

Grid Software User Guide Version 1.0 – April 2016







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1 About This User Guide

This user guide contains two main sections:

- Section 3 Procedural ("How to") information on common tasks you may want to perform with PLUS Grid. Where appropriate the procedures reference additional information in the reference material section.
- Section 4 Reference material for each of the screens in the main PLUS Grid modules (PLUS Manage, PLUS Hardware, and PLUS Server Client).

1.1 Terminology

The following terminology is used in the user guide content:

- Operator / DB User = Person using PLUS Grid software
- User = Person whose access is managed by the PLUS software/system
- Installer = Person who installs the physical IPPro[®] hardware
- Customer = Company who is benefiting from the IPPro[®] System





2 General Information

2.1 Navigating Interfaces

PLUS Grid PC software is designed with common layout characteristics and features. A sample interface is shown below, and the corresponding table below describes the numbered features.

	PLUS	ma	2 anage		Administrator	Help Sign
6 User Group Deta	uils Full Access Group	7				
Home	General	-	Door Group		Timezone	
- Live System	Access Rights	1	All Doors	10	24 Hours	
Managa	Options Default Card	2	No Doors	-	No Timezone	-
y manage	Anti-nasshack	3	No Doors) -	No Timezone	w l
Users	Area Limits	4	No Doors		No Timezone	
Luser Groups 8	View Doors	5	No Doors	-	No Timezone	w l
	T&A Report	6	No Doors		No Timezone	
Door Groups	PLUSontime	7	No Doors		No Timezone	-
Doors		8	No Doors	-	 No Timezone 	
Timezones					Delete	Save
Holidays					Delete	Guve
DB Users	V	-		_		

The following table describes each of the navigation features on the screen.

No	Feature	Description
1	Back and Next buttons	These allow you to navigate backwards and forwards between screens already visited.
2	Product name	This shows you which PLUS module you are currently using.
3	User	This shows which operator (DB User) is currently logged in to the software.





No	Feature	Description
4	Help	This link opens help menus, where you can get more information related to the tasks you are performing.
5	Sign Out	This lets you log out of the current DB user.
6	Screen name	This label gives the name of the screen you are currently on.
		The <i>Home</i> screen shows quick links to popular tasks.
7	Sub-screen name	The sub-screen label reflects a specific tab you are on, or an item's name when adding/editing an item, such as a user.
8	Menus	The menus allow you to navigate to particular screens in the software.
		If a menu has sub-options, when you click the menu name a list of the options appears below it in the menus area and you should click the option you want; if a menu has no sub-options, the screen for the menu item appears in the main area of the screen.
9	Main Screen	This is where the data/settings corresponding to the selected menu item/option are shown.
10	Hyperlinks	If an item in search results is displayed in BLUE text, it is a hyperlink. Click it to view more detailed information on that item.





	Νο	Feature	Description
11		Page forward Page back	Click to move backwards and forwards through a series of records.

2.2 Login Screen

To log in to your selected PLUS Grid software module, launch the module and on the login screen enter your username and password. By default, Administrator is the only user with a null password.

If there is a problem connecting to the server, an error with details of the problem is displayed.

Click **Grid Server Settings** to access a screen where you can edit/test your connection to the server.

2.3 Grid Server Settings

The following table describes the data that appears on the *Grid Server Settings* screen.

Field Name	Description
Host Name or IP	The name or IP address of the PLUS Grid server. This will be the name of the computer you are using
Port	The communication port for the PLUS Grid server.
Test Connection	Click to test the connection to the specified host and port. An on-screen message indicates whether the connection succeeded. If you edited the server details and want to save the changes, click Save . Otherwise, click Cancel to return to the login screen.





2.4 Exporting

On a number of screens, you will see an **Export** option in the top right-hand corner (**Export**). In this case, the data displayed on the screen may be exported to a CSV (Comma Separated Value) file. The separator character used in the exported file is set on the <u>Settings - General tab</u> (see page 129).

Click **Export**, and in the dialog that appears specify the required file name and location, then click **Save**. The file may be opened later in a text editor, or a spreadsheet software such as Microsoft Excel.

2.5 Printing

On a number of screens, you will see a **Print** option in the top right-hand corner (**Print**). In this case, the data displayed on the screen may be printed using any configured printing device on your local machine.

Click **Print** to open the *Print* dialog for your computer, from which you can select your preferred printer.

2.6 General Tips on Searching

• When you enter text in a search field, the system searches for both full and partial matches.

For example, consider searching for a user record using the search term "Ann" in the Name field. A user's name is made up of their first name and last name, and if the specified term appears anywhere in either of these, it is considered a match. So searching for "Ann" might show results for "Ann-Marie Boyle", "Joanne Murphy", and "Joseph Hann".

- To sort search results alphabetically by the values in certain columns, click the column title. The first click sorts the information in alphabetic order (A to Z) or numeric order (0-n). Click a second time to sort in reverse-alphabetic order (Z to A) or reverse-numeric order (n-0). Search results can only be sorted by the values in certain columns.
- When sorting search results, if multiple pages of search results are returned, sorting all results returned is limited to user listings only, and only applies for the user name, group number, and user number columns. On other pages and for other values on user listings screens, only the results shown on the current page of search results are sorted.





3 How To

- 3.1 Managing Users
- 3.1.1 Add a User

A user is a person who holds an access control credential (card, fob, PIN, biometric, etc.) and whose access is managed through the PLUS software.

You can add and edit users through PLUS Manage.

When you add a user, you can specify profile details such as their name, user group, validity period, PIN numbers (if applicable) and card details.

You can:

- <u>Create a permanent user (see page 12)</u>
- <u>Create a temporary user (see page 13)</u> Fewer details are specified for temporary users, making setup quicker.
- <u>Create a new user based on an existing user (see page 14)</u>

You can specify a validity period for both permanent and temporary users - this allows you to limit the date/time range during which they will have access rights. Once a user is registered on the system, you can reset their validity period at any time to allow/disallow access without having to delete and recreate the user each time they need access.

A user's basic access rights are inherited from the User Group to which they are assigned.





Adding a permanent user

1. In PLUS Manage, click **Add User** on the *Home* screen, or click **Manage** - **Users**, then click **Add User** in the top right corner of the *Users* screen.

The User Details screen appears.

	mana	ge				All 2 doors conne
User De	etails					
		General	User Number:	_		
		Details	First Name:	1		
Manage		Recent Events	Last Name:	2		
		View Doors	User Group:		-	
		PLUSontime	Enabled			
	Lipland Photo		Cards and PIN			
	Cours Obete		Batch Card:		.	
	Save Photo		One-To-One Card	Not Set		
Gilens	Clear Photo		Card 3:	Not Set		=
	User Number: 0		Card 4	Not Set		
	User Name:		Card 5	Not Set		
	Status: Enabled		PIN:		×	Random
	Dulut Court		Validity Period			
	Print Card		From:	04/18/2016	00 : 00 🍧	
	Manual Login Manual Logout		To:	04/18/2016	00 : 00	

- On the User Details screen, enter information about the new user. For more information on the tabs and fields available on this screen, see User Details Screen (see page 75).
- 3. Click **Save** to create a record for a permanent user based on the supplied information.





Adding a temporary user

1. In PLUS Manage, click **Manage - Users**, then click **Add Visitor** in the top right corner of the *Users* screen.

The Visitor Details screen appears.

↓ Diamage		ge		Adı	ministrato	r Help All 2 doo	Sign Ou
Visitor Det	ails						
A Home	A	General	First Name:	1			•
Live System			Last Name:				
📝 Manage			User Group:	Full Access	Group	- -	View
& Users			Enabled				
User Groups			Cards and PIN				
Door Croups			One-To-One Card	I: Not Set			=
Door Groups	Upload Photo		PIN:			×	Random
Doors	Clear Photo		Validity Period				
(Timezones	User Name:		From:	04/18/2016	15 00	: 00 😂	
Holidays	User Group: Full Access Group		To:	04/18/2016	15 00	: 00 🚔	
DB Users	Status. Enabled					Save	
Elevator Manager	-						
Version: 1 10 1 1	Add Visitor						-

- 2. On the *Visitor Details* screen, enter information about the new temporary user. For more information on the tabs and fields available on this screen, see Visitor Details Screen
- 3. Click the **General** tab, then click **Save** to create a record for a temporary user based on the supplied information.





Copying an existing user

- In PLUS Manage, click Manage Users, then using the Search/Advanced Search options on the Users screen, find and select the existing user you want to base your new user(s) on. For more information on the search options on the Users screen, see Users Screen (see page 72).
- 2. On the User Details screen, click Copy.

PLUS Manage PLUS $\mathbf{4}$ Administrator Help Sign Out All 2 doors connected Copy Users Copy From User 1 - Robert Lovato Copy To: Start 1 \$ End 1 -📝 Manage Items To Copy: LUSers Name User Groups Group Options Door Groups Validation Start Validation End Doors User Field 1 Timezones Holidays User Field 3 User Field 4 DB Users User Field 5 User Field 6 Elevator Manager User Field 7 Inputs User Field 8 User Field 9 Outputs Enable New Users Visitor Cards Version: 1.10.1.1 Apply

The *Copy Users* screen appears.

- Specify the start and end range of users you want to copy selected details to. If the users already exist, their current details will be overwritten. If they do not already exist, users with the copied details will be created. <u>NOTE: You should verify whether or not user IDs in the specified range are already in use before you copy user details.</u>
- 4. Select the check box for each property from the selected user you wish to copy to the specified existing/new users.
- 5. To enable any new users created by the operation, select the *Enable New Users* check box.
- 6. To assign visitor cards for any new users created by the operation, select the *Visitor Cards* check box.





7. Click **Apply**. The selected details are copied to the specified new/existing user records.

If you created new users, you may want to edit additional properties for them on the *User Details* screen now.

Notes:

- *First Name* and *User Group* are mandatory fields for permanent and temporary users. At a minimum, you must specify values for these before you can save a new user record.
- The user's PIN will default to the PIN of their assigned User Group unless you specify an alternative PIN.
- The *User Number* and field is automatically populated with the next available numbers.

3.1.2 Check Which Doors a User Can Access

You can select any system user in PLUS Manage and view a list of all the doors they have been granted access to.

Checking which doors a user can access

Screen (see page 72).

- In PLUS Manage, click List Users on the Home screen, or click Manage -Users, then using the Search/Advanced Search options on the Users screen, find and select the user whose access rights you want to check by clicking on the user Name.
 For more information on the search options on the Users screen, see Users
- 2. Click the **View Doors** tab on the *User Details* screen.



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	O PLUS manage			Adi	ministrator Help Sign C All 2 doors connect
User Details	Robert Lovato				
Home ☐ Live System ☐ Cards ☐ Tools ☐ Reports ↓ Reports ↓ Settings Clients	Upload Photo Save Photo Clear Photo Clear Photo User Number: 1 User Group: Full Access Group Status: Enabled Print Card Manual Login Manual Login	General Details Options Recent Events View Doors PLUSontime	Door 1 Door 2	Timezone 24 hours 24 hours	Source User Group User Group
					Delete Sav

3. The panel on the right lists all doors the user has access to, and the time zone during which their access rights are valid.

Note: The user gets access to all doors granted through their user group's access rights.

3.1.3 Set Access Rights for an Individual User

In PLUS Grid, all users must be a member of a user group, and they inherit their basic access rights from that user group. In PLUS Manage, this can be done by using the links on **Manage – Home**. The recommended order would be (1) Timezone, (2) Door Group, (3) User Group, (4) User.

For information on creating time zones, see <u>Add a Time Zone</u> (see page 65).

For information on creating door groups, see <u>Add a Door Group (see page 93)</u>.

For more information on creating user groups, see Add a User Group (see page 20).

For more information on creating users, see <u>Add a User</u> (see page 11).

For more information on specifying group access rights, see <u>Set Group Access</u> <u>Rights</u> (see page 22).





3.1.4 Extend User Validity

You may optionally assign a validity period to users.

- If you do not specify a validity period, the user is always valid.
- If a *From* validity date and time is specified, this is the time from which the user is allowed access. Access is denied to the user before this time.
- If a *To* validity date and time is specified, this is the last time that access will be allowed to the user. After this time, access will be denied.
- If no time is specified the assumed time is midnight on the specified date.

PLUS Manage allows you to:

- Extend the validity of a single user (see page 17)
- Extend the validity of multiple users (see page 18)

Extending the validity of a single user

- In PLUS Manage, click Manage Users, then using the Search/Advanced Search options on the Users screen search for the user for which you want to extend validity.
 For more information on the search options on the Users screen, see Users Screen (see page 72).
- 2. Click the user's name in the search results area to view details of that user on the *User Details* screen.





	PRO PL	US				Admin	istrator Al	Help Sign
User Detail	S Robert Lovato		General Details	User Number:	1			
Live System		Feb.	Options	First Name:	Robert			*
🖉 Manage			Recent Events	Last Name:	Lovato			
👃 Users			PLUSontime	User Group:	Full Access	Group		*
8 User Groups				Enabled				
Door Groups	Upl	oad Photo		Cards and PIN			1-	
Doors	Sa	we Photo		One-To-One Card	1127795		1.4	=
Timezones	CI	ear Photo		Card 3:	Not Set			E .
Holidays	User Number:	1		Card 4:	Not Set			
1 Politays	User Name:	Robert Lovato		Card 5:	Not Set			
DB Users	User Group:	Full Access Group		PIN:	*****		×	Random
Elevator Manager	Status:	Enabled		Validity Period				
Inputs	P	rint Card		From:	04/11/2016	15 00	: 00 🚞	
Outputs	Ma	nual Login		To:	04/19/2016	15 00	: 00 🖨	
Cards	Man	ual Logout						A.
Tools								Delete Sa

- 3. At the bottom of the **General** tab, under *Validity Period*, ensure the *To* check box is selected, then enter a new *To* date and time for the user's validity.
- 4. Click Save.

Extending the validity of multiple users

1. In PLUS Manage, click **Manage - Users**, then using the *Search*/*Advanced Search* options on the *Users* screen search for the users for which you want to extend validity.

For more information on the search options on the *Users* screen, see <u>Users</u> <u>Screen</u> (see page 72).

OR

In PLUS Manage, click **Reports - Validate Users**, then using the *Search/Advanced Search* options on the *Validate Users* screen search for the users for which you want to extend validity.

For more information on the search options on the *Validate Users* screen, see <u>Validate Users Screen</u> (see page 126).

2. Select the check box for each user whose validity you want to extend.





	PILI	S				Adm	inistrator	Help	Sign C	Dur
		manage					All	2 doors c	onnect	teo
Validate Users	Search	X Advance	rd 余					Print	Ехро	ort
Home	User Group	<all groups=""></all>			-					
Live System	Expired		O Inactive	2 Months		-				
🖉 Manage	Expire By	Today 😽 😽	Since:	Select a date	15	÷				
Cards	Expire By Date	04/19/2016 15	All Users			Cancel				
Tools	No Name	-	Group		Enabled	Valid From	Valid To		Valid	
Validate Lisers	1 Rober	t Lovato Smith	Full Acces	s Group s Group	~	04-11-2016 00:00:00			Yes	
Liser List										
User Tracking										
Audit Trail										
Event Analysis										
Time and Attendance										
Settings										
	4						Page 1 of 1	14.4 1) (2 us	se
		1	1				0	anato and an	A second	-

3. Click **Set Validity** on the *Users* screen, or **Change Validity Period** on the *Validate Users* screen.

			age		Administrator Help Sign C All 2 doors connect
Change Validit	ty				
Home	From:	04/19/2016	00 : 00		
Live System	П То:	04/19/2016	15 23 : 59	Save	
∦ Manage ≩ Cards Tools	Set for Users: Robert Lovato John Smith				
Reports					
List User List					
User Tracking					
Event Analysis					
Time and Attendance	4				
Settings Clients					

- 4. Select the *To* check box, then enter a new *To* date and time for the users' validity.
- 5. Click Save.





3.1.5 Add a User Group

User groups are used to define common settings and access rights for a set of users.

When you create a user profile, you select one user group to which the user belongs, and their access rights are those assigned to that group. If the group's rights change, then so do those of all members of the group.

PLUS Manage allows you to create and edit user groups.

You can:

- <u>Create a user group manually through the User Group Details screen (see page 20)</u>
- Create a user group using the User Group Wizard button(see page 21)

Add a user group through the User Group Details screen

1. In PLUS Manage, click **Manage - User Groups**, then click **Add User Group** in the top right corner of the *User Groups* screen.

The User Group Details screen a	appears.
---------------------------------	----------

PLUS Manage			
↓ (i)	PLUS	manage	Administrator Help Sign Ou All 2 doors connecte
User Group Detai	ls		
🏠 Home	General	User Group Number: 2	
Live System	Options	User Group Name:	*
📝 Manage	Default Card	Elevator Group	
Users	Anti-passback	Elevator Group.	
User Groups	Area Limits View Doors	PIN:	X Random
Door Groups	T&A Report	Enabled	
Doors	PLUSontime		Delete Save
Timezones			
31 Holidays			
B Users			
Elevator Manager			
Disputs			
Outputs			
Cards	*		
Version: 1.10.1.1	Add User Group		(m m





- On the User Group Details screen, enter information about the new user group.
 For more information on the tabs and fields available on this screen, see User Group Details Screen (see page 86).
- 3. Click **Save** to create a record for the user group.

Add a user group using the User Group Wizard

1. In PLUS Manage, click **Add User Group** on the *Home* screen to open the *Add User Group Wizard* which walks you through adding a user group step by step.

PLUS Manage		
P		Administrator Help Sign Out All 2 doors connected
Add User Group	Step 1	
Step 1: User Group Details Step 2: Access Rights Step 3: User Group Options . Step 4: Results	Please specify the User Group details: User Group Name:	
Version: 1.10.1.1	Cancel	Next

2. Follow the wizard's onscreen instructions to add a new user group, clicking **Next** in the bottom right of the screen after each step, and **Finish** at the end.





3.1.6 Set Group Access Rights

In PLUS Grid, all users must be a member of a user group, and PLUS Manage allows you to set up to eight door group/time zone combinations to specify access rights for all users assigned to a user group.

For more information on creating user groups, see Add a User Group (see page 20).

For more information on creating users, see <u>Add a User (see page 11)</u>.

For information on creating time zones, see <u>Add a Time Zone</u> (see page 65).

Setting user group access rights

- 1. In PLUS Manage, click **Manage User Groups**, then search for the user group for which you want to set access rights.
- 2. Click the user group's name in the search results area to view details of that group on the *User Group Details* screen.
- 3. Click the Access Rights tab on the User Group Details screen.

PLUS Manage							
) m	anage			Admir	histrator Help Sign O All 2 doors connecte
User Group Details	Staff						
祫 Home 📕	General		Door Group	-	Timezone		
B- Live System	Access Rights	1	All Doors		24 Hours		
	Options Default Card	2	No Doors		No Timezone	-	
g Manage	Anti-nasshack	3	No Doors		No Timezone	v	
Users	Area Limits	4	No Doors	*	No Timezone	Ŧ	
User Groups	View Doors	5	No Doors	-	No Timezone	T	
Door Groups	T&A Report	6	No Doors	*	No Timezone	_	
	PLUSontime	7	No Doors		No Timezone	T	
Doors		8	No Doors	V	No Timezone	×	
G Timezones					Delete	Save	
Holidays							
DB Users							
Elevator Manager							
Version: 1.10.1.1	Add User Group						(=

4. Specify up to eight door group/time zone combinations using the drop-down lists provided.

For each door group/time zone combination, users in the current user group will have access to doors in the selected door group during the period specified by the corresponding time zone.





5. Click **Save** when you have specified all door group/time zone combinations required.

3.1.7 Add A Batch Cards

PLUS Manage allows you to create and assign a batch of credential cards for new system users. Users are created with basic details only, and you should edit their records to complete their profile information after creating the batch.

Adding a sequential batch of cards

1. In PLUS Manage, click **Cards - Extra Cards**. The *Extra Cards* screen appears.

PLUS Manage		Administrator Help Sign Our
Extra Cards		
Home Live System Manage Cards Batch Cards Extra Cards	One-To-One Card Card 3 Card 4 Card 5 First Card Last Card First User	Find User
Order Cards Report Lost Card Editor	Default User Group	Add Cards
Version: 1.10.1.1		

- 2. Each user may be assigned two (2) cards. Select *One-To-One Card* if you want the batch to be added as the first credential, or *Card 3* if you want the batch to be added as the second credential.
- 3. In the *First Card* and *Last Card* fields, enter the numbers of the first and last cards in the sequential batch you want to create .
- 4. In the *First User* field, enter the number of the first user that the batch cards will be assigned to. Cards will be assigned to users sequentially by user number. If the user already exists, the card is assigned to them; if the user doesn't exist, they are created. Clicking (**Find User**) will find the first available user.





- 5. Select the *Default User Group* for any new users created by this process.
- 6. Click **Add Cards**. NOTE: You will get an error if you attempt to add a card number that already exists in the database. The *Extra Cards* screen shows a summary of new users that will be created by this process.

	PRO PL		i.		Administrat	or Help Sign All 2 doors conne
Extra Card	s					
Home	Cards were c	reated and assigned succ	essfully. The following users will	be created/modified when you I	hit Save for this operation. Hit	Cancel to undo the
	Number	First Name	Last Name	Group	Enabled	One-To-One Card
	10	User 10		Staff	-	19050100
Cards	11	User 11		Staff	*	19050101
Batch Carda	12	User 12		Staff	v	19050102
Baich Carus	13	User 13		Staff	-	19050103
💽 Extra Cards	14	User 14		Staff		19050104
Order Cards	15	User 15		Staff		19050105
Samuel and	16	User 16		Staff	-	19050106
Report Lost	17	User 17		Staff		19050107
Card Editor	18	User 18		Staff	-	19050108
Tools	19	User 19		Staff	v	19050109
Banorte	and the second second					

7. Make any required edits to each new user's *First Name*, *Last Name*, *Group* and *Enabled* status on this screen, then click **Save**.





3.2 Monitoring the System Using PLUS Manage

3.2.1 Monitor User Activity

PLUS Manage allows you to monitor users' activity.

In PLUS Manage, on the *Live System* screen, the *Recent Events* area includes details of the time, location and summary information for events on the system, including when users access doors, or are denied access. Other events may also be listed, including alarms, system events, controllers and doors going offline, unknown cards, and exit granted/denied. For an event involving a user, such as an *Access Granted* or *Access Denied* event, click the user's name in the *Details* column to view the user's profile on the *User Details* screen. Click the **Back** icon (

	PRO FLUS	manage			Administrator Help	Sign
						Annie
Live Syste	em View Options 🛠 Show	Enabled doors				
	Show Doors: Enabled					
Live System	Door Group: All Door					
	Doors	Recent Events			Pause Print	E
	Name +	Time	Event	Location	Details	
	Door 1	J 04-19-2016 11 58:27	Normalise Command Issued	IPPRO-05091	Administrator	
	Door 2	04-19-2016 11 58:27	Door Normalised	Door 2		
		04-19-2016 11:58:27	Door Normalised	Door 1	122.000	
		04-19-2016 11:58:20	Lock Command Issued	IPPRO-05091	Administrator	
Cilents		04-19-2016 11-58:20	Door Locked	Door 2		
		04-19-2016 11-58:20	Door Locked	Door 1		
		04-19-2016 11:18:08	Exit Granted	Door 1	Robert Lovato	
		04-19-2016 11:18:06	Access Granted	Door 2	Robert Lovato	
		04-19-2016 10:29:47	Access Granted	Door 1	Robert Lovato	
		04-19-2016 10 28:41	Card Invalid (Expired)	Door 1	Robert Lovato	
		04-19-2016 08:17:28	Device Online	IPPRO-05091		
		04-19-2016 08:17:27	Server Started			
		0 04-10-2016 17:53:44	Door Passed	Door 2		
		Alarms			Pause Print	ľ
		Password	Acknov	viedge		
	Internet Internet In	many I standardinal				



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In PLUS Manage, on the *Manage-Users* screen, you can view the last known location of every user on the system. The *Search/Advanced Search* facility allows you to filter for a sub-set of users only.

 Puus Manage ↓ ↓ 					Administrator Help Sign O
Use	rs Search Names P Advance	ed 🛠		Print	Export Add User Add Visito
A Home	User Number	Group	(*	
Live System	First Name	Card N	lumber		
💱 Manage	Last Name	State	1	All	
8 Users		contai	15	1	Search
User Groups			10.01		
Door Groups	No Name	Enabled	Valid	Group Full Access Group	1127795
			2	Staff	18360402
Doors	10 User 10		1	Staff	19050100
	11 User 11		1	Staff	19050101
Timezones	12 User 12		1	Staff	19050102
0-0	13 User 13		~	Staff	19050103
31 Holidays	14 User 14		~	Staff	19050104
DR Lleave	15 User 15		~	Staff	19050105
B Users	16 User 16		~	Staff	19050106
Elevator Manager	17 User 17		~	Staff	19050107
	18 User 18		~	Staff	19050108
Inputs	19 User 19		~	Staff	19050109
Outputs					
Cards					
Tools	×	_			
	Y		_		Page 1 of 1 (12 use
Version: 1 10 1 1	Delete Liser Enable Disable	Set Validity Set C	roup		Print Card

Click the name of any user on this screen to view the *User Details* screen for that user, which includes a summary of their Recent Events. For more information, see <u>User Details Screen</u> (see page 75).

 In PLUS Manage, the Advanced search options on the Reports - Event Analysis screen allow to you filter for events involving a specific user, or all users in a particular user group. You can further filter for specific event types, events at a particular door or at doors in a particular door group, or events in a specific time frame. For more information, see <u>Event Analysis Screen</u> (see page 124).



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		nage		A	dministrator	Help 2 doors	Sign C
Event Analys	sis				Refresh	Print	Expo
Home	Simple Advanced	Time	Event	Location	Detai	s	-
- Hender	Evente	🙀 🖉 04-19-2016 14:42:55	Device Offline	IPPRO-05091			
	Events	04-19-2016 14:24:17	Door Normalised	Door 1			
1 2	Access/Exit granted	04-19-2016 14:24:17	Access Granted	Door 1	Rober	t Lovato	
/ manage	Access/Exit denied	04-19-2016 14:24:07	Door Unlocked	Door 1			
Cards	Alarm Events	04-19-2016 14:24:07	Access Granted	Door 1	Rober	t Lovato	
	Control Events	04-19-2016 12:17:10	Door Normalised	Door 1			
Tools	Other Events	04-19-2016 12:16:59	Door Locked	Door 1			
	Users	04-19-2016 11:58:27	Door Normalised	Door 2			
Reports	All	04-19-2016 11:58:27	Door Normalised	Door 1			
	OSingle	04-19-2016 11:58:20	Door Locked	Door 2			
Valuate Osers	O Belonging to User Group	04-19-2016 11:58:20	Door Locked	Door 1	100		
An Llear Liet		04-19-2016 11:18:08	Exit Granted	Door 1	Rober	t Lovato	
User List	Doors	04-19-2016 11:18:06	Access Granted	Door 2	Rober	t Lovato	
Card Expiry	O All	04-19-2016 10:29:47	Access Granted	Door 1	Rober	t Lovato	
	O Single	04-19-2016 10:28:41	Card Invalid (Expired)	Door 1	Rober	t Lovato	
User Tracking	O Belonging to Door Group						
🔛 Audit Trail	Time						
Event Analysis	O Yesterday						
Time and Attendance	O This Week O Last Week						
Settings	O This Month						
	O Spot Check	-					
Clients	OCustom						
	- · ··	× .					

3.2.2 Monitor Door Activity

PLUS Manage allows you to monitor activity at a door group, or at a specific door.

 In PLUS Manage, the Advanced search options on the Reports - Event Analysis screen allow to you filter for events at a specific door, or for all doors in a particular group. You can further filter for specific event types, events for a particular user or users in a particular user group, or events in a specific time frame. For more information, see Event Analysis Screen (see page 124).





3.2.3 Generate a List of All Users on Site (Muster Report)

A Muster Report lists all users currently on site. A user is considered to be on site if they entered through a perimeter door, but have not been detected exiting through a perimeter door. If multiple users enter/exit but only one user in the group authenticates at the door, users who did not use their cards may be incorrectly assumed to be present/absent.

Which doors are considered perimeter doors for the site is set in PLUS Manage, by selecting the door group containing those doors from the *Perimeter Doors* drop-down list on the **Settings - Doors** tab. For more information, see <u>Settings - Doors Tab</u> (see page 130).

Note:

 Muster and absentee reports are only valid if your physical system is configured appropriately. You need access control points at each entrance and exit to your site, and each user must use their cards when entering & exiting the site.





Generating a Muster Report

1. In PLUS Manage, click Reports - User Tracking.

↓ (i	PLUS	manage		Ad	dministrator All 2	Help doors c	Sign O
User Track	king				Refresh	Print	Export
🏫 Home	Simple Advanc	ed Time	Event	Location	L	Jser Name	
Live System	Report		Access Granted	00011	1	COURT LOW	ato
🧗 Manage	Absentee List						
Cards	Time						
Tools	OCustom						
Reports	Constant						
of Validate Users							
Angua User List							
Card Expiry							
User Tracking							
Audit Trail							
Event Analysis	Canada	4		_			
	- Generate				Page 1 of 1	144) (1 u
Version: 1 10.1.1							

- 2. At *Report*, select *Muster*.
- 3. At *Time*, select whether you want the report for *Today* or for a *Custom* period. If you select a *Custom* period, additional fields appear where you can specify a date/time range.
- 4. Click Generate.

You can **Print** or **Export** your report using the links at the top right of the *User Tracking* screen.

For more information on the *Simple*/*Advanced* search options on the *User Tracking* screen, see <u>User Tracking Screen</u> (see page 120).





3.2.4 Send a Command to a Door

In PLUS Manage, on the *Live System* screen, the *Doors* area shows the status of all doors on the system. Hover over the icon for any door to see its status in a popup. You can send a command to a door by selecting the door, then clicking **Lock**, **Unlock**, **Pass** or **Normalize** at the bottom of the screen.

Note: You must have the right to command doors before you can use these actions.

PLUS Manage							
	RO P	LUS	manar	19		Administr	rator Help Sign Ou
			e manag				All 2 doors connecte
Live System	View Opt	ions ¥ Show	Enabled c	loors			
Abome	Doors		Re	cent Events			Pause Print Expo
n Live System		Name 🛎	1	Time	Event	Location	De
		Door 1		04-19-2016 15:15:55	Alarm Event Acknowledged	IPPRO-05091	4/1
🖉 Manage		Door 2	1	04-19-2016 14:44:31	Device Online	IPPRO-05091	
Corde	-		14	04-19-2016 14:42:55	Device Offline	IPPRO-05091	
				04-19-2016 14:24:17	Door Normalised	Door 1	
Tools				04-19-2016 14:24:17	Access Granted	Door 1	R
				04-19-2016 14:24:07	Door Unlocked	Door 1	
Reports				04-19-2016 14:24:07	Access Granted	Door 1	Ro
Settings				04-19-2016 12:17:10	Door Normalised	Door 1)
Clients			Ala	irms			Pause Print Expo
				Time	Event	Location	
			Pas	sword	Ackno	wledge	
	Lock	Unlock	Pass	Normalise			
Version: 1.10.1.1	1						
Version 1.10.1.1							





3.3 Configuring the Hardware

3.3.1 Add a Controller

PLUS Hardware allows you to configure controller properties, and to specify which doors are connected to that controller.

You can:

- Add one controller manually through the Add Controller screen (Recommended) (see page 31)
- Add one or more controllers at once using the Add Controller Wizard (see page 33)

Adding a controller manually

1. In PLUS Hardware, click **Advanced Setup – Controllers/Hub Groups**, and click **Add Controller** in the top right corner of the *Controllers* screen.

US Hardware		2			
		hardware		Administrator Help	Sign o
Live System	General	Controller Name:	Controller 1		
Quick Setup	Communications	Controller Number:	1		
Advanced Setup	Output Options	Controller Type:	IPDCE		
Controllers/Hub Groups	Operations	Enabled		1.*	
Hub Groups	Capabilities	Enabled			
Doors	Firmware				
Card Configuration					
Tools					
Reports					
Settings					
Clients					
Version: 110.1.1 - Lite	Add Controller Ad	ld Hub Group		Delete	Sav

The Controller Details screen appears.





 Specify details for the new controller. For more information on the tabs and fields available on this screen, see <u>Controller Details Screen</u> (see page 141).

At a minimum, you must specify:

- On the **General** tab:
 - A unique Controller Number
 - The *Enabled* status
 - The Controller Type
- On the **Communications** tab:
 - The connection type (direct), and connection details.
- On the **Doors** tab:
 - If a door is to be added to the system, select the *In DB* check box and ensure the door is *Enabled*.
- 3. Click **Save** to add the new controller to the system.





Adding a controller using the Add Controller Wizard

In PLUS Hardware, click **Quick Setup - Add Controller**, or click **Add Controller** on the *Live System* screen to open the *Add Controller Wizard* which walks you through adding one or more new controllers step by step.

Step 1: Set Number of Controllers. Specify the Number of Controllers you want to install.
 Click Next to continue

Click Next to continue.

JS Hardware		
		Administrator Help Sign or
Add Controller	Step 1	
Step 1: Set Number of Controllers	How many controllers do you want to install?	
Step 2: Controller Details Step 3: Communication Details Step 4: Set Doors Step 5: Downloading Step 6: Validation Step 7: Finish	Number of Controllers: 1	
Version: 1.10.1.1 - Lite	Cancel	Back

 Step 2: Controller Details. Specify the Controller Name, Controller Number, and Controller Type. To enable the controller once added, select the Enabled check box.

Click **Next** to continue.

Add Controller	Step 2			
Step 1: Set Number of Controllers	Please specify the con	troller details:		
Step 2: Controller Details	Controller Name:	Controller 1		
Step 3: Communication Details Step 4: Set Doors	Controller Number:	1	₩	
Step 5: Downloading	Controller Type:	IPDCE		
Step 6: Validation Step 7: Finish	✓ Enabled	•		



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Step 3: Communication Details. Specify how the controller is connected to the system. The IPDCE controller will always use *Direct to PLUS Grid.* Enter the IP address of the controller to be added, and select the World Time Zone.

You can test your communication settings by clicking **Test Connection**.

A green checkmark will appear if communication is successful.

		hardware	Admini	strator Help Sign (
Add Controller	Step 3			
Step 1: Set Number of Controllers	Please specify the contr	oller communication details:		
Step 2: Controller Details	Communications Mas	ter		
Step 3: Communication Details	Direct to PLUS Grid			
Step 4: Set Doors Step 5: Downloading	O Hubbed to Controller			
Step 6: Validation	Connection Type:	TCP/IP	-	
Step 7: Finish	IP address:	192.168.100.94		
	Port:	10001		
	World Time Zone	Greenwich Mean Time		
		Test Connection	~	

Click **Next** to continue.



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Step 4: Set Doors. For each additional door station (IPDSE) connected to the controller, select whether it is enabled and whether its details should be stored in the database. Address 1 is always the IPDCE controller. Click **Next** to continue.

Note: If you selected to add more than one controller, the wizard returns to *Step 2: Controller Details* screen for the next controller at this point, unless you have already specified all controllers, in which case it proceeds to *Step 5: Downloading* screen.

	PL	US		Administrator	Help Sign
Add Controller	Step 4				
Step 1: Set Number of Controllers	Please sele	ct and name the doors to be installed:	_		
Step 2: Controller Details	Address	Name	Enable	In DB	
Step 3: Communication Details	1	Door 1 - 1			2
Step 4: Set Doors	2	Door 1 - 2	~		
Step 5: Downloading	3	Door 1 - 3	~		
Step 6: Validation	4	Door 1 - 4	~		
Step 7. Finish	5	Door 1 - 5	~		
	6	Door 1 - 6	~		
	7	Door 1 - 7	~		
	8	Door 1 - 8	~		
	0	Door 1 - 9	./		





Step 5: Downloading. The progress bar and status area below the bar indicate how the download is progressing. When the download is complete, click **Next** to continue.

US Hardware		
		Administrator Help Sign o
Add Controller	Step 5	
Step 1: Set Number of Controllers Step 2: Controller Details Step 3: Communication Details Step 4: Set Doors Step 5: Downloading Step 6: Validation Step 7: Finish	Please wait while the changes will be downloaded to hardware. Controller added to the database successfully. Controller 1 added to the database successfully. Adding door 1 on controller 1 has succeeded.	
Version: 1.10.1.1 - Lite	Live System Retry	Ne

Step 6: Validation. Validate the installed doors by selecting the check box for each door and clicking Lock, Unlock, Pass or Normal to issue commands to the selected doors, confirming whether they are connected and responding to commands. The check boxes will only be available if the controller was enabled in Step 2.

Click **Next** to continue.

• Step 7: Finish. A report on the results of the *Add Controller* wizard will appear. Click Finish.

3.3.2 Enable/Disable Controllers

PLUS Hardware allows you to enable/disable controllers individually or in bulk.

Note: Disabling a controller is a way to disconnect that controller from the software, but the controller continues to operate independently unless physically disconnected. Enabling a controller connects it to the system software, but it must be physically connected and accessible on the TCP/IP network.




Enabling/disabling individual controllers

- In PLUS Hardware, click Advanced Setup Controllers, then use the Search/Advanced Search options on the Controllers screen to find the controller you want to enable/disable. For more information on the search options on the Controllers screen, see <u>Controllers Screen</u> (see page 139).
- 2. Click on the blue controller name to view its details on the *Controller Details* screen.

		hardware		Administrator	Help Sign
Controller Details	1 - Controller 1				(
Live System Quick Setup Advanced Setup Controllers/Hub Gro Hub Groups Doors Card Configuration	General Communications Doors Output Options Operations Capabilities Firmware	Controller Name: Controller Number: Controller Type: Enabled	Controller 1 1 IPDCE		¥
Reports	Add Controller	d Hub Group			Delete

- 3. On the **General** tab of the *Controller Details* screen, select the *Enabled* check box to enable the controller, or de-select it to disable the controller.
- 4. Click Save.

Enabling/Disabling Multiple Controllers

- In PLUS Hardware, click Advanced Setup Controllers, then use the Search/Advanced Search options on the Controllers screen to find the controllers you want to enable/disable. For more information on the search options on the Controllers screen, see <u>Controllers Screen</u> (see page 139).
- 2. In the search results, select the check box for each controller you want to enable/disable.





LUS Hardware								9 23
	o <mark>PI</mark>		dware			Administrator	Help Sig	gn ou
Controllers		۶	Advanced 🗸	Print	Export	Add Controller	Add Hub G	roup
Live System	No.	Controller Name	Controller type	Firmware	Comms	MAC addres	s Status	Do
Church Sature	1 250	Controller 1	IPDCE	-	192.168	100.94 -	13.52	10
Controllers/Hub Gro Hub Groups Hub Groups Card Configuration								
Tools	-	100						

3. Using the controls on the bottom of the screen, Click **Enable** to enable all selected controllers, or click **Disable** to disable all selected controllers.

3.3.3 Add a Door

Doors are physical gateways linked to controllers, such as pedestrian doors, gates, or turnstiles.

PLUS Hardware allows you to add doors to the system and to configure basic properties for their operation.

You can:

- Add one door manually through the Add Door screen (see page 39)
- Add one or more doors at once using the Add Door Wizard (see page 40)





Adding a door manually

1. In PLUS Hardware, click **Advanced Setup - Doors**, and click **Add Door** in the top right corner of the *Doors* screen.

The Door Details screen appears.

PLUS Hardware				3 x
		Shardware	Administrator Help Sig	gn ou
Door Details				
Live System	General	-		
Quick Setup	Timers	Door Name:		
Advanced Setup	Operations	Controller:		
Controllers/Hub Gro	Reporting	Local Door Number:	•	
Hub Groups		Enabled		
Doors				
Card Configuration				
Tools				
🕰 Reports				
Version: 1 10 1 1 - Lite	Add Door		Delete	Save

- Specify details for the new door.
 For more information on the tabs and fields available on this screen, see <u>Door</u> <u>Details Screen</u> (see page 150).
- 3. Click **Save** to add the new door to the system.





Adding a door using the Add Door Wizard

In PLUS Hardware, click **Quick Setup - Add Door**, or click **Add Door** on the *System Live* screen, to open the *Add Door Wizard* which walks you through adding one or more new controllers step by step.

LUS Hardware	
PRO	C PLUS hardware Administrator Help Sign ou
Add Door	Step 1
Step 1: Select Controller Step 2: Set Doors Step 3: Download Changes Step 4: Validation Step 5: Finish	Please select the controller/hub group the new door should be installed to:
Version: 1.10.1.1 - Lite	Cancel

 Step 1: Select Controller. Select the controller to which the new door should be installed. Click Next.





	PLU	JS hardware	Administrator	Help Sign
Add Doc	or Step 2 - Co	ntroller 1		
Step 1: Select Controller	Please select	the door(s) to be added:		
Step 2: Set Doors	Numbe	Name		
Step 3: Download Changes		Door 1 - 1		
Step 4: Validation	2	Door 1 - 2		
Step 5. Finish	3	Door 1 - 3		
	4	Door 1 - 4		
	5	Door 1 - 5		
	6	Door 1 - 6		
	7	Door 1 - 7		
	8	Door 1 - 8		
	9	Door 1 - 9		
	10	Door 1 - 10		
		and the state		

• Step 2: Set Doors. Select which door(s) to add and enter a description of each door in the *Name* field. You will not be able to edit existing doors.

Click Next.

• **Step 3: Download Changes.** Changes are downloaded to the controller. The progress bar and status area indicate how the download is progressing.

	Administrator Help Sign o	
Add Door	Step 3	
Step 1: Select Controller Step 2: Set Doors	Please wait while the changes will be downloaded to hardware.	
Step 3: Download Changes Step 4: Validation Step 5: Finish	Saving is in progress	
Version: 110.1.1 - Lite	Cancel	Ne



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Step 4: Validation. Validate the installed doors by selecting the check box for each door and clicking **Lock**, **Unlock**, **Pass** or **Normal** to issue commands to the selected doors, confirming whether they are connected and responding to commands. Only enabled doors can be validated.

Click **Next** to continue.

• Step 5: Finish. A report on the results of the *Add Door* wizard.

Click Finish.

3.3.4 Test Controllers/Doors

PLUS Hardware allows you to remotely test online controllers and doors using the Validation Wizard. The Validation Wizard sends specified commands to controllers/doors on the network and validates their responses to determine whether or not they are functioning correctly.

Testing controllers/doors

1. In PLUS Hardware, click **Tools - Validation Wizard**. The *Validation Wizard* appears.

PLUS Hardware				
	O PLUS hardware	strator	Help	Sign out
Validation Wizard	Step 1			
Step 1: Select Objects Step 2: Validation Step 3: Validation Step 4: Finish	Please select the objects to be validated:			
Version: 1.10.1.1 - Lite	Cancel			Next





2. Select the controllers/doors to be validated and click **Next**.

JS Hardware	PLUS	Administrator Help Sign
Validation Wizard	Step 2	
Step 1: Select Objects Step 2: Validation Options Step 3: Validation Step 4: Finish	Please select the actions to be performed during validation: Door Lock Door Unlock Door Pass Door Normalise	
Version: 1.10.1.1 - Lite	Cancel	Back

 Select which command options to test during validation (Door Lock, Door Unlock, Door Pass, Door Normalize) and click Next.
 PLUS Hardware validates the selected hardware and commands, and displays a report which indicates whether or not each test was successful.

Note: "Success" means the command could be issued. The result of the test on the hardware has to be separately assessed. That is, if you command a door to lock, the software reports whether the lock command was issued and received. To validate that the door was actually, physically locked, then you must check the door itself.





US Hardware							
				Ad	Iministrator	Help	Sign ou
Validation Wizard	Step 3						
Step 1: Select Objects Step 2: Validation Options	Validation Complete.						
Step 3: Validation	Name	Lock	Unlock	Pass	Normalise		
Step 4: Finish	🖃 📵 IPPRO-05091						
	Door 1		Ø		Ø		
Version: 1.10.1.1 - Lite	Cancel					Back	Nex

4. PLUS Hardware displays a summary of the test results.

Review the report, take note of any hardware that failed validation so that you can investigate and repair or replace as appropriate, then click **Next**.

	Administrator Help Sign of
Validation Wizard	Step 4
Step 1: Select Objects Step 2: Validation Options	Wizard completed. Please see the report listed below.
Step 3: Validation	Action
Step 4: Finish	Doors Validated 1 Doors Validation succeeded 1 Doors Validation failed 0
	Succeeded No. Name Controller Address Status 1 Door 1 250 1 online & AUX Output 1 On & AUX Output 2 Off & Failed
	No. Name Controller Address Status

5. Click Finish.





3.3.5 Check the System Hardware Status

There are a number of ways to check the status of your PLUS Grid system hardware.

 In PLUS Hardware, click System Live to see the status of all configured controllers, and doors on the system, and to view live information on events occurring across the system.
 For more information, see System Live Screen (see page 136).

		Shardware		Adm	iinistrator I	Help Sign
Live System			Add Controller A	dd Door A	utodiscover	View Optio
- Live System	, Controller 1	Time	Event	Location	Details	
Live System	- TIPPRO-05091	04-22-2016 15:41:16	Door Normalised	Door 1		
🕐 Quick Setup	Door 1	04-22-2016 15:41:17	Normalise Command Issue	d Door 1	Administrator	
	Door 2	04-22-2016 15:41:14	Door Passed	Door 1		
Advanced Setup		04-22-2016 15:41:15	Pass Command Issued	Door 1	Administrator	
Trools		04-22-2016 15:41:12	Door Unlocked	Door 1		
TOOIS		04-22-2016 15:41:13	Unlock Command Issued	Door 1	Administrator	
Reports		04-22-2016 15:41:10	Door Locked	Door 1		
		04-22-2016 15:41:11	Lock Command Issued	Door 1	Administrator	
Settings		A 04-22-2016 15:25:12	Door Offline	Door 3		
		A 04-22-2016 15:25:12	Door Offline	Door 3		
ellents		04-22-2016 13:44:36	Device Online	IPPRO-0509	1	
		A 04-22-2016 13:44:03	Device Offline	IPPRO-0509	1	
		04-22-2016 09:33:47	Door Normalised	Door 2		
		04-22-2016 09:33:47	Normalise Command Issue	d Door 2	Administrator	
		04-22-2016 09:08:33	Device Online	IPPRO-0509	1	
		A 04-22-2016 09:06:12	Device Offline	IPPRO-0509	1	
		04-21-2016 17:17:22	Device Online	IPPRO-0509	1	
		04-21-2016 17:17:22	Server Started			
		04-21-2016 17:08:59	Device Online	IPPRO-0509	1	

- In PLUS Hardware, click **Reports System Status** to see a quick summary of the statuses of controllers and doors on the system. This report can be printed or exported using the links at the top-right corner of the screen. For more information, see <u>System Status</u> (see page 159).
- In PLUS Hardware, click Reports System Snapshot to see a list of all controllers and doors with summary information about each device and its current status, and also a list of recent system events. This report can be printed or exported using the links at the top-right corner of the screen. For more information, see <u>System Snapshot</u> (see page 159).





3.3.6 Set Properties for Multiple Doors

If you want to set a property for multiple doors, PLUS Hardware allows you to do this in bulk instead of editing each door individually.

Setting properties for multiple doors

- In PLUS Hardware, click Advanced Setup Doors, then use the Search/Advanced Search options on the Doors screen to find the doors for which you want to set properties. For more information on the search options on the Doors screen, see Doors Screen (see page 149).
- 2. In the search results, select the check box for each door for which you want to set properties.

	σ	PL	US,	ardware			Adn	ninistrate	or Help	Sign of
Doors		_	م	Advanced 🛠				Print	Export	Add Dool
Live System		No.	Door Name	Controller Name	Controller	Local Addr.	Status	Elevato	r Enable	d
A Quide Seture		3	Door 1 - 1	Controller 1	1	1			~	
		2	Door 2	IPPRO-05091	250	2			ž	
Hub Groups Doors Card Configuration										
Tools										
Reports										
🕏 Settings										
Clients										
l I I							1			

3. Click Bulk Properties.

The Door Options Wizard appears.

Note: <u>The properties displayed are the system defaults and do not reflect the</u> <u>current values on the selected controllers</u>. Only selected properties will be downloaded.





Door optic	ons Step 1				
Step 1: Select Options	Please unlock the door options you v	vant to change by clicking	on the	padlock:	_
Step 2: Veniy Options Step 3: Downloading	Timers	Timer	Value		
Step 4: Finish	Door Exit Options	Relay timer	5	8	
	Door Security Options	AUX output	2	8	
	Door Buzzer Options	OP2 timer	5	A	
	AUX Relay - Alarms	OP3 timer	5	- 	
	AUX Kelay - Normal Access	Door ajar timer	60	A	
	Door Status Reporting	Extended Relay timer	30	8	
			122		

- Step1: Select Options.
 - Click the lock icon to lock (a) or unlock (a) an option. Only the unlocked options will be applied to the selected doors; the settings for locked options will be ignored.
 - On the **Timers** tab, set the required timer values
 - On remaining tabs, set the required properties to enable/disabled:
 - For timers, enter a time in seconds that the corresponding output should be activated when it is fired.
 - Select the check box for an option to mark it as enabled for all selected doors, or leave the check box de-selected for an option to mark it as disabled for all selected doors.

Click Next.

Step 2: Verify Options. This screen itemizes the enabled/disabled settings the wizard will apply to the selected doors. Review the details carefully before proceeding. If any settings are incorrect, click **Back** to return to the previous screen and amend them.

Note: There is no Undo option.





		S	hardware		Administrator	Help Sign
Door options	Step 2					
Step 1: Select Options Step 2: Verify Options	Please verify the Doors:	selecte	d options and the do Options:	ors the options will b	e applied to:	
Step 4: Finish	1 - Door 1 2 - Door 2	×	Type Timers Alarms Reporting Alarms Reporting	Option Relay timer DoorTamper Handle Held Down	Value 3 Off Off	
Version: 11011-Lite	Cancel	v				Back

If you are satisfied that the options that will be applied are all correct, click **Next**.

- Step 3: Downloading. PLUS Hardware applies the enabled/disabled options to the selected doors. A progress bar indicates how the download is progressing.
- Step 4: Finish. Once all settings have been applied, the *Finish* screen summarises the changes made.
 Click Finish to return to the *Doors* screen.

Door options	Step 4					
Step 1: Select Options Step 2: Verify Options Step 3: Downloading	Wizard completed. Doors updated:	The f	ollowing door options Options set:	s are changed:		
Step 4: Finish	2 - Door 2		Timers Alarms Reporting Alarms Reporting	Relay timer DoorTamper Handle Held Down	3 Off Off	





3.3.7 Set Properties for Multiple Controllers

If you want to set a property for multiple controllers, PLUS Hardware allows you to do this in bulk instead of editing each controller individually.

Setting properties for multiple controllers

- In PLUS Hardware, click Advanced Setup Controllers, then use the Search/Advanced Search options on the Controllers screen to find the controllers for which you want to set properties. For more information on the search options on the Controllers screen, see <u>Controllers Screen</u> (see page 139).
- 2. In the search results, select the check box for each controller for which you want to set properties.



3. Click Bulk Properties.

The Controller Options Wizard appears.





Controller options Step 1: Select Options	Step 1		
Step 2: Verify Options	Please unlock the controller optic	ons you want to change by clickin	ig on the padlock:
Step 4: Finish	Door 2 Options Operations - General Operations - Printer	AUX for all doors OP2=Tech fault OP3=Any door open	8 8 8

- For each tab (Door 1 Options, Door 2 Options, Operations General, and Operations - Printer), set the required properties to enable/disabled:
 - Click the lock icon to lock () or unlock () an option. The enabled/disabled settings for unlocked options will be applied to the selected controller; the settings for locked options will be ignored.
 - 2. Select the check box for an option to mark it as enabled for all selected controllers, or leave the check box de-selected for an option to mark it as disabled for all selected controllers.

Note: <u>The check box does not reflect the actual value currently on the controllers.</u>

5. Click Next.

The *Verify Options* screen appears itemizing the enabled/disabled settings the wizard will apply to the selected controllers. Review the details carefully before proceeding. If any settings are incorrect, click **Back** to return to the previous screen and amend them.





IP RO	PLUS	5	hardware		Administrator H	elp Sign
Controller options	Step 2					
Step 1: Select Options	Please verify the sele	ecte	d options and the control	lers the options	will be applied to:	
Step 2: Verify Options	Controllers:		Options:			
Step 3: Downloading Step 4: Finish	250 - IPPRO-05091	*	Туре	Option	Value	
			Operations - General	Web Server	On	
Ir		Ŧ				

- 6. If you are satisfied that the options that will be applied are all correct, click **Next**.
- 7. PLUS Hardware applies the enabled/disabled options to the selected controllers. A progress bar indicates how the download is progressing.
- 8. Once all settings have been applied, the *Finish* screen summarizes the changes made. Click **Finish** to return to the *Controllers* screen.





3.3.8 See What Hardware is on the Network

Using PLUS Hardware, you can generate a report that provides a snapshot of all the IPPro hardware on your network.

In PLUS Hardware, click **Reports - System Snapshot** to see a list of all controllers, doors with summary information about each device and its current status, and also a list of recent system events. This report can be printed or exported using the links at the top-right corner of the screen.

For more information, see <u>System Snapshot</u> (see page 159).

Alternatively, go to **Advanced Setup** and choose what type of hardware you want to review. You can list doors and controllers.

3.3.9 Configure Timers

You can:

• <u>Configure door timers (see page 52)</u>

Configuring timers for a door

- 1. In PLUS Hardware, click **Advanced Setup Doors**, OR in PLUS Manage, click **Manage - Doors**.
- Using the Search/Advanced Search options on the Doors screen, find the door for which you want to configure timers. For more information on the search options on the Doors screen in PLUS Hardware, see Doors Screen (see page 149). For more information on the search options on the Doors screen in PLUS Manage, see Doors Screen (see page 96).
- In the search results area on the *Doors* screen, click the Door Name of the door you want to configure. The *Door Details* screen appears.
- 4. In PLUS Hardware, on the **Timers** tab, you can specify the following timers: *Relay Timer, AUX Output, OP2 Timer, OP3 Timer, Door Ajar Timer, Extended Relay Timer, Tracking Delay Timer.*





For more information, see <u>Door Details - Timers Tab</u> (see page 151).

	o PLU	Shardware		Administrator Help Sign ou
Door Details	2 - Door 2			(=
Live System	General	Relay timer	3	
Quick Setup	Operations	AUX output	2	
💑 Advanced Setup	AUX Relay	OP2 timer	5	
Controllers/Hub Groups	Reporting	OP3 timer	5	
Doors		Door ajar timer	60	
		Extended Relay timer	30	
		Tracking Delay timer	0	
Tools				
Reports				
😪 Settings				
Clients				
Version: 11011 - Lite	Add Door			Delete

Or

In PLUS Manage, on the **General** tab, you can specify values for the *Relay Timer* and the *Door Ajar Timer*.

For more information, see <u>Door Details - General Tab</u> (see page 97).





	o PLU	manage	k?	Administrat Warning: 2 enabled doors con	or Help Sign (
Door Details	Door 2				Print Expo
Home	General	Door Number:	2		
Live System	Actions	Door Name:	Door 2	*	
🖉 Manage	Reporting	Relay Timer:	3	¢٠	
8 Users	Floor Group	Door Ajar Timer:	60	¢.	
User Groups				Save	
Door Groups					
Doors					
Timezones					
Holidays					
DB Users					

5. Click Save.

3.4 Managing the System

3.4.1 Add a Door Group

Door groups are a convenient way of grouping a number of doors to simplify granting/denying access to that group of doors. Door groups are essential for applying user group access rights. **NOTE**: "All Doors" is a default Door Group and cannot be modified.

PLUS Manage allows you to create and edit door groups. Doors must be added to the system through PLUS Hardware before they can be assigned to door groups. For more information, see <u>How do I add a Door</u> (see page 38). Any given door may belong to multiple door groups.

You can:

- <u>Create a door group manually through the *Door Group Details* screen (see page 55)
 </u>
- <u>Create a door group using the *Door Group Wizard* (see page 56)</u>





Adding a door group through the Door Group Details screen

1. In PLUS Manage, click **Manage - Door Groups**, then click **Add Door Group** in the top right corner of the *Door Groups* screen.

		Manage		Warning: 2 er	Administrator	Help ted, 1 disc	Sign (
Door Group Details						Print	Ехро
Home 🎽	General	Door Group Number:	1				
Live System	User Groups	Door Group Name:			*		
👔 Manage		Available Doors		Doors in Group			
& Users			2		P		
8 User Groups		Door 1		Name Name			
Door Groups		Door 1 - 1 Door 2	Þ				
Doors							
Timezones							
Holidays							
DB Users							
Elevator Manager							
Dinputs							
Outputs							
Cards					Delete Save		
1999							

- 2. Specify the *Door Group Name* on the **General** tab.
- 3. Specify the doors in the door group on the General tab:
 - To add a door, select the door in the Available Doors list, then click the right-arrow (
).
 - To remove a door, select it in the *Doors in Group* list and click the leftarrow (
- 4. Click **Save** to create a record for the door group.





Adding a door group using the Door Group Wizard

1. In PLUS Manage, click **Add Door Group** on the *Manage – Home* screen to open the *Add Door Group Wizard* which walks you through adding a door group step by step.

		Administrator Help Sign C Warning: 2 enabled doors connected, 1 disconnec
Add Door Group	Step 1	
Step 1: Door Group Details	Please specify the Door Group details:	
Step 3: Results	Door Group Name:	*
Version: 1.10.1.1	Cancel	Ne

2. Follow the wizard's onscreen instructions to add a new door group, clicking **Next** in the bottom right of the screen after each step and **Finish** at the end.

3.4.2 Configure PLUS Grid Software Operator Access Rights

PLUS Manage allows you to configure operators (also called DB Users) of PLUS Grid software through the *DB Users* screen. An operator is any person who uses the PLUS Grid software. You can restrict an operator's access to particular data and functions when using the software.

Note: Only Administrators can view or change PLUS Grid access rights.





Configuring Operator access rights

1. In PLUS Manage, click Manage – DB - Users.

LUS Manage	ID IPRO PLUS manage					Administ d doors (rator H	elp Sign Ou
	DB Users	Search	٩			Print	Export	Add DB User
A Home	^	No	Name	Role	Tenancy			
Live System			Operator	Operator	<none></none>			
Manage								
Users								
User Groups								
Door Groups								
Doors								
Timezones								
Holidays								
DB Users								
Version: 1 10 1	1	Delete D	B User					
Version. 1.10.1		Delete D	o ooci					

 To edit an existing operator's access rights, click their name. The *DB User Details* screen appears. For more information on this screen, see <u>DB User Details Screen</u> (see page

For more information on this screen, see <u>DB User Details Screen</u> (see page 107).





	PRO PL	US	manage		Adm	inistra	ator	Help Sig
				1	Warning: 2 enabled do	ors co	nneo	ted, 1 disconn:
DB User Detai	Is Operator							
Home	General	Number	2			-	-	
		Name:	Operator		Change Passv	vord		
Manage		Role:	Operator		 ▼			
Subsers		Allow			Database Access			
Liser Groups						Full	RO	None
		Connec	t & view status	×.	Locations	0		0
Door Groups		Downlo	ad data	×.	Controllers	0	-	0
Doors		View en	anager vent analveis	Č,	User Groups		0	
Timezones		User Tr	acking reports		Doors & groups			Ö
Holidays		Time &	Attendance	~	Timezones & Holidays	0		0
DB Lisers	-	View au	dit trail		Time & Attendance	0		0
The set of		Adminis	ter database					
Elevator Manager		Control	doors & outputs					
🔊 Inputs						Dele	ete	Save
-	*							

- 3. From the *Role* drop-down list:
 - Select a standard role to assign the operator a pre-defined combination of rights to access functions and data. The *Allow* and *Database access* areas reflect the rights for the selected role.

Or

- Select *Custom* to specify a customized combination of rights. When you select *Custom*, you can optionally select which clients the operator should have access to. The appropriate rights are assigned by the system to allow the DB User to access the selected clients. Alternatively, select the user's required rights from the *Allow* and *Database Access* areas.
- 4. Click Save.

Note: If a user does not have sufficient minimum access rights for a client, then the client will be disabled in the **Clients** menu.



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3.4.3 Synchronize Controller Information

The System Synchronize Wizard in PLUS Manage and PLUS Hardware allows you to download the entire database to one or more controllers. Controllers remain offline during downloads, meaning that they cannot be commanded during this time, nor will they report events. Remote Door stations will have limited functionality during the download. You should only do a download if you are entirely sure it is required.

Note: Synchronizing controllers means that all data entered on the controller directly, via its web server, will be lost.

Synchronizing controller information

In PLUS Manage or PLUS Hardware, click **Tools - System Synchronize**. The *System Synchronize Wizard* appears.

		Wa	rning: 2 e	nabled doors connecte	d, 1 disconnec
System Synchronise	Step 1: Controllers				
Step 1: Controllers Step 2: Downloading Step 3: Results	Please select the controlle Controller Name IPPRO-05091	rs the changes will be download Address TCP 192.168.100.85.10001	ied to: Status	Up To Date X	

Step 1: Controllers. This screen indicates whether each controller is up to date or not.

Select which controllers you want to download to, then click Next.

iP		Administrator Help Sign Ou Warning: 2 enabled doors connected, 1 disconnected
System Synchronise	Step 2: Downloading	
Step 1: Controllers Step 2: Downloading	Please wait while the changes will be downloaded to h	ardware.
Step 3: Results	-	100%
	Controller 1PPRO-05091': The download has comple	ted
Version: 1.10.1.1	Cancel	Back

Step 2: Downloading. This screen shows a progress bar which indicates the overall progress of the system synchronization. The message area shows information for each controller as data is downloaded.
When the download has fully completed, click Next.





Ĩ		anage Warning	Administrator	Help Sign C
System Synchronise	Step 3: Results			
Step 1: Controllers	Wizard completed. Please see t	he report listed below.		
Step 2: Downloading Step 3: Results	Controllers Updated	1		
	IPPRO-05091	Online		

• Step 3: Results. This screen shows the results of the synchronization operation: the number of controllers updated and their current statuses.

Click Finish to leave the wizard.

3.4.4 Configure a Door's Actions

Actions are settings automatically applied by a door controller at specified times without the need for user intervention.

For example:

- A door may require additional security out of office hours where a PIN may be required.
- A door may be set to have card and PIN access 24 hours. This is common for rooms that require a high level of security.
- A door may be automatically opened during business hours.

Actions may be used to control external devices via the controller outputs, or to alter the security level of a door at certain times. Each action may be inactive (default) or have any defined time zone assigned.

NOTE: Before configuring a door's actions, you should ensure you have created all the time zones required. For more information, see <u>How to add a Time Zone</u> (see page 60).





Configuring a door's actions

- 1. In PLUS Manage, click **Manage Doors**. If the door whose actions you want to configure is not immediately visible, use the *Search/Advanced Search* options on the *Doors* screen, find the door for which you want to configure actions.
- 2. In the search results area on the *Doors* screen, click the name of the door you want to configure.

The Door Details screen appears.

	PLU	JS _{manage}	Wa	Administra	tor Help	Sign (
Door Details	Door 1				Print	Ехро
Home	General Door Groups	Unlock Door:	No Timezone			_
Live System	Actions	Lock Door:	No Timezone	.		
Manage	Reporting Floor Group	PIN Required:	No Timezone			
Users		Any Card:	No Timezone	 \		
User Groups		OP2 Active:	No Timezone	.		
Door Groups		OP3 Active:	No Timezone	v		
Doors		AUX Active:	No Timezone	 •		
		PIN Only:	No Timezone	.		
31 Holidays		PIN or Card:	No Timezone	 •		
Elevator Manader		Twin Users:	No Timezone			
		Normalise Doors:	No Timezone			
Outputs				Save		

3. Click the **Actions** tab of the *Door Details* screen.

4. For each listed action, select a time zone from the corresponding drop-down list to determine when the action applies for this door.

For a description of each of the available actions, see <u>Door Details - Actions</u> <u>Tab</u> (see page 98).

5. Click **Save** when you have finished configuring required action/time zone combinations.

Note: Some timed actions are mutually exclusive. In this case, only one timed action should be selected where the times zones overlap. Examples are: *Lock Door* and *Unlock Door*, OR *PIN Required*, *PIN or Card*, and *Any Card*.





3.4.5 Configure Fire Doors

Fire doors are automatically opened in the event of a fire to allow free passage of users. In PLUS Grid, fire doors are specified by (1) adding them to a door group, then (2) making that door group as the one containing *Fire override doors*.

To set up fire doors:

- In PLUS Hardware, add the controllers and connected doors to the system. For more information, see <u>Add a Controller</u> (see page 31) and <u>Add a Door</u> (see page 38).
- 2. Physically wire your infrastructure so that a common 0V output from the fire panel is brought separately to the AUX input of each IPDCE controller. Each controller that receives the fire alarm signal will automatically unlock the assigned fire doors in the event of the fire alarm and normalize the doors immediately once the fire condition is cancelled.
- 3. In PLUS Manage, create a new door group for fire doors, and specify which doors will be opened automatically in the case of a fire. For more information, see <u>Add a Door Group</u> (see page 54).
- 4. In PLUS Manage, specify that this door group is the one containing *Fire override doors*. See below.





Making a door group as one containing Fire Override doors

- 1. In PLUS Manage, click Settings.
- 2. On the Settings screen, click the Doors tab.

• > (PLUS	manage	Warning: 2 e	Administra	ator Help Sign
Se	ttings				
Home	General Doors	Fire override doors	All Doors		v
B Live System	Muster Events	Anti-passback Doors	No Doors		v
Cards Tools	Holiday Names	Perimeter Doors	No Doors		 ▼
Reports	Card Print	Time and Attendance doors	No Doors		
Settings Clients	PLUSontime	Internal doors	No Doors		Ψ.
		User Limit A User Limit B	0	¢ \$	
				Car	ncel Save
Version: 1.10.1.1					

- 3. At *Fire override doors*, select the door group containing fire doors.
- 4. Click Save.

3.4.6 Configure Holidays

PLUS Manage allows you to <u>specify up to 9 holiday types</u> (see page 64), and to <u>assign at most one holiday type to each day of the year</u> (see page 64).

When you specify time zones (periods when access rights apply), you can mark them as active for week days and also for days assigned specific holiday types. For more information on specifying time zones see <u>Add a Time Zone</u> (see page 65).





Configuring holiday types

- 1. In PLUS Manage, click Settings.
- 2. Click the Holiday Names tab.

		manage	2	Administrator Help Sign (
			Warning:	2 enabled doors connected, 1 disconnected
Settings				
Abme	General	Turne 1	Pagering Halidaup	
Live System	Doors	Type 1	Heliday Type 2	-
🖉 Manage	Events	Type 2	Helidey Type 2	-
Cards	User Fields	Type 5	Helideu Tune A	-
Tools	Holiday Names	Type 4	Holiday Type 4	-
Reports	Card Print	Type 5	Holiday Type 5	-
settings	Installer	Туре б	Holiday Type 6	-
Clients	PLUSontime	Type /	Holiday Type 7	-
		Type 8	Holiday Type 8	-
		Type 9	Holiday Type 9	
			Cancel Sav	e

3. Enter names for up to nine holiday types and click **Save**.

Marking days of the year as holidays

 In PLUS Manage, click Manage - Holidays. The Holidays screen shows a 12 month calendar starting at the current month, and a list of color-coded holiday types. The current date is selected by default. Dates flagged as holidays are highlighted in the corresponding holiday type color.

Note: Adding a holiday for a specific day/month combination leaves that holiday for that date in the system for each subsequent year. You should periodically review your holidays, for instance moving company holidays.

For more information, see <u>Holidays Screen</u> (see page 105).



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	RO PLUS	manage	Wa	Admir	nistrator Help Sig
Holidays	5				Print Ex
Home		Holidays	Calendar		1 01 2017
Live System	April, 2016	May, 2016	June, 2016	July, 2016	O None
Manage Users User Groups	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 3 24 25 26 27 28 29 30 August, 2016	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 12 23 24 25 26 27 28 29 30 31 September, 2016	Su Wo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	Su No Tu We Th Fr Sa 3 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 02 12 22 13 24 25 26 27 28 29 30 31 November, 2016	Recurring Holidays Holiday Type 2 Holiday Type 3 Holiday Type 4 Holiday Type 5 Holiday Type 5
Doors Timezones Holidays	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	Su Mo Tu We Th Fr Sa 1 2 3 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	Su Mo Tu We Th Fr Sa 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 31 31 31 31 31 31	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 30 30	Holiday Type 8 Holiday Type 8 Holiday Type 8 Holiday Type 9
DB Users	December, 2016	January, 2017	February, 2017	March, 2017	
Elevator Manager Inputs Outputs	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 26 27 28 29 30 31	Su Mo Tu We Th Fr Sa 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 24 25 26 27 28 29 30 31	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 6 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	Su Mo Tu We Th Fr Sa 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	
Cards T Tools	-	Change Hol	iday Names		Cancel Save

- 2. To assign or change the holiday type for any date, select that date on the calendar and click the radio button for the holiday type to assign that type. Only one holiday type may be assigned to each date.
- 3. To remove a holiday type for any date, select that date on the calendar and click the *None* radio button.
- 4. Click Save.

3.4.7 Add a Time Zone

A time zone consists of up to 8 time periods. Each period specifies a time range and the days and holidays for which the period is active. The time zone is active when any of its periods are active. Time zones are primarily used for two purposes:

(a) Time zones are used to specify when a user/group's access rights are valid.

(b) Time zones are used to schedule <u>Door Actions</u> (See Page 60)

Time zones can be created and edited in PLUS Manage.





Adding a Time Zone

In PLUS Manage, click Add Time Zone on the *Home* screen, or click Manage

 Time Zones, then click Add Time Zone in the top right corner of the *Time* Zones screen.

The *Time Zone Details* screen appears.

	PLU	manage		A Warning: 2 enabled	Administrator Help Sign O
Timezone Detai	s				
Home	General	Timezone Number	2		
		Timezone Name:	1		
Manage		Times	Davs		
& Users		No Times	No Days		
		No Times No Times	No Days No Days		
User Groups		No Times	No Days		
Door Groups		No Times No Times	No Days No Days		
Doors		No Times	No Days		
Timezones		No Times Period	No Days		
Holidays		From: 00 : 0	0		
DB Users		To: 00 : 0	00:00	23:59	
Elevator Managor		Days	Holidays		
Lievalor manager		Sunday	Recurring	g Holidays	
Inputs		Monday	Holiday 1	ype 2	
Outputs		U Tuesday	Holiday 1	ype 3 Size 4	
Cards		Thursday	Holiday 1	vpe 5	
-		Friday	Holiday T	ype 6	
IUOIS		Saturday	Holiday T	ype 7	
Reports			Holiday T	ype 8	
Settings		Clasr	- Hoeday I	ype 5	
		wical			
				Delete Save	
	1				

- 2. Enter the *Timezone Name* on the **General** tab.
- In the lower section of the General tab, specify the *Times/Days* combinations when this time zone is active. To specify a *Times/Days* combination, select a row, and in the fields below specify the corresponding *Period* (*From* and *To* times), and select the *Days* and *Holidays*.
- 4. Click **Save** to create the time zone.





4 **Reference Information**

The following sections provide reference information on the screens in <u>PLUS Manage</u> (see page 67), <u>PLUS Hardware</u> (see page 133) and <u>Server Client</u>(see page 167).

The reference sections do not include screen shots of the software - please refer to the relevant software module while reviewing this information.

4.1 PLUS Manage

4.1.1 About PLUS Manage

PLUS Manage allows you to manage an installed IPPRo PLUS Grid system. You can configure and manage card holders, user groups, door groups, timezones, holidays, and access rights across the system. You can run reports on system activity, including event analysis, audit reports, and user validity and activity.

See Also

Navigating PLUS Interfaces (see page 8)

PLUS Manage Menus (see page 104)

4.1.2 About PINs

PINs only need to be assigned for systems requiring Card & PIN or PIN Only usage.

PINs can be set for individuals or for user groups.

If a PIN is set for a user group, it must be unique across all user groups on the system.

If a PIN is set for a user group, the user group's PIN becomes the default PIN for all users in that group, but can be overridden on a user-by-user basis.

If you enter a personal PIN for a user, this will override the default user group PIN for that user. If you delete an individual PIN for a user, their PIN then reverts to the user group PIN (if set).

You cannot delete a default PIN at the user level.





4.1.3 General

4.1.3.1 PLUS Manage Home Screen

The *Home* screen provides quick access to the most frequently used PLUS Manage features. Click any of these to be brought directly to the relevant screen:

- List Users. For more information, see <u>Users Screen</u> (see page 72).
- Add User. For more information, see User Details Screen (see page 75).
- Add Cards. For more information see Extra Cards Screen (see page 23).
- Add User Group. For more information, see <u>Add User Group Screen</u>. (see page 21)
- Add Door Group. For more information, see <u>Add Door Group Screen</u> (see page 93).
- Add Timezone. For more information, see <u>Time Zone Details Screen</u> (see page 103).

4.1.3.2 PLUS Manage Menus

The following menus are available in PLUS Manage.

- Home. For more information, see <u>Home Screen</u> (see page 68).
- Manage. For more information, see <u>PLUS Manage Manage Menu</u> (see page 68).
- Cards. For more information, see <u>PLUS Manage Cards Menu</u> (see page 70).
- Tools. For more information, see <u>PLUS Manage Tools Menu (see page 70)</u>.
- Reports. For more information, see <u>PLUS Manage Reports Menu</u> (see page 70).
- Settings. For more information, see <u>About Settings</u> (see page 71).
- Clients. For more information, see <u>PLUS Manage Clients Menu</u> (see page 71).





4.1.3.3 PLUS Manage - Manage Menu

The following options are available on the **PLUS Manage - Manage** menu.

- Users. For more information, see <u>About Users (see page 72)</u>.
- User Groups. For more information, see <u>About User Groups</u> (see page 84).
- Door Groups. For more information, see <u>About Door Groups</u> (see page 92).
- Doors. For more information, see <u>About Doors (see page 95)</u>.
- Time zones. For more information, see <u>About Timezones</u> (see page 102).
- Holidays. For more information, see <u>About Holidays</u> (see page 104).
- DB Users. For more information, see <u>About DB Users</u> (see page 106).





4.1.3.4 PLUS Manage - Cards Menu

The following options are available on the **PLUS Manage - Cards** menu.

- Extra Cards. For more information, see Extra Cards Screen (see page 109).
- Report Lost. For more information, see <u>Report Lost Screen</u> (see page 110).

4.1.3.5 PLUS Manage - Tools Menu

The following options are available on the **PLUS Manage - Tools** menu.

 System Synchronize. For more information, see <u>System Synchronize Screen</u> (see page 113).

4.1.3.6 PLUS Manage - Reports Menu

The following options are available on the **PLUS Manage - Reports** menu.

- Validate Users. For more information, see <u>Validate Users Screen</u> (see page 126).
- User List. For more information, see <u>User List Screen</u> (see page 114).
- Card Expiry. For more information, see <u>Card Expiry Screen</u> (see page 117).
- User Tracking. For more information, see <u>User Tracking Screen</u> (see page 120).
- Audit Trail. For more information, see <u>Audit Trail Screen</u> (see page 122).
- Event Analysis. For more information, see <u>Event Analysis Screen</u> (see page 124).





4.1.3.7 About Settings

The *Settings* screen allows you to configure preferred settings/values for a range of functions in PLUS Manage, such as the names of user fields and holidays, area limits and event filters.

See Also

Settings Screen (see page 129)

4.1.3.8 PLUS Manage - Clients Menu

Click any of the client software options in the **Clients** menu to open the corresponding software module for PLUS Grid. The selected module opens in front of the current module.

You must have logon access to use each client, and which tasks you will be able to perform depends on the access rights you have been granted.

The following options are available (if you have full access rights) on the **PLUS Manage - Clients** menu.

- PLUS Hardware. For more information, see <u>About PLUS Hardware (see page</u> 133).
- PLUS SiteMaps Monitor. SiteMaps Monitor is an optional add-on to the PLUS Grid system. It is a real-time access control tool that provides visual navigation through the system of maps created with SiteMaps Editor, allows you to issue basic commands on access control objects on the maps, and allows you to monitor events and status changes from the PLUS system via maps in live mode. For more information, please refer to the online help included in SiteMaps Monitor.
- PLUS SiteMaps Editor. SiteMaps Editor is a visual designer tool that creates a list of maps from pre-designed graphics that represent infrastructure units of an access control site, and places PLUS controlling units (doors, inputs/outputs, etc.) on those maps according to their physical location in the building. For more information, please refer to the online help included in SiteMaps Editor.





4.1.4 Users

4.1.4.1 About Users

Users are access control card holders. The system allows you to set up new users and provide their details, including their name, user group, validity periods, PIN numbers (if applicable) and card details.

Different data can be recorded for permanent and temporary users of the system.

See Also

<u>Users Screen (see page 72)</u>

User Details Screen (see page 75)

About User Groups (see page 84)

<u>About Reports (see page 113)</u>

4.1.4.2 Users Screen

The *Users* screen is accessed through the **Manage - Users** menu item in PLUS Manage.

See below for descriptions of:

- <u>The Simple and Advanced search fields available on the Users screen.</u> (see page 73)
- <u>The columns on the Users screen search results area.</u> (see page 74)

The following options are also available on this screen:

- To print the user list, click **Print** (**Print**) to open the *Print* dialog for your computer, from which you can select your preferred printer.
- To export the user list, click Export (Export), and in the dialog that appears specify the required file name and location, then click Save. The file may be opened later in a text editor, or a spreadsheet software such as Microsoft Excel.
- To add a new user (see page 11), click Add User (Add User).
- To add a visitor (a user that is flagged as a visitor and may require fewer or different details), click Add Visitor (Add Visitor).




Note: You can select the box(es) for one or more users in the search results area, then click **Delete User**, **Enable**, **Disable**, **Set Validity** or **Print Cards** at the bottom of the screen to quickly perform any of these operations on the selected user(s). In the case of **Set Validity**, you are prompted to specify the required start/end date/times for the validity period. In the case of **Print Cards**, you are prompted to specify card properties before printing.

Search Fields

Field Name	Description	
Search	Enter all or part of the registered name for the user whose record you want to view and click the Search icon (?). A list of matching records is displayed in the <i>Search Results</i> area.	
	Example: Searching for "Ann" might show results for " Ann -Marie Boyle", "Jo ann e Murphy", and "Joseph H ann ".	
Advanced. Click Advanced to see the following additional search fields. You can use one or more fields to specify your search criteria.		
User Number	Enter the user's number. The system will return an exact match if found.	
First Name	Enter all or part of the user's first name.	
Last Name	Enter all or part of the user's last name.	
Group	Select the group to which the user is assigned.	
Card number	Enter the user's card number. The system will return an exact match if found.	
State	Select the user's state: Enabled, Disabled or All (either).	
Selectable field	At the final search field, select one additional user field to search on, and enter matching text.	





Results

The following table describes each of the columns on the *Users* screen search results area.

Column Name	Description
No.	The unique number that identifies this user on the system. (Sortable.)
Name	The user's name. Click to view full details for this user on the <u>User</u> <u>Details screen (see page 75). (Sortable.)</u>
Enabled	A green check-mark is displayed for accounts that are enabled.
	If an account is enabled, the user's card/PIN is operative, though usage may be restricted by a validity period, if set.
	If an account is disabled, the user's card/PIN will not work.
	An account must be both enabled <i>and</i> valid for the user's card/PIN to work.
Valid	A green check-mark is displayed for accounts that are valid. A user's account is valid if either the current date and time fall within the set validity period, or if no validity period was set for the user.
	An account must be both enabled and valid for the user's card/PIN to work.
Group	The group this user is a member of. Click to view full details for this group on the <u>User Group Details screen</u> (see page 86). (Sortable.)
Card number	The user's card number (if applicable).





Column Name	Description
Last column	The default value displayed in the last column is determined by the <i>Optional Column</i> setting on the <u>Settings - General tab</u> (see page 129), but you can change which user field value is shown using the <i>Advanced</i> search settings.

4.1.4.3 User Details Screen

The following table describes the data that appears on the left of the *User Details* screen in PLUS Manage.

Field Name	Description
Photo	If a photo of the user has been added to the system, it appears here. Click Upload Photo to add a photo of the user to the system.
User Name	The user's name. The user's name is made up of the specified <i>First Name</i> and <i>Last Name</i> , and is displayed in logged event lists and queries. Although the combined name may be up to 65 characters in length, only the first 16 characters will be visible locally on the door controller LCD. If the combined name exceeds this length, the first name is automatically abbreviated when downloaded.
User Group	The group this user is a member of.
Status	Whether this user is <i>Enabled</i> or <i>Disabled</i> on the system.





Field Name

Description

Configuration Tabs

A set of tabs on the right of the screen allow you to configure different settings for each user. For more information on these tabs, click the links below.

- General Tab. For more information, see <u>User Details General Tab</u> (see page 76).
- Details tab. For more information, see <u>User Details Details Tab</u> (see page 78).
- Options tab. For more information, see <u>User Details Options Tab</u> (see page 79).
- Recent Events tab. For more information, see <u>User Details Recent Events</u> <u>Tab</u> (see page 81).
- View Doors tab. For more information, see <u>User Details View Doors Tab</u> (see page 81).

4.1.4.4 User Details - General Tab

The following table describes the data that appears on the *User Details - General* tab.

Field Name	Description
User Number	The user's unique identifying number on the system. A default unique value is assigned when a new record is created. If you want to edit this value, it must be changed before the user record is saved for the first time.





Field Name	Description
First Name	The user's first name. This is a mandatory field.
Last Name	The user's surname.
User Group	The group to which the user is assigned. This is a mandatory field. Click the blue group's name to see more information on the group. The user group determines the access rights for the user. Each group contains a combination of timezone and door group pairs, which determine the doors the user is allowed through and at what times. For more information, see <u>About User Groups (</u> see page 84).
Enabled	If this check box is selected, the user is enabled on the system; if not, they are disabled.
Cards and PI	N
Cards assigne	ed to the user are listed here.
Click the card icon on the right of the field to set up a new card for this user. For more information, see Card Add Screen (see page 82).	
PIN	Note: PINs are only applicable for sites where PINs are used.
	The user's current PIN is not displayed for security reasons.
	You can reset a user's PIN here.
	To delete a PIN, click the ${f X}$ at the right of the record. In this case, the





Field Name	Description	
	default PIN for the user group this user is assigned to becomes their new PIN.	
	To reset a PIN, either enter a PIN in this field, or click Random to generate a random PIN. Take note of the new PIN to give to the user. The PIN is only displayed until you click Save , then it is hidden.	
	For more information on PINs, see <u>About PINs (</u> see page 67).	
Validity Period		
From	The date from which the user is allowed access. Access is denied to the user before this date. Access will be granted to the user after midnight on the Valid From date. If the box is unchecked then access will be allowed up to the Valid To date. If you do not specify a validity period, the user is always valid.	
То	The last day that access will be allowed to the user. After this date, access will be denied. If the box is unchecked, then access will be allowed indefinitely from the Valid From date. If you do not specify a validity period, the user is always valid.	

4.1.4.5 User Details - Details Tab

10 fields appear on this screen - their names are configurable on a per-system level on the <u>Settings - User Fields Tab</u> (see page 131) in PLUS Manage. Enter information appropriate for the configured field names.

Click the down arrow to the right of a field to see existing field values for all other users. You can select an existing value from this drop-down list, or enter type in a new one.





4.1.4.6 User Details - Options Tab

The following table describes the data that appears on the *User Details - Options* tab.

To enable any of these options for the current user, select the check box for that option. To disable an option, de-select the check box. Settings made here override settings inherited from the user's assigned User Group.

Field Name	Description
Toggle Relay	This option causes the relay to toggle whenever the user is granted access. If the door was in its normal state, it is unlocked, and the green reader LED will flash. The door relay is held open so users have free access. If the door was already unlocked, then it is returned to normal operation. This option may be assigned to individual users or to groups.
Extended Relay	This option causes the door relay to remain active for an extended period of time when access is granted. For more information, see <u>Door Details - Timers Tab</u> (see page 151).
Activate OP2	This option causes the local OP2 output to be fired for a predetermined period of time whenever the user is granted access. This option may be assigned to individual users or to groups.
Activate OP3	This option causes the local OP3 output to be fired for a predetermined period of time whenever the user is granted access. This option may be assigned to individual users or to groups.
Arm/Disarm	Feature disabled.





Field Name	Description
Monitor User	Users with this option may be located quickly in the <u>User Tracking</u> <u>Screen (</u> see page 120).
Verify Visually	A user with this option will have their photograph pop-up on the screen when they access one of the doors.
Visitor Card	Users with this option are considered as visitors in the system.





4.1.4.7 User Details - Recent Events Tab

This tab displays a list of recent events for the user.

Field Name	Description
Time	The time of the event.
Event	The event.
Location	The location (door or barrier) of the event.
Details	Details of the event.

4.1.4.8 User Details - View Doors Tab

This tab shows a list of door/time zone combinations valid for this user.

A user can only access a door during the period specified by the associated time zone.





4.1.4.9 Upload Photo Screen

The following table describes the data that appears on the *Upload Photo* screen in PLUS Manage.

Field Name	Description
Source Type	Select whether the photo will come from:
	 File (click Open to open a dialog where you can browse for and select the image file to use)
	 Video (select the Video Source from the drop-down provided, then click Capture to take a picture)
	 Twain (click Acquire to scan the image).
Source	Shows the full original image opened/captured/acquired. You can click and drag to select a cropped area of the image to use as the final user photo.
Preview	Shows the final user photo. This is either the full or cropped image from the <i>Source</i> area. Click Apply to save.

4.1.4.10 Card Add Screen

When adding a card for a user (see <u>User Details - General Tab</u> (see page 76)), this screen allows you to specify a source from which to read the number of a presented card. Select the source type, then the specific source and click **Capture** to read the card number. Click **Save** to return to the *User Details - General* tab with the card number now populated.





4.1.4.11 Copy User Screen

The following table describes the data that appears on the Copy Users screen.

Field Name	Description
Сору То	Specify the start and end range of users you want to copy selected details to. If the users already exist, their current details will be overwritten. If they do not already exist, users with the copied details will be created. You should verify whether or not user IDs in the specified range are already in use before you copy user details.
Items to copy	Select the check box for each property from the selected user you wish to copy to the specified existing/new users.
Enable new users	Select this check box to enable any new users created by the operation.
Visitor cards	Select this check box to assign visitor cards for any new users created by the operation.

Click **Apply** to copy details to new/existing users.





4.1.5 User Groups

4.1.5.1 About User Groups

User groups are used to define common settings and access rights for a set of users.

When you create a user profile, you select one user group to which the user belongs (see <u>User Details - General Tab</u> (see page 76)), and their access rights are those assigned to that group. If the group's rights change, then so do those of all members of the group.

See Also

<u>User Groups Screen (</u>see page 85)

<u>User Group Details Screen (see page 86)</u>

About Users (see page 72)

Users Screen (see page 72)

<u>User Details Screen (see page 75)</u>





4.1.5.2 User Groups Screen

The following table describes the search field and results columns on the *User Groups* screen.

Note: All User Groups are displayed on this screen at the same time, with no pagination.

Field Name	Description
Search	Enter all or part of the name of the group you want to view and click the Search icon (<>>>>). A list of matching records is displayed in the <i>Search Results</i> area.
	Example, searching for "Team" might show results for " Team A", "Security Team ", and "S team Cleaner Operators".
No	The unique number that identifies this group on the system. (Sortable.)
Name	The group's name. Click to view full details for this user on the <u>Group</u> <u>Details screen (</u> see page 86). (Sortable.)
Enabled	A green check-mark is displayed for groups that are enabled. (Sortable.)
Number of Users	The number of users in the group. Click to see a list of users in this group on the <u>Users Screen (see page 72)</u> . (Sortable.)
Access Rights	The first door group/time zone combination assigned to this group. Up to 8 combinations may be assigned per group. To view all access rights assigned, view the <u>User Group Details - Access Rights Tab</u> (see page 89). (Sortable.)





Click **Add User Group** at the top of this page to open a blank <u>User Group Details</u> <u>screen</u> (see page 86) from which you can add a new user group.

Select the check box for one or more user groups in the list area and click **Delete User Group** at the bottom of the screen to delete the selected user group(s).

4.1.5.3 Group Details Screen

The Group Details screen has a number of tabs showing different settings for the selected group. For more information on these tabs, click the links below.

- General tab. For more information, see <u>User Group Details General Tab</u> (see page 87).
- Access Rights tab. For more information, see <u>User Group Details Access</u> <u>Rights Tab</u> (see page 89).
- Options tab. For more information, see <u>User Group Details Options Tab</u> (see page 89).
- Anti-passback tab. For more information, see <u>User Group Details Anti-passback Tab</u> (see page 91).
- Area Limits tab. For more information, see <u>User Group Details Area Limits</u> <u>Tab</u> (see page 91).

Click **Add User Group** at the bottom of this page to open a blank *User Group Details* screen from which you can add a new user group.





4.1.5.4 User Group Details - General Tab

The following table describes the data that appears on the *User Group Details* - *General* tab.

Field Name	Description
User Group Number	The user group's unique identifying number on the system. This is a unique number between 1 and 250. A default unique value is assigned when a new record is created. If you want to edit this value, it must be changed before the user group record is saved for the first time.
User Group Name	The user group's name. This is a mandatory field. The name may be up to 32 characters in length.
Elevator Group	This feature is disabled.





Field Name	Description
PIN	The PIN code for users in this group if they have not been assigned an individual user PIN. PINs must be unique for user groups. For more information on PINs, see <u>About PINs (see page 67)</u> .
	Note: PINs only need to be assigned for systems requiring Card & PIN usage.
	The user group's current PIN is not displayed for security reasons.
	You can delete or reset a user group's PIN here.
	To delete a PIN, click the X at the right of the record.
	To reset a PIN, either enter a PIN in this field, or click Random to generate a random and unique PIN. Take note of the new PIN. The PIN is only displayed until you click Save , then it is hidden.
Enabled	If this check box is selected, the user group is enabled on the system; if not, it is disabled.





4.1.5.5 User Group Details - Access Rights Tab

This tab shows the access rights for users in this User Group. Up to 8 combinations of Door Group and Time Zone can be assigned for each User Group.

Users can only access each specified door group when the corresponding time zone is active.

See Also

About Door Groups (see page 92)

About Time Zones (see page 102)

4.1.5.6 User Group Details - Options Tab

The following table describes the data that appears on the *User Group Details* - *Options* tab.

To enable any of these options for the current user group, select the check box for that option. To disable an option, de-select the check box.

Field Name	Description
Toggle Relay	This option causes the relay to toggle whenever a user in this group is granted access. If the door was in its normal state, it is unlocked, and the green reader LED will flash. The door relay is held open so users have free access. If the door was already unlocked, then it is returned to normal operation. Note: A different setting on the <u>User Details - Options Tab</u> (see page 79) overrides the setting at group level.
Activate OP2	This option causes the local OP2 output to be fired for a predetermined period of time whenever a user in this group is granted access. Note: A different setting on the <u>User Details - Options Tab</u> (see page 79) overrides the setting at group level.





Field Name	Description
Activate OP3	This option causes the local OP3 output to be fired for a predetermined period of time whenever a user in this group is granted access.
	Note: A different setting on the <u>User Details - Options Tab</u> (see page 79) overrides the setting at group level.
Tracking Bypass	This option allows tracking functions to be bypassed for users in this group. This means that anti-passback & user-limiting functions do not apply to users in this group.





4.1.5.7 Group Details - Anti-passback Tab

The anti-passback feature is designed to stop users giving their cards to other users seeking to gain access to an area. It does this by requiring users to exit an area before re-entry is granted.

When a user is granted access through a timed anti-passback door, then the user will not be granted access again, until either:

- the anti-passback time period expires
 - or
- the user exits.

The anti-passback period can be set from 0 days, 0 hours and 0 minutes, up to 7 days, 23 hours and 59 minutes. The anti-passback period has resolution of one minute.

To disable anti-passback, set the time to 0 days, 0 hours 0 minutes.

To enable anti-passback, set the time to any other value in the allowed range.

Timed anti-passback only functions on doors which are configured as timed antipassback doors.

4.1.5.8 User Group Details - Area Limits Tab

User Group Area Limits allow you to restrict how many users from a user group can access a defined area at one time. This may be useful, for example, to restrict access to a car park according to the number of available parking spaces.

The User Group limit should be lower than the overall area limit. Once the group limit is reached, no more users from that group can enter the area until a member of the group leaves. Users from other groups may still enter the area until the overall area limit is reached.

Areas are defined by assigning a door group under <u>Settings - Area Limits Tab</u> (see page 132). When a valid user enters one of the doors in the door group, the count increments. The count is decremented when a card holder leaves through one of the doors in the door group. When a limit is reached, access is denied to the next user who tries to access the area.





Notes:

- Entry and Exit readers are required on the doors for this feature to work.
- Only users explicitly entering and exiting with their cards can be counted.

4.1.6 Door Groups

4.1.6.1 About Door Groups

Door groups are a convenient way of grouping a number of doors to simplify granting/denying access to that group of doors.

See Also

Door Groups Screen (see page 93)

Door Group Details Screen (see page 93)

Add Door Group Screen (see page 95)





4.1.6.2 Door Groups Screen

The **Manage - Door Groups** screen shows a list of all the door groups configured on the system. "All Doors" is the default Door Group.

Field Name	Description
No	The unique number that identifies this door group on the system. (Sortable.)
Name	The door group's name. Click to view full details for this user on the <u>Door Group Details Screen (see page 93)</u> . (Sortable.)
Number of Doors	The number of doors in the group. (Sortable.)

Click **Add Door Group** at the top of this page to open a blank <u>Door Group Details</u> <u>screen</u> (see page 93) from which you can add a new door group.

Select the check box for one or more door groups in the list area and click **Delete Door Group** at the bottom of the screen to delete the selected door group(s).

4.1.6.3 Door Group Details Screen

The *Door Group Details* screen has two tabs showing different settings for the selected door group. For more information on these tabs, click the links below.

 General tab. For more information, see <u>Door Group Details - General Tab</u> (see page 94).

Click **Add Door Group** at the bottom of this page to open a blank *Door Group Details* screen from which you can add a new user group.





4.1.6.4 Door Group Details - General Tab

The following table describes the data that appears on the *Door Group Details* - *General* tab.

Field Name	Description
Door Group Number	The door group's unique identifying number on the system.
	A default unique value is assigned when a new record is created. If you want to edit this value, it must be changed before the door group record is saved for the first time.
Door Group Name	The door group's name.
Available Doors	This list shows all doors available to be added to this door group. Click a door name to view details of that door on the <u>Door Details</u> <u>screen (see page 97).</u>
	To add a door to the <i>Doors in Group</i> list, select the door in this list, then click the right-arrow (
	To add all doors, click the double-right-arrow (>>>>).
	Note: The right-arrow is disabled () until you have selected a door.
Doors in Group	This list shows the doors in this door group. Click a door name to view details of that door on the <u>Door Details screen (see page 97)</u> .
	To remove a door, select it in the <i>Doors in Group</i> list and click the left- arrow (
	To remove all doors, click the double-left-arrow (





4.1.6.5 Add Door Group Screen

This wizard allows you to add a door group to the system by following these steps:

- Step 1: Door Group Details. Enter a *Door Group Name* and click Next.
- Step 2: Assign Doors. Select the doors you want to add to the group from

the Available Doors list and click the right-arrow () to add them to the Doors in Group list. You can use the Search field at the top of the list to locate a particular door if you know its name. When you have added all required doors, click **Next**.

• Step 3: Results. A summary of the door group you created is shown. Click Finish.

4.1.7 Doors

4.1.7.1 About Doors

Doors are physical gateways linked to controllers, such as doors, gates, or turnstiles.

PLUS Manage allows you to view a list of all doors configured on the PLUS Grid system and to configure certain, limited properties for those doors. Adding and managing doors is mainly done through PLUS Hardware. For more information, see <u>About PLUS Hardware (see page 133)</u>.

See Also

Doors Screen (see page 134)

Door Details Screen (see page 135)





4.1.7.2 Doors Screen

The *Doors* screen shows a list of doors configured on the system.

Field Name	Description
No	The unique number that identifies this door on the system. (Sortable.)
Name	The door's name. Click to view full details for this user on the <u>Door</u> <u>Details Screen (see page 97). (Sortable.)</u>
Enabled	A green check-mark is displayed for doors that are enabled (Sortable.)





4.1.7.3 Door Details Screen

The *Door Details* screen has a number of tabs showing different settings for the selected door. For more information on these tabs, click the links below.

- General tab. For more information, see <u>Door Details General Tab</u> (see page 97).
- Door Groups tab. For more information, see <u>Door Details Door Groups Tab</u> (see page 98).
- Actions tab. For more information, see <u>Door Details Actions Tab</u> (see page 98).
- Reporting tab. For more information, see <u>Door Details Reporting Tab</u> (see page 100).

4.1.7.4 Door Details - General Tab

The following table describes the data that appears on the *Door Details - General* tab.

Field Name	Description
Door Number	The door's unique identifying number on the system.
Door Name	The door's name.
Relay Timer	How long in seconds the door relay is activated in response to a valid card or to operation of the request-to-exit (egress) switch.
Door Ajar Timer	How long in seconds the door may remain open before a door ajar condition occurs.





4.1.7.5 Door Details - Door Groups Tab

The *Door Details - Door Groups* tab shows which door groups the current door belongs to.

The *Available Door Groups* list shows a list of door groups to which the current door does not belong, and the *Door member of* list shows the door groups to which they do belong. Click a door group name to view details of that door group on the <u>Door</u> <u>Group Details screen</u> (see page 93).

To add the door to a door group, select the required group in the *Available Door*

Groups list, then click the right-arrow (**P**).

To remove the door from a door group, select the required group in the Door

member of list, then click the left-arrow (\checkmark).

4.1.7.6 Door Details - Actions Tab

Actions are settings automatically applied by a door controller at specified times without the need for user intervention. They may be used to control external devices via the controller outputs, or to alter the security level of a door at certain times. Each action may be inactive (default) or have any defined time zone assigned.

The following table describes the data that appears on the *Door Details - Actions* tab.

For each available action, select a time zone from the corresponding drop-down list to determine when the action applies for this door.

Field Name	Description
Unlock Door	The time zone assigned to this action determines when the door is automatically unlocked. When a door is unlocked, users have free access without needing to swipe a card. The door relay is held open for this time, and the green reader LED will flash.
Lock Door	The time zone assigned to this action determines when the door is automatically locked. When a door is locked, all users will be denied access irrespective of their programmed access rights. The door relay is held closed for this time, and the red reader LED will flash.





Field Name	Description
PIN Required	The time zone assigned to this action determines when Card and PIN operation is in force on the door. When a card is presented during this time, a valid user or group PIN must be entered to gain access.
Any Card	The time zone assigned to this action determines when <i>any</i> proximity/magnetic stripe card will be allowed access. The only check performed is that a card is presented: the format is irrelevant. Example: This could be used to allow access to a bank ATM lobby to anybody with a magnetic stripe card.
OP2 Active	The time zone assigned to this action determines when the OP2 output is active. This could be used to control an externally connected device.
OP3 Active	The time zone assigned to this action determines when the OP3 output is active. This could be used to control an externally connected device.
AUX Active	The time zone assigned to this action determines when the AUX output is active. This could be used to control an externally connected device.
PIN Only	The time zone assigned to this action determines when PIN Only operation is in force for the door. During this time, all card swipes will be ignored, and a valid user PIN must be entered to gain access.
PIN or Card	The time zone assigned to this action determines when either a valid PIN or Card operation is required to gain entry. During this time, any valid card or PIN must be entered to gain access.





Field Name	Description
Twin Users	The time zone assigned to this action determines when two valid cards must be presented to gain access. This is typically used in high security applications where two people must be in the room at the same time.
Normalize Doors	The time zone assigned to this action determines when the door is normalized. That is, the door returns to its default state.

See Also

<u>About Timezones (see page 102)</u>

4.1.7.7 Door Details - Reporting Tab

Selections on this tab determine which additional events are logged to the door controller's system event log.

The following table describes the data that appears on the *Door Details - Reporting* tab.

Field Name	Description
Alarms	
Door Ajar	A door ajar event is logged if the door has been open for longer than a predetermined period of time.
Door Forced	A door forced event is logged if the door is opened without being explicitly commanded to open by the controller. This would typically occur if the locking mechanism is bypassed or if the door is physically forced open.
Door Tamper	A door tamper event is logged if the door is tampered with, that is, if the door station or controller is opened.





Field Name	Description
Mains Fault	A mains fault event is logged if the mains supply fails. This should be ticked for any doors with a monitored power supply.
Read Error	A read error event is logged when an incorrect read occurs on an entry or exit reader. An additional error number may be displayed giving further details on the error.
Door Status	
Exit Button Used	An exit granted (push button) event is logged when a user presses the request-to-exit (egress) switch.
Door Opened	A door opened event is logged when the door is physically opened.
Door Closed	A door closed event is logged when the door is physically closed.
Door Contact	A door opened/closed event is logged when the door contact changes.





4.1.8 Time zones

4.1.8.1 About Time zones

A time zone consists of up to 8 time periods. Each period specifies a time range and the days and holidays for which the period is valid. The time zone is valid when any of its periods are valid.

Time zones are used to specify when a user/group's access rights are valid.

See Also

<u>Time Zones Screen (</u>see page 102)

Time Zone Details Screen (see page 103)

<u>About Holidays (</u>see page 104)

<u>User Group Details - Access Rights Tab (see page 89)</u>

4.1.8.2 Time Zones Screen

The *Time Zones* screen shows a list of time zones configured on the system.

Field Name	Description
No	The unique number that identifies this time zone on the system. (Sortable.)
Name	The time zone's name. Click to view full details for this time zone on the <u>Time Zone Details Screen (see page 103)</u> . (Sortable.)





Field Name	Description
Active	A green clock icon indicates that the time zone is currently active. (Sortable.)
Times and Days	A summary of the times and days for which this time zone applies.

4.1.8.3 Time Zone Details Screen

The *Time Zone Details* screen has two tabs showing different settings for the selected time zone. For more information on these tabs, click the links below.

General tab. For more information, see <u>Time Zone Details - General Tab</u> (see page 103).

4.1.8.4 Time Zone Details - General Tab

The following table describes the data that appears on the *Time Zone Details* - *General* tab.

Field Name	Description
Time zone Number	The time zone's unique identifying number on the system. This is a unique number between 1 and 255 (Timezone 255 is reserved for 24 Hours access for all days).
	A default unique value is assigned when a new record is created. If you want to edit this value, it must be changed before the time zone record is saved for the first time.
Time zone Name	The time zone's name.
Times	The lower part of this tab shows a list of the Times/Days combinations when this time zone is active.





Field Name	Description
Days	To specify a Times/Days combination, select a row, and in the fields below specify the corresponding Period (From and To times), and select the Days and Holidays.
	The time zone is valid during any of the specified Times/Days combinations.

See Also

<u>Settings - Holiday Names Tab (</u>see page 132)

4.1.9 Holidays

4.1.9.1 About Holidays

Holidays are special days during the year that can change how timezones operate.

PLUS Manage allows you to specify 9 holiday types. Time zones, used when specifying valid times for access rights and door actions, can be configured to include days of a particular holiday type.

For user access to be allowed on holiday days, the holiday type must be included in the time zones used when defining a user or group's access rights.

For a door action to occur on a holiday, the holiday type must be included in the time zone used when specifying the door action.

Example: A *Lock Door* action may be set up to occur on a particular holiday date. To configure this:

- 1. Assign the date to a holiday type. (See <u>Holidays Screen</u> (see page 105).)
- 2. Assign the holiday type to a timezone. (See <u>Time Zone Details General Tab</u> (see page 103).)





3. Assign the timezone to the Lock Door action for the relevant door. (See <u>Door</u> <u>Details - Actions Tab</u> (see page 98).)

The door will now lock on this particular date.

Note: Each day can only have one assigned holiday type in PLUS Grid.

See Also

About Timezones (see page 102)

<u>User Group Details - Access Rights Tab (see page 89)</u>

Door Details - Actions Tab (see page 98)

4.1.9.2 Holidays Screen

This screen shows a 12 month calendar starting at the current month, and a list of color-coded holiday types.

The current date is selected by default.

Dates flagged as holidays are highlighted in the corresponding holiday type color.

To assign or change the holiday type for any date, select that date and click the *None* radio button to remove an assigned holiday type, or click the radio button for a holiday type to assign that type. Only one holiday type may be assigned to each date.

Note: Adding a holiday for a specific day/month combination leaves that holiday for that date in the system for each subsequent year. You should periodically review your holidays, for instance moving bank holidays.

See Also

<u>Settings - Holiday Names Tab (</u>see page 132)





4.1.10 DB Users

4.1.10.1 About DB Users

DB Users allow you to configure operators of PLUS Grid software, and assign them access to particular data and functions when using the software. Only Administrators can view or change DB Users.

See Also

DB Users Screen (see page 106)

DB User Details Screen (see page 107)

4.1.10.2 DB Users Screen

The DB Users screen shows a list of operators configured on the system.

Field Name	Description
No	The unique number that identifies this operator on the system. (Sortable.)
Name	The operator's name. Click to view full details for this operator on the <u>DB User Details Screen (see page 107)</u> . (Sortable.)
Role	The operator's role. This determines which functions they can use and what data they can see. (Sortable.)

Click **Add DB User** at the top of this page to open a blank <u>DB User Details screen</u> (see page 107) from which you can add a new operator.

Select the check box for one or more operators in the list area and click **Delete DB User** at the bottom of the screen to delete the selected operator(s).





4.1.10.3 DB User Details Screen

The *DB User Details* screen has two tabs showing different settings for the selected operator. For more information on these tabs, click the links below.

General tab. For more information, see <u>DB User Details - General Tab</u> (see page 107).

Click **Add DB User** at the bottom of this page to open a blank DB User Details screen from which you can add a new operator.

4.1.10.4 DB User Details - General Tab

The following table describes the data that appears on the *DB User Details - General* tab.

Field Name	Description
Number	The operator's unique identifying number on the system.
	A default unique value is assigned when a new record is created. If you want to edit this value, it must be changed before the operator record is saved for the first time.
Name	The operator's name.
Role	The role assigned to the operator. Roles are pre-defined combinations of rights to access functions and data. The <i>Allow</i> and <i>Database access</i> areas on this screen reflect the rights for the selected role.
	Custom indicates a combination of rights that was customized for the operator.
Application	When you select the <i>Custom</i> role only, these selections become available. These are a convenient shortcut to allow you to assign the rights necessary for an operator to use the corresponding client. Selecting a client will over-write existing rights for the user.





Field Name	Description
Allow	Which PLUS Grid functions the operator should have access to.
Database Access	The type of access the operator has to each data type in the PLUS Grid database.
	<i>Full</i> means Read and Write access; <i>RO</i> means Read Only access; <i>None</i> means no access.

4.1.10.5 Change Password Screen

To change an operator/DB user's password, click **Change Password** on the <u>DB</u> <u>User Details - General Tab</u> (see page 107), and on the *Change Password* screen enter and confirm the new password then click **Save**.




4.1.11 Cards

4.1.11.1 About Cards

Cards are physical items presented to door readers by users in order to authenticate themselves and gain access according to their access rights.

Note: The **Card Editor** option on this menu launches the Card Editor which allows you to design the appearance of cards.

See Also

Extra Cards Screen (see page 109)

<u>Report Lost Screen (see page 110)</u>

4.1.11.2 Extra Cards Screen

The following table describes the fields that appear on the Extra Cards screen.

Field Name	Description
Card Type	Select the type of card you want to add.
First Card	To create a range of extra cards, enter the number of the first card here.
Last Card	To create a range of extra cards, enter the number of the last card here.
First User	Click Find User to find the first available user number from which a sufficiently long sequence of free user numbers exists to assign the extra cards sequentially.
Default User Group	To set the default user group of users created during this operation, select the user group here.

Click **Add Cards** to create a list of users and assigned cards according to your settings.





A summary screen shows a list of users to be created based on your settings. You can modify the first name, last name, group and enabled status for each user here before clicking **Save** to create them on the system.

Note: The users are *not* created on the system *until* you click **Save** on the results screen.

4.1.11.3 Report Lost Screen

This screen allows you to disable, or reset the validity for, a user's cards if they report them as lost/stolen.

The following table describes the search fields available on the *Report Lost* screen.

See below for information on the data in each of the <u>columns on the *Report Lost*</u> <u>screen search results area (see page 175)</u>.

Field Name	Description
Search	Enter all or part of the registered name for the user whose cards you want to view and click the Search icon (^{>}). A list of matching records is displayed in the <i>Search Results</i> area.
	Example: Searching for "Ann" might show results for " Ann -Marie Boyle", "Jo ann e Murphy", and "Joseph H ann ".





Field Name	Description
Advanced. C	lick Advanced to see the following additional search fields.
By Card Number	Select this option to search for a record using the number of the user's card.
	Enter the card number in the corresponding field and press Return .
	Only cards that match the number exactly are returned in the search results.
By User	Select this option to search for a record using details of the user who owns the card.
	Enter all or part of the user's <i>First Name</i> , <i>Last Name</i> , or <i>User Number</i> , then press Return .
	Partial matches are returned for first name and last name, as with the default <i>Search</i> field.
	If you specify a user number, only the user that matches the number exactly is returned in the search results.





The following table describes each of the columns on the *Report Lost* screen search results area.

Column Name	Description
No	The unique number that identifies this user on the system. (Sortable.)
User	The user's name. Click to view full details for this user on the <u>User</u> <u>Details screen (</u> see page 75). (Sortable.)
Enabled	A green check-mark is displayed for accounts that are enabled. If an account is enabled, the user's card/PIN is operative, though usage may be restricted by a validity period, if set. If an account is disabled, the user's card/PIN will not work. An account must be both enabled <i>and</i> valid for the user's card/PIN to work.
Expiration	When the user's account is set to expire.
OneToOne	The number of the user's One-To-One card, if they have one.
Card 3	The number of the user's third card, if they have one.





4.1.12 Tools

4.1.12.1 System Synchronize Screen

The System Synchronize Wizard allows you to download the entire database to one or more controllers. Synchronizing controllers means that all data entered on the controller directly via the web server will be lost. Controllers remain offline during downloads, meaning that they cannot be commanded during this time, nor will they report events. Remote Door stations will have limited functionality during the download. You should only do a download if you are entirely sure it is required.

Follow the on-screen instructions, clicking **Next** between steps and **Finish** at the end.

- Step 1: Controllers. This screen indicates whether each controller is up to date or not. Select which controllers you want to download to.
- **Step 2: Downloading.** The progress bar shows the overall progress of the system synchronization. The message area shows information for each controller.
- Step 3: Results. The results of the synchronization operation are shown: the number of controllers updated and their current statuses.

4.1.13 Reports

4.1.13.1 About Reports

PLUS Manage allows you to generate a number of reports on PLUS Grid data according to specific criteria. This section describes the report types available.

See Also

<u>User List Screen (see page 114)</u>

<u>Card Expiry Screen (see page 117)</u>

User Tracking Screen (see page 120)

Audit Trail Screen (see page 122)

Event Analysis Screen (see page 124)





4.1.13.2 User List Screen

The *User List* report is accessed through the **Reports - User List** menu item in PLUS Manage.

See below for descriptions of:

- <u>The Simple and Advanced search fields available on the User List screen.</u> (see page 114)
- The columns on the User List screen search results area. (see page 116)

Search Fields

Field Name	Description
Simple Tab F	filter
Users	Select criteria for users to report on by choosing from one of the following options and entering additional information in any fields that appear:
	• All - all users.
	• With Access to Door - select a particular door.
	• Belonging to User Group - select a particular user group.
Advanced Ta	ıb Filter
Only Enabled Users	Select to report on enabled users only.





Field Name	Description
Users	Select criteria for users to report on by choosing from one of the following options and entering additional information in any fields that appear:
	• All - all users.
	 With Access to Door - select a particular door.
	 Belonging to User Group - select a particular user group.
	 Range - specify a range of user numbers to report on.
	 User Details - select any user details field type to search on and specify all or part of the required value for that field.
Show	Select whether to show the user's photo in the first column of the search results, and what information to show in the last two columns of the search results.

Click **Generate** to generate a report according to your search criteria.





Results

The following table describes each of the columns on the *User List* screen search results area.

Column Name	Description
Photo	This column only appears if <i>Show photo</i> is selected in the <i>Advanced</i> search criteria. It shows a small version of the user's photo.
No.	The unique number that identifies this user on the system. (Sortable.)
User	The user's name. (Sortable.)
	Click a user's name to view the user's profile on the <u>User Details</u>
	screen (see page 75). Click the Back icon () at the top of the User Details screen to return to the Users screen.
Enabled	A green check-mark is displayed for accounts that are enabled.
Group	The group this user is a member of. Click to view full details for this group on the <u>User Group Details Screen</u> (see page 86). (Sortable.)
Card number	The user's One-to-One card number.
	You can change which card number is shown using the <i>Advanced</i> search settings.
Last column	The default value displayed in the last column is determined by the Optional Column setting on the <u>Settings - General Tab</u> (see page 129), but you can change which user field value is shown using the <i>Advanced</i> search settings.





4.1.13.3 Card Expiry Screen

The *Card Expiry* report is accessed through the **Reports - Card Expiry** menu item in PLUS Manage.

See below for descriptions of:

- <u>The Simple and Advanced search fields available on the Card Expiry screen.</u> (see page 117)
- The columns on the Card Expiry screen search results area. (see page 119)

Search Fields

Field Name	Description
Simple Tab F	Filter
Users	Select criteria for users to report on by choosing from one of the following options and entering additional information in any fields that appear:
	• All - all users.
	 With Access to Door - select a particular door.
	 Belonging to User Group - select a particular user group.
Expiry In	Select criteria for users to report on by choosing from one of the following options and entering additional information in any fields that appear:
	• 1 Week - select to view accounts expiring in the next week.
	 Number of Days - specify a number of days.
	On Date - specify a particular date.





Field Name	Description
Advanced Ta	ab Filter
Users	 Select criteria for users to report on by choosing from one of the following options and entering additional information in any fields that appear: <i>All</i> - all users. <i>Users With Access to Door</i> - select a particular door. <i>Belonging to Group</i> - select a particular user group. <i>Range</i> - specify a range of user numbers to report on.
Expiry In	 Select criteria for users to report on by choosing from one of the following options and entering additional information in any fields that appear: <i>1 Week</i> - select to view accounts expiring in the next week. <i>2 Weeks</i> - select to view accounts expiring in the next 2 week. <i>3 Weeks</i> - select to view accounts expiring in the next 3 week. <i>4 Weeks</i> - select to view accounts expiring in the next 4 week. <i>Number of Days</i> - specify a number of days. <i>On Date</i> - specify a particular date.

Click **Generate** to generate a report according to your search criteria.





Results

The following table describes each of the columns on the *Card Expiry* screen search results area.

Column Name	Description
No.	The unique number that identifies this user on the system. (Sortable.)
User	The user's name. Click to view full details for this user on the <u>User</u> <u>Details screen (see page 75). (Sortable.)</u>
Enabled	A green check-mark is displayed for accounts that are enabled. (Sortable.)
Group	The group this user is a member of. Click to view full details for this group on the <u>User Group Details Screen (see page 86)</u> . (Sortable.)
Valid From	The date the user's account is valid from. (Sortable.)
Expiry Date	The date the user's account expires. (Sortable.)
Expired	Whether the user's account is expired. (Sortable.)





4.1.13.4 User Tracking

The *User Tracking* report is accessed through the **Reports - User Tracking** menu item in PLUS Manage.

See below for descriptions of:

- The *Simple* and *Advanced* search fields available on the *User Tracking* screen. (see page 120)
- <u>The columns on the *User Tracking* screen search results area.</u> (see page 121)

Search Fields

Field Name	Description	
Simple Tab F	filter	
Report	Select whether to generate a <i>Muster</i> report (all users currently on site), or an <i>Absentee List</i> report (users not on site).	
Time	Select whether to generate the report for <i>Today</i> or a <i>Custom</i> time period.	
Advanced Tab Filter		
Report	Select the report type to generate.	
Doors	Select a door type or group to report on.	
Users	Select whether to report on all users, users in a particular group, or users with Monitor User set on the <u>User Details - Options Tab</u> (see page 79).	
Options	Select whether to show the user's photo in the first column of the search results, whether to report on enabled users only, and what information to show in the last column of the search results for all reports except the Absentee List.	





Field Name	Description
Time	Specify the time period to report for.

Click **Generate** to generate a report according to your search criteria.

Results

The following table describes each of the columns on the *User Tracking* screen search results area.

Note: Results on the current results page only may be sorted.

Column Name	Description
Photo	This column only appears if <i>Show photo</i> is selected in the <i>Advanced</i> search criteria. It shows a small version of the user's photo.
Time	The event time.
Event	The event type.
Location	The event location.
User Name	The user's name. Click to view full details for this user on the <u>User</u> <u>Details screen (see page 75)</u> .
Last Column	This column appears for all reports except for <i>Absentee List</i> . The default value displayed in the last column is determined by the <i>Optional Column</i> setting on the <u>Settings - General Tab</u> (see page 129), but you can change which user field value is shown using the <i>Advanced</i> search settings.





4.1.13.5 Audit Trail

The *Audit Trail* report is accessed through the **Reports - Audit Trail** menu item in PLUS Manage.

See below for descriptions of:

- The search fields available on the *Audit Trail* screen. (see page 122)
- The columns on the Audit Trail screen search results area. (see page 123)

Search Fields

Field Name	Description
Time	Select whether to generate the report for <i>Today, This Week, This Month</i> or a <i>Custom</i> time period.
Select database user	Select the database user (Operator) to report on.
Show audit trail events	Select which events to include in the report.

Click **Generate** to generate a report according to your search criteria.





Results

The following table describes each of the columns on the *Audit Trail* screen search results area.

Column Name	Description
Time	The event time.
User	The Operator name. Click to view full details for this operator on the <u>DB User Details Screen (</u> see page 107).
Event	The event type.
Details	Details related to the event, for example the particular record edited if the event was <i>Record modified</i> .
User or record name	The name of the record modified.





4.1.13.6 Event Analysis

The *Event Analysis* report is accessed through the **Reports - Event Analysis** menu item in PLUS Manage.

See below for descriptions of:

- The Simple and Advanced search fields available on the Event Analysis screen. (see page 124)
- <u>The columns on the *Event Analysis* screen search results area.</u> (see page 125)

Search Fields

Field Name	Description
Simple Tab F	filter
Users	Select <i>All</i> to report on all users, or <i>Single</i> to open the user lookup screen where you can select a particular user to report on.
Time	Select whether to generate the report for <i>Today</i> , a particular time (<i>Spot Check</i>) or a <i>Custom</i> time period. A <i>Spot Check</i> report includes a time period either side of the specified time - this is specified by the <i>Spot interval</i> value on the <u>Settings - General Tab</u> (see page 129).
Advanced Tab Filter	
Events	Select the event types to include in the report.
Users	Select <i>All</i> to report on all users, users <i>Belonging to User Group</i> to report on users in a selected User Group only, or <i>Single</i> to open the user lookup screen where you can select a particular user to report on.





Field Name	Description
Doors	Select <i>All</i> to report on all doors, <i>Single</i> to report on one particular door, or <i>Belonging to Door Group</i> to report on all doors in a particular door group.
Time	Select whether to generate the report for <i>Today, This Week, This</i> <i>Month,</i> a particular time (<i>Spot Check</i>) or a <i>Custom</i> time period. A <i>Spot</i> <i>Check</i> report includes a time period either side of the specified time - this is specified by the <i>Spot interval</i> value on the <u>Settings - General</u> <u>Tab</u> (see page 129).

Click **Generate** to generate a report according to your search criteria.

Results

The following table describes each of the columns on the *User Tracking* screen search results area.

Column Name	Description
Time	The event time. (Sortable.)
Event	The event type. (Sortable.)
Location	The event location. (Sortable.)
Details	Details for the event. (Sortable.)





4.1.13.7 Validate Users Screen

The *Validate Users* report is accessed through the **Reports - Validate Users** menu item in PLUS Manage.

The Validate Users screen allows you to:

- Search for users whose validity period has expired, or will soon expire.
- Search for inactive users, whose cards have not been recently used. Inactive users may have lost their cards, or no longer be in the relevant company or organisation.

Once you have identified the user(s) of interest, select one or more users and click the relevant button at the bottom of the screen to delete, enable or disable their accounts, or to edit their validity period (see Change Validity Screen).

See below for descriptions of:

- The Simple and Advanced search fields available on the Validate Users screen. (see page 126)
- <u>The columns on the Validate Users screen search results area.</u> (see page 127)

Search Fields

Field Name	Description
Search	Enter all or part of the registered name for the user whose record you want to view and click the Search icon (\checkmark). A list of matching records is displayed in the <i>Search Results</i> area. Example: Searching for "Ann" might show results for " Ann -Marie Boyle", "Joanne Murphy", and "Joseph Hann".
Advanced. C criteria and cl	lick Advanced to see the following additional search fields. Specify ick Search .

To report on users with expired/expiring validity, use the *Expired*, *Expire By* and *Expire By* date fields.





Field Name	Description
To report on i	nactive users, use the <i>Inactive</i> field.
User Group	Select the group to which the user is assigned.
Expired	Select to view users who have already expired, that is, their validity period has ended.
Inactive	Select to view users who have been inactive for a period of time, and select the required time period from the corresponding drop-down list.
Expire By	Select to view users who are due to expire in a certain timeframe, and select whether that timeframe is <i>Today</i> , <i>Next Week</i> or <i>Next Month</i> from the corresponding drop-down list.
All Users	Select to view all users.
Expire By Date	Select to view users who are due to expire by a certain date, and specify that date.

Results

The following table describes each of the columns on the *Validate Users* screen search results area.

Column Name	Description
No.	The unique number that identifies this user on the system. (Sortable.)
Name	The user's name. Click to view full details for this user on the <u>User</u> <u>Details screen (see page 75). (Sortable.)</u>





Column Name	Description
Group	The group this user is a member of. Click to view full details for this group on the <u>User Group Details Screen</u> (see page 86). (Sortable.)
Enabled	A green check-mark is displayed for accounts that are enabled.
Valid From	When the user is valid from.
Valid To	When the user is valid until.
Valid	A green check-mark is displayed for accounts that are valid. A user's account is valid if either the current date and time fall within the set validity period, or if no validity period was set for the user.
Last activity	The last date and time activity was recorded for the user.

4.1.14 Settings

4.1.14.1 About Settings

The *Settings* screen allows you to configure preferred settings/values for a range of functions in PLUS Manage, such as the names of user fields and holidays, area limits and event filters.

See Also

<u>Settings Screen (see page 129)</u>





4.1.14.2 Settings Screen

The Settings screen has a number of tabs showing different settings for PLUS Manage. For more information on these tabs, click the links below.

- Settings General tab. For more information, see <u>Settings General Tab</u> (see page 129).
- Settings Doors tab. For more information, see <u>Settings Doors Tab</u> (see page 130).
- Settings User Fields tab. For more information, see <u>Settings User Fields</u> <u>Tab</u> (see page 131).
- Settings Holiday Names tab. For more information, see <u>Settings Holiday</u> <u>Names Tab</u> (see page 132).
- Settings Installer tab. For more information, see <u>Settings Installer Tab</u> (see page 133).

4.1.14.3 Settings - General Tab

The following table describes the data that appears on the Settings - General tab.

Field Name	Description
Language	The language used in the PLUS Manage interface.
Export CSV Separator	The separator character used when exporting tabular data from PLUS Manage. For more information, see <u>Exporting (see page 10)</u> .
Items Per Page	The number of items to show per page when search results are displayed. Maximum of 200.
Spot Interval	Some reports can be generated according to a spot check time. In this case, the spot interval determines the number of minutes before and after the spot check time for which data is included.





Field Name	Description
Optional Column	The default value displayed in the last column of screens showing user lists (for example <u>Users Screen (see page 72)</u> or <u>User Tracking</u> <u>Screen (see page 120)</u>) is determined by this setting.
Auto Logout Time (mins)	The number of minutes after which an Operator will be logged out of PLUS Manage if they are idle. Set to 0 to disable auto logout.

4.1.14.4 Settings - Doors Tab

The following table describes the data that appears on the Settings - Doors tab.

Field Name	Description
Fire override doors	The door group containing doors that are opened automatically via an input from the fire alarm system. In practice, this input is brought separately to each controller that is then responsible for opening any of its doors that have been defined in this group.
Anti- passback doors	The door group containing doors that are in the system's anti- passback area. Anti-passback operation is local to each controller, so if there is only one desired anti-passback area, these doors must all reside on the same controller. If the anti-passback group includes doors on more than one controller, then each controller effectively implements a separate independent area.
Auto Reset Time	If selected, then the corresponding field contains the time of the day when the anti-passback buffer is automatically reset. This ensures that users who failed to exit properly will be allowed in again. If the box is unchecked, then the anti-passback buffer must be reset manually in PLUS Monitor. For more information, see <u>Tools Screen</u> (see page 113).





Field Name	Description
Perimeter doors	The door group containing doors on the perimeter of the installation. This allows the system to keep track of which users are in or out of the installation at a given time. This information is used when generating a muster report. For more information, see <u>User Tracking</u> <u>Screen</u> (see page 120).
Timed anti- passback doors	The door group containing doors that will not re-open for the same card during the anti-passback timed period. For more information, see User Group Details - Anti-passback Tab (see page 129).
Time and Attendance doors	The door group containing doors used for recording user entrances and exits for time and attendance purposes.
Internal doors	The door group containing doors inside the perimeter of the installation. These doors deny access if the cardholder has not already entered through the perimeter or anti-passback doors.
User Limit A User Limit B	These user limits may be used to generate outputs when the number of users in an area falls below a specified minimum. If user limiting is enabled, these limits specify the maximum number of users that will be allowed in that area. The two limits operate independently. Refer to the controller output options for details.

4.1.14.5 Settings - User Fields Tab

This tab defines the labels that will appear through the system for user fields 1-10.

See Also

<u>Users Screen (</u>see page 72)

<u>User Details Screen (</u>see page 75)

<u>About Reports (see page 113)</u>





4.1.14.6 Settings - Holiday Names Tab

This tab defines the labels that will appear through the system for holiday types 1-9.

See Also

Holidays Screen (see page 105)

<u>Time Zone Details - General Tab (see page 103)</u>

4.1.14.7 Settings - Area Limits Tab

PLUS Grid supports up to 8 different counting areas. Limits on the number of users permitted in each of these areas can be specified on this screen.

Each counting area is assigned a door group. When a valid card holder enters one of the doors in the door group the area count is incremented. When the limit is reached, then access is denied. The count is decremented when a card holder leaves through one of the doors in the door group.

Notes:

- Entry and Exit readers are required on the doors for this feature to work.
- Area limits may also be set for members of a particular user group. In this case, even if the overall area limit is not reached, if the limit for the user group is reached no more members of that user group will be granted admission to the area until a group member leaves.

See Also

User Group Details - Area Limits Tab (see page 91)

4.1.14.8 Settings - Installer Tab

This tab shows the name and a brief description for the current PLUS Grid installation.





4.2 PLUS Hardware

4.2.1 About PLUS Hardware

PLUS Hardware manages the access control hardware on the system. It is used to add or update controllers and doors.

See Also

Navigating PLUS Grid Interfaces (see page 7)

PLUS Hardware Menus (see page 133)

- 4.2.2 General
- 4.2.2.1 PLUS Hardware Menus

The following menus are available in PLUS Hardware.

- System Live. For more information see <u>System Live Screen</u> (see page 136).
- QuickSetup. For more information see <u>PLUS Hardware QuickSetup</u> <u>Menu</u> (see page 134).
- Advanced Setup. For more information see <u>PLUS Hardware Advanced</u> <u>Setup Menu</u> (see page 134).
- Tools. For more information see <u>PLUS Hardware Tools Menu</u> (see page 134).
- Reports. For more information see <u>PLUS Hardware Reports Menu</u> (see page 134).
- Settings. For more information see <u>PLUS Hardware Settings Menu</u> (see page 135).
- Clients. For more information see <u>PLUS Hardware Clients Menu</u> (see page 135).





4.2.2.2 PLUS Hardware - QuickSetup Menu

The following options are available on the **PLUS Hardware - QuickSetup** menu.

- Add Controller. For more information, see Add Controller (see page 137).
- Add Door. For more information, see <u>Add Door (see page 138)</u>.

4.2.2.3 PLUS Hardware - Advanced Setup Menu

The following options are available on the PLUS Hardware - Advanced Setup menu.

- Controllers. For more information, see <u>About Controllers</u> (see page 139).
- Doors. For more information, see <u>About Doors</u> (see page 148).
- Card Configuration. This menu is not used by most IPPRo installations. To add user cards, use PLUS Manage.

4.2.2.4 PLUS Hardware - Tools Menu

The following options are available on the **PLUS Hardware - Tools** menu.

- System Synchronize. For more information, see <u>System Synchronize</u> (see page 158).
- Validation Wizard. For more information, see <u>Validation Wizard</u> (see page 158).

4.2.2.5 PLUS Hardware - Reports Menu

The following options are available on the **PLUS Hardware - Reports** menu.

- System Status. For more information, see <u>System Status</u> (see page 159).
- System Snapshot. For more information, see <u>System Snapshot</u> (see page 159).





4.2.2.6 PLUS Hardware - Settings Menu

The *Settings* screen allows you to configure preferred settings/values for a range of functions in PLUS Hardware, such as default options for controllers and doors, interface language and event filters.

See Also

<u>Settings Screen (see page 160)</u>

4.2.2.7 PLUS Hardware - Clients Menu

Click any of the client software options in the **Clients** menu to open the corresponding software module for PLUS Grid. The selected module opens in front of the current module.

You must have logon access to use each client, and which tasks you will be able to perform depends on the access rights you have been granted.

The following options are available (if you have full access rights) on the **PLUS Hardware**

- Clients menu.

- PLUS Manage. For more information, see <u>About PLUS Manage</u> (see page 67).
- PLUS SiteMaps Monitor & Editor are third-party software tools.





4.2.3 System Live Screen

This screen provides an overview of the live system.

The system tree on the left hand side of the screen allows you to view all configured controllers and their connected doors on the network. The icon for each entity indicates its status. Hover your pointer over an icon to see a popup describing the status. Right-click a controller or door in the tree structure to see a context menu with the following options:

• **Expand All** - Select to fully expand the tree structure, showing all doors connected to all controllers.

Note: You can expand the list of doors for a particular door by clicking the **I** icon to the left of the controller name.

• **Collapse All** - Select to collapse the tree structure, showing all controllers, but no connected doors.

Note: You can collapse the list of doors for a particular door by clicking the **•** icon to the left of the controller name.

- Actions Select to view a list of actions you can perform on a door: Lock, Unlock, Pass, Normalize, Switch Outputs ON, Switch Outputs OFF.
- Validate Select to validate a door, confirming whether it is connected and responding to commands. For more information, see <u>Validation Wizard</u> (see page 158).
- Details Select to view more information on the selected controller/door. For more information, see <u>Controller Details screen</u> (see page 141) or <u>Door</u> <u>Details screen</u> (see page 150).

The **View Options** drop-down menu at the top right of the screen also allows you to filter what information is displayed in the tree structure.

- To view one or more of *Controllers* and *Doors* select the appropriate boxes under **View Options I View**.
- To view only those doors reporting problems, click View Options I View I Problem Hardware. Examples of possible problems are tampering detected, low battery, or the glass on a Break Glass Station is broken.
- Note: You cannot view **Problem Hardware** at the same time as controllers or doors.





Other links at the top right of the screen provide quick access to the Quick Setup wizards for adding controllers and doors.

The large panel on the right-hand side of the screen shows live information on events occurring across the system. For each event, the time, location, event type and details are shown.

Click the **Pause** button at the bottom of the screen to pause the stream of events being displayed. This allows you to examine the details of one or more events currently on screen without them scrolling out of view.

Quick setup buttons at the top of the screen provide easy access to the *Add Controller* or *Add Door* wizards.

See Also

Add Controller (see page 137)

Add Door (see page 138)

4.2.4 QuickSetup

4.2.4.1 About QuickSetup

The QuickSetup menu contains links to a number of wizards which take you through the setup of common components step by step.

The following wizards are available here:

- Add Controller (see page 137)
- <u>Add Door (see page 138)</u>

4.2.4.2 Add Controller

Follow the wizard's onscreen instructions to add and configure a new controller, clicking **Next** in the bottom right of the screen after each step and **Finish** at the end.

You can edit the controller settings later through the <u>Controller Details Screen</u> (see page 141).





4.2.4.3 Add Door

Follow the wizard's onscreen instructions to add and configure a new door, clicking **Next** in the bottom right of the screen after each step and **Finish** at the end.

You can edit the controller settings later through the <u>Door Details Screen</u> (see page 150).

4.2.5 Advanced Setup

4.2.5.1 About Advanced Setup

Advanced Setup allows you to configure new controllers and doors without using the Wizards provided. You can also edit existing controllers and doors. More settings are available through the *Advanced Setup* screens than through the Wizard.

See Also

About Controllers (see page 139)

<u>About Doors (see page 148)</u>





4.2.5.2 Controllers

About Controllers

A controller is a device which stores card details and provides managed access for one or more doors. PLUS Hardware allows you to configure controller properties, and to specify which doors are connected to that controller.

See Also

<u>Controllers Screen (see page 139)</u>

Controller Details Screen (see page 141)

Controllers Screen

The following table describes the search fields and results columns on the *Controllers* screen.

Field Name	Description
Search	Enter all or part of the name of the controller you want to view and click the Search icon (\checkmark). A list of matching records is displayed in the <i>Search Results</i> area.
Advanced	Click Advanced to search for a controller by number and/or name. If you specify a <i>Controller Number</i> , an exact match is returned. If you specify a <i>Controller Name</i> , partial matches are returned.
No.	The unique number that identifies this controller on the system. (Sortable.)





Field Name	Description
Controller Name	The controller's name. Click to view full details for this controller on the <u>Controller Details Screen</u> (see page 141). (Sortable.)
Controller Type	The controller type.
Firmware	The firmware version on the controller (where available).
Comms	The IP address or NetBios name of the controller.
MAC Address	The MAC address of the controller.
Status	The controller status. Hover your pointer over the icon to see the status in a popup.
Doors	The number of doors connected to the controller, including the controller. Click to view a list of the connected doors on the <u>Doors</u> <u>Screen</u> (see page 149).
I/Os	Future use. The number of I/O modules connected to the controller.
Enabled	A green checkmark is displayed for controllers that are enabled.





Controller Details Screen

The *Controller Details* screen has a number of tabs showing different settings for the selected controller. For more information on these tabs, click the links below.

- General tab. For more information, see <u>Controller Details General Tab</u> (see page 142).
- Communications tab. For more information, see <u>Controller Details</u> -<u>Communications Tab</u> (see page 143).
- Doors tab. For more information, see <u>Controller Details Doors Tab</u> (see page 144).
- Output Options tab. For more information, see <u>Controller Details Output</u> <u>Options Tab</u> (see page 145).
- Operations tab. For more information, see <u>Controller Details Operations Tab</u> (see page 147).
- Capabilities tab. For more information, see <u>Controller Details Capabilities</u> <u>Tab</u> (see page 148).
- Firmware tab. For more information, see <u>Controller Details Firmware Tab</u> (see page 148).





Controller Details - General Tab

The following table describes the data that appears on the *Controller Details* - *General* tab.

Field Name	Description
Controller Name	The controller name.
Controller Number	The controller number. This cannot be edited once the controller is first saved.
Controller Type	The controller type.
Enabled	If this check box is selected, the controller is enabled on the system; if not, it is disabled.





Controller Details - Communications Tab

The following table describes the data that appears on the *Controller Details* - *Communications* tab.

Field Name	Description
Communications	Whether the PLUS Grid server communicates directly with the controller, or communicates via another controller (hubbed).
Master	All IPDCE controllers will be connected directly to PLUS Grid
Connection Type	If you are communicating directly with the controller, the connection type is shown. • TCP/IP - Select if communicating over TCP/IP. NOTE: All IPDCE controllers will use TCP/IP.
IP Address	The IP address or NetBios name and listening port of the PLUS LAN Interface device. Port number should always be 10001.
Port	This field only appears if <i>Direct to PLUS Grid</i> is selected at <i>Communications Master</i> and <i>TCP/IP</i> is selected at <i>Connection Type</i> .





Field Name	Description
World Time Zone	Select the world time zone the controller is operating in.

Click **Test Connection** to check that there is a live connection between the database and the controller.

Controller Details - Doors Tab

The following table describes the data that appears on the *Controller Details - Doors* tab.

Field Name	Description
Address	The address of the door on the controller. This is always 1 for the IPDCE. If additional door stations are connected to the controller, they will appear below Address 1.
Name	The door's name.
Enable	If this box is selected, the door is enabled.
In DB	If this box is selected, the door details are recorded in the database. De-selecting this box deletes the door from the database when you click Save .




Controller Details - Output Options Tab

Controller output options allow the onboard OP2, OP3 and AUX outputs on a multidoor controller to perform different functions to those normally programmed by the door or user settings.

The following table describes the data that appears on the *Controller Details* – *Output Options* tab.

Field Name	Description
AUX for all doors	When this option is selected, the AUX output on door 1 operates if the AUX output for any of the doors connected to the controller is active.
OP2 = Tech Fault	When this option is selected, the AUX output on door 1 operates if a technical fault condition exists. Technical faults include mains faults, tampers or doors offline.
OP3 = Any Door Open	When this option is selected, the OP3 output on door 1 operates if any of the doors connected to the controller are open.





Field Name	Description
AUX = Users present	When this option is selected, the AUX output on door 1 operates while one or more users are within the anti-passback or perimeter area (if configured). The output activates immediately when a user enters the defined area, and de-activates when all users have exited. The deactivation of the output will be postponed by the period of time defined by the delay timer. This may be used (for example) to switch off lighting when no users are present, or to indicate to an alarm system that it is clear to arm.
OP2 = User Limit A	When this option is selected, the OP2 output on door 1 operates when the number of users within the anti-passback or perimeter area reaches or exceeds <i>User Limit A</i> specified on the <u>Settings - Doors</u> <u>Tab</u> (see page 130).
OP3 = User Limit B	When this option is selected, the OP3 output on door 1 operates when the number of users within the anti-passback or perimeter area reaches or exceeds <i>User Limit B</i> specified on the <u>Settings - Doors</u> <u>Tab</u> (see page 130).





Controller Details - Operations Tab

The following table describes the data that appears on the *Controller Details* - *Operations* tab.

Field Name	Description
General	 Web Server – If selected, the built-in web server of the IPDCE will be accessible. Deselecting this option will disable the web server.
	 Auto Daylight Savings - If selected, the controller automatically adjusts for daylight savings.
	 User Limiting - If selected, when the number of users inside the perimeter area is equal to the maximum of either User Limit A or User Limit B then the controller prevents any more users from entering. For more information, see <u>Settings -</u> <u>Doors Tab</u> (see page 130).





Controller Details - Capabilities Tab

This screen shows the hardware capabilities of the controller. For example, the number of doors it can control, the number of users it can support, and the number of I/O modules.

Controller Details - Firmware Tab

This screen shows the version of firmware currently installed on the controller.

4.2.5.3 Doors

About Doors

Doors are physical gateways linked to controllers, such as doors, gates, or turnstiles.

PLUS Hardware allows you to add doors to the system and to configure basic properties for their operation.

See Also

Doors Screen (see page 149)

Door Details Screen (see page 150)





Doors Screen

The *Doors* screen shows a list of all doors configured on the system.

The following table describes the search fields and results columns on the *Doors* screen.

Field Name	Description
No	The unique number that identifies this door on the system. (Sortable.)
Door Name	The door's name. Click to view full details for this door on the <u>Door</u> <u>Details Screen (</u> see page 150). (Sortable.)
Controller Name	The name of the controller the door is connected to. Click to view full details for this controller on the <u>Controller Details Screen</u> (see page 141). (Sortable.)
Controller	The controller number. (Sortable.)
Local Addr.	The local address for the door at the controller. (Sortable.)
Status	The door's current status. (Sortable.)
Elevator	An elevator icon is shown if the door is connected to an elevator.
Enabled	A green check-mark is displayed for doors that are enabled.





Door Details Screen

The *Door Details* screen has a number of tabs showing different settings for the selected door. For more information on these tabs, click the links below.

- General tab. For more information, see <u>Door Details General Tab</u> (see page 150).
- Timers tab. For more information, see <u>Door Details Timers Tab</u> (see page 151).
- Operations tab. For more information, see <u>Door Details Operations Tab</u> (see page 152).
- AUX Relay tab. For more information, see <u>Door Details AUX Relay Tab</u> (see page 154).
- Reporting tab. For more information, see <u>Door Details Reporting Tab</u> (see page 156).

Door Details - General Tab

The following table describes the data that appears on the *Door Details - General* tab.

Field Name	Description
Door Name	User editable door name.
Controller	The controller the door is connected to.
Local Door Number	The local door number.
Enabled	Whether the door is currently enabled.





Door Details - Timers Tab

The following table describes the data that appears on the *Door Details - Timers* tab. All times are in seconds.

Field Name	Description
Relay Timer	How long the door relay is activated in response to a valid card or to operation of the request-to-exit (egress) switch.
AUX Output	How long the AUX output is activated when it is fired.
OP2 Timer	How long the OP2 output is activated when it is fired.
OP3 Timer	How long the OP3 output is activated when it is fired.
Door Ajar Timer	How long the door may remain open before a door ajar condition occurs
Extended Relay Timer	How long the door relay is activated in response to a valid card for a user with the <i>Extended Relay</i> option. In this case, the door relay is activated for an extended period of time for users who require longer to access the door, for example, wheelchair users. For more information, see <u>User Details - Options Tab</u> (see page 79).
Tracking Delay Timer	How long the controller waits before updating the count of the number of users in the tracking area.





Door Details - Operations Tab

The following table describes the data that appears on the *Door Details - Operations* tab.

Field Name	Description
Door Exit	 Release button - If selected, the request-to-exit input is enabled. When this switch is momentarily closed, the main relay timer is activated for its programmed period of time, and a user is allowed to exit. An exit event may also be recorded in the system log.
	 Free exit – Used in entry/exit applications only. Normally, the controller applies the same group access rules to users exiting the area as it applies to users being granted access. If this option is selected, normal access rights are ignored and any enabled card can exit irrespective of time etc.
	 Exit PIN's - Normally in PIN only or PIN & card operation, codes are used only to gain entry through the door. If this option is selected, the controller requires a PIN code when exiting also.
	 Exit PIR - If selected, a Passive Infrared (PIR) device can be used in place of a traditional push button exit switch. This ensures that the door remains unlocked while the PIR is active.
Door Security	 Interlock - If selected, only one door of a connected pair may be open at any one time. The interlock output (usually OP3) of each door should be connected to the interlock input (Usually AUX) of the other door. Because this is an electrical interlock, doors on different controllers may be interlocked with each other. In this case the 0V lines of all the devices should be connected together.
	 Toggle Operation - If selected, the door can be toggled open or closed by users with the Toggle Relay option enabled. For more information, see <u>User Details - Options Tab</u> (see page 79) or <u>User Group Details - Options Tab</u> (see page 89).
	 Fail-Safe Relay - When using normally energized locking devices, there may be problems with the door remaining locked during a power outage when a stand-by battery is





Field Name	Description
	discharging. If the battery is partially depleted, the voltage may not be high enough to power the controller but may still be producing enough current to keep the solenoid energized. If this option is selected, the action of the relay is reversed so that the door will fail open in a power outage.
	 Intruder Panel - The AUX input on the door may be connected to an Intrusion Panel. When this signal is low, the controller knows the panel is armed and denies access to users.
	 Anti-tailgate - Normally when a card is swiped, the relay is activated for a pre-determined period of time. During this period, the door may be physically opened and closed any number of times as the locking mechanism is disengaged. If this option is selected, the relay time is truncated to one second when the door is opened. This means that the locking mechanism re-engages so the door cannot be reopened without swiping another card. Door Contact required.
	 Break Glass - If selected, the output relay is activated when the glass is broken on an SDC 491 Break Glass emergency station.
	 Access only - If selected, the main relay output at the access point is activated if a valid card is presented at an access reader. For an exit reader at the access point, ensure that <i>Exit</i> <i>Granted</i> is selected under <u>AUX Relay - Normal Access</u> (see page 154) to activate the AUX relay on an exit event.
	 Airlock & Bollard options are not used.
Door Buzzer	 Silent operation - Normally the door controller gives an audible success or fail indication when a card is swiped, in addition to activating the red or green indicator on the reader. If this option is selected, this audible indication is suppressed.
	 Chime - If this option is selected, the door controller's buzzer sounds momentarily when the door is opened. The buzzer (AUX) output is also activated for a short period of time.
	 Guest button - When an external keypad is being used to gain entry, this option allows the "Bell" button on the keypad to be used to momentarily activate the (AUX) output of the controller.





Door Details - AUX Relay Tab

The AUX relay is a programmable output on all door controllers. The various settings below may be enabled to determine the conditions for activating this output.

The following table describes the data that appears on the *Door Details - Relay* tab.

Field Name	Description
Alarms	The conditions under which an alarm is triggered.
	 Door forced - If selected, the output is activated if the door is opened without being explicitly commanded to open by the controller. This would typically occur if the locking mechanism is bypassed or if the door is physically forced open. It is reset when a valid card is swiped.
	 Door ajar - If selected, the output is activated if the door has been open for longer than a predetermined period of time. It is reset once the door is closed or when a valid card is swiped.
	 Access denied - If selected, the output is activated for 2 seconds if an invalid card is swiped.
	 Exit denied - If selected, the output is activated for 2 seconds if an invalid card is swiped at an exit reader.
	 Duress code used - If selected, the output is activated if a duress PIN code is entered. This is when a number 1 greater than the valid PIN is entered in PIN Only or PIN & Swipe operation.
	 Break Glass - If selected, the output relay is activated when the glass is broken on an SDC 491 Glass Break Station. It is when a valid card is swiped.





Field Name	Description
Normal Access	 The conditions under which normal access is permitted. Access granted - If selected, the output is activated if a valid card is swiped. It remains active while the door relay is active. Exit granted - If selected, the AUX relay output is activated if a valid card is presented at an exit reader. For an access reader ensure that <i>Access only</i> is selected from the <i>Operations – Door Security</i> section (see page 152) to activate the main relay on an access event. Door opened - If selected, the output is activated while the door is open. Follow main relay - If selected, while the main relay is active, the Aux relay is also active. Arm Intruder panel - If selected, the AUX relay pulses for the AUX time when a user with the arm/disarm option presents a valid card or PIN. This output must be wired into an input on the alarm panel which signals arming or disarming.





Door Details - Reporting Tab

Selections on this tab determine which additional events are logged to the door controller's system event log.

The following table describes the data that appears on the *Door Details - Reporting* tab.

Field Name	Description
Alarms	
Door Ajar	A door ajar event is logged if the door has been open for longer than a predetermined period of time.
Door Forced	A door forced event is logged if the door is opened without being explicitly commanded to open by the controller. This would typically occur if the locking mechanism is bypassed or if the door is physically forced open.
Door Tamper	A door tamper event is logged if the door is tampered with, that is, if the door station or controller is opened.
Mains Fault	A mains fault event is logged if the mains supply fails. This should be selected for any doors with a monitored power supply.
Read Error	A read error event is logged when an incorrect read occurs on an entry or exit reader. An additional error number may be displayed giving further details on the error.





Field Name	Description
Normal Access	
Exit Button Used	An exit granted (push button) event is logged when a user presses the request-to-exit (egress) switch.
Door Opened	A door opened event is logged when the door is physically opened.
Door Closed	A door closed event is logged when the door is physically closed.
Door Contact	A door opened/closed event is logged when the door contact changes.





4.2.6 Tools

4.2.6.1 System Synchronize Screen

The System Synchronize Wizard allows you to download the entire database to one or more controllers. Synchronizing controllers means that all data entered on the controller directly, via its keypad, will be lost. Controllers remain offline during downloads, meaning that they cannot be commanded during this time, nor will they report events. Door stations will have limited functionality during the download. You should only do a download if you are entirely sure it is required.

Follow the on-screen instructions, clicking **Next** between steps and **Finish** at the end.

- Step 1: Controllers. This screen indicates whether each controller is up to date or not. Select which controllers you want to download to.
- Step 2: Downloading. The progress bar shows the overall progress of the system synchronization. The message area shows information for each controller.
- Step 3: Results. The results of the synchronization operation are shown: the number of controllers updated and their current statuses.

4.2.6.2 Validation Wizard

The Validation Wizard allows installers to test selected doors, confirming whether they are connected and responding to commands. Only Controllers and Doors that are enabled and online are shown.

Follow the on-screen instructions, clicking **Next** between steps and **Finish** at the end to leave the Wizard.

- **Step 1: Select Objects.** From the tree structure, which shows a list of controllers and the doors connected to each one, select which doors to test.
- Step 2: Validation Options. Select which actions to test during validation. Options are: Door Lock, Door Unlock, Door Pass, and Door Normalize.
- Step 3: Validation. The Validation screen shows the validation progress: which doors have been validated, and whether they responded to each selected action.
- Step 4: Finish. A summary report of the validation tests appears at the end.





4.2.7 Reports

4.2.7.1 System Status

This screen provides an overview of the statuses of controllers, doors and I/O modules on the system.

This report can be printed or exported using the links at the top-right corner of the screen.

Click the arrow (I) to the left of a status type to see a list of the components with that status.

4.2.7.2 System Snapshot

This screen provides an overview of the system's operations.

The panel at the top of the screen shows a list of all controllers and doors with summary information about each device and its current status.

The panel at the bottom of the screen shows a list of recent system events, with the time and location of each event, plus summary details.

This report can be printed or exported using the links at the top-right corner of the screen.

4.2.8 Settings

4.2.8.1 About Settings

The *Settings* screen allows you to configure preferred settings/values for a range of functions in PLUS Hardware, such as default options for controllers and doors, interface language and event filters.

See Also

```
<u>Settings Screen (see page 160)</u>
```





4.2.8.2 Settings Screen

The *Settings* screen has a number of tabs showing different settings for PLUS Hardware. For more information on these tabs, click the links below.

- General tab. For more information, see <u>Settings General Tab</u> (see page 160).
- Controller Settings tab. For more information, see <u>Settings Controller</u> <u>Settings Tab</u> (see page 161).
- Installation tab. For more information, see <u>Settings Installation Tab</u> (see page 162).
- Controllers Security tab. For more information, see <u>Settings Controller's</u> <u>Security Tab</u> (see page 162).
- Default Options Door tab. For more information, see <u>Settings Default</u> <u>Options - Door Tab</u> (see page 163).
- Event Filter tab. For more information, see <u>Settings Event Filter Tab</u> (see page 164).
- Email Notification tab. For more information, see <u>Settings Email Notification</u> <u>Tab</u> (see page 164).
- Information tab. For more information, see <u>Settings Information Tab</u> (see page 166).

4.2.8.3 Settings - General Tab

The following table describes the data that appears on the Settings - General tab.

Field Name	Description
Language	The language used in the PLUS Manage interface.
Export CSV Separator	The separator character used when exporting tabular data from PLUS Hardware. For more information, see <u>Exporting</u> (see page 11).
Auto Logout Time (mins)	The number of minutes after which an idle DB user/operator is logged out.





Field Name	Description
Confirm deleting Doors in Controller Details	If selected, operators are prompted to confirm door deletion if they de-select the "In DB" box for a door on the <u>Controller Details -</u> <u>Doors Tab</u> (see page 144). This is to prevent accidental deletions.

4.2.8.4 Settings - Controller Settings Tab

The following table describes the data that appears on the *Settings - Controller Settings* tab.

Field Name	Description
General	Select <i>Allow International Characters</i> to allow international characters in the names of controllers. This should only be selected if you are connecting to controllers that correctly display European character sets. If connecting to controllers that display only English characters, leaving this box unchecked prevents unsupported characters from being entered into certain database fields.
Controller	 Specify the following controller settings: Download names - If selected, User, Door, Group and Time zone names are transmitted to controllers during a download. This allows controllers to locally display and print the correct names for logged events. On larger systems, selecting this option may significantly increase the time taken to download the database to the system (System Synchronize (see page 113)). Global PIN Only - If selected, PIN Only operation is required on the entire system. No readers are connected to the system. Global PIN & Swipe - If selected, PIN & Swipe operation is required for all doors in the system at all times. PIN & Swipe settings may also be set up individually for each door on the system.





4.2.8.5 Settings - Installation Tab

The following table describes the data that appears on the Settings - Installation tab.

Field Name	Description
Installation Name	The name of the PLUS Grid installation.
Installation Notes	A description of the installation.

4.2.8.6 Settings - Controller's Security Tab

The following table describes the data that appears on the *Settings - Controller's Security* tab in PLUS Hardware.

Field Name	Description
Transmit PIN Codes to Controller	If selected, the installer and operator PIN codes are transmitted to all controllers when downloading the database (<u>System Synchronize</u> (see page 113)). If not selected, controller PINs must be administered on an individual basis.
Installer	The PIN code required to access the Installer menu on the individual controllers. This menu is used to configure the card format and interfacing aspects of the controller. This is normally a six-digit code with a default value of 999999.
Operator	This is the PIN code required to access the User menu on the individual controllers. This menu is used to configure the access rights of users on the controller. This is normally a six digit code with a default value of 123456.





4.2.8.7 Settings - Default Options - Door Tab

This screen shows default options for new doors. These may be customized on a per-door basis.

For more information, see:

- <u>Door Details Operations tab (see page 152)</u>.
- <u>Door Details AUX Relay tab (see page 154)</u>
- <u>Door Details Timers tab (see page 151)</u>
- <u>Door Details Reporting tab (see page 156)</u>





4.2.8.8 Settings - Event Filter Tab

You may optionally specify an event filter to determine which events are recorded in the memory of individual controllers. If the filter is enabled, only selected events are recorded in the controller log.

The following table describes the data that appears on the Settings - Event Filter tab.

Field Name	Description
Enable Filter	If this check box is selected, the filter is enabled.
Events	Which events are logged for controllers.
Log Events from Group	Which door group events are logged for.

4.2.8.9 Settings - Email Notification Tab

The following table describes the data that appears on the *Settings - Email Notification* tab.

Field Name	Description
SMTP Server Settings	Specify details for the SMTP server PLUS Grid will use to send notification emails. This information can be obtained from the network administrator in charge of email services.
Email Addresses	Specify the From and To email addresses to use on notification emails.





Field Name	Description
Notification Options	 Specify details of when and how notifications should be sent. Email Header - Notifications will be sent with this subject. Email Contact - Notifications will include the name specified here. This allows you to specify that messages sent to a shared/generic email address are for the attention of a particular individual. Timezone - Notifications will be sent when this timezone is active. Alert Events - Notifications will be sent for the event types selected here.

You can test your settings work by clicking **Send Email** to send a test message to the address specified in the *Email To* field.

Click **Default** to return all email notification settings to PLUS defaults.





4.2.8.10 Settings - Information Tab

The following table describes the data that appears on the Settings - Information tab.

Field Name	Description
Client logfiles directory	Specify the full path to the directory in which log files should be saved.
PLUS Hardware logfile	Specify the full path to the PLUS Hardware log file.
PLUS Manage logfile	Specify the full path to the PLUS Manage log file.





4.3 PLUS Server Client

4.3.1 About PLUS Server Client

PLUS Server Client offers a range of tools for managing the PLUS Grid database and server. Using this application, you can stop/start the service, assign a new database, upgrade controller firmware, monitor controller communications in great detail, and perform a range of other specialized tasks. Events can be purged, users exported or imported, and simple backups can be done.

See Also

Navigating PLUS Client Interfaces (see page 7)

Live System (see page 167)

Database (see page 168)

DB Users (see page 169)

Firmware Upgrade (see page 169)

Monitoring Communications (see page 170)

4.3.2 Live System

This screen displays information about the live PLUS Grid system.

- Service This area shows information about the PLUS Grid Windows service. You can check service details and state, and stop and start the service from here. This Windows service must be running in order to use PLUS Grid. The service normally starts up automatically when the server machine reboots. You can Stop and Start the service in those exceptional cases where you need to reboot the service. (You can also use the Restart option, which stops then starts the service.) When you stop the service, all activity on clients will cease abruptly and all controllers will be disconnected from the software, so you should warn operators before stopping and restarting the service. To check which operators are currently active on the system, use the <u>DB Users</u> <u>screen</u> (see page 169).
- Server This area shows whether the PLUS Grid server is currently running. If the Windows service has been started, this should show an Up status. If it is *Down*, there is a problem. The server can be down if either the Windows hosting service has not started, or if it cannot contact a valid PLUS database.





- *Controllers* This area shows a list of registered and enabled controllers (and disabled controllers with enabled doors) and their current states. You can click the expand icon () beside a controller name to view a list of doors connected to that controller and their current states.
- *Recent Events* This area shows the time, location, event type and details for recent events (live).

4.3.3 Database

This screen displays information about the PLUS Grid database.

- Database Settings This area shows details of the current PLUS Grid database, including name, status and a summary of the data types and volumes. You can change which database is in use, or create a new database from here. You can also specify a connection string.
- *Tools* This area allows you to backup or restore an PLUS Grid database, and to export and import user details.
 - Backup You can perform a limited, emergency backup using this tool.
 Warning: This backup does not store log events, audit events, or user photographs. This backup would allow you to quickly and conveniently restore your system to some stable state before performing a large set of changes. However, it is highly recommended that backups be performed using SQL Server itself, rather than this limited tool.
 - Restore Backups taken using the Backup tool can be restored using this tool. Log events, user photographs, and audit events are not backed up, so cannot be restored.
 - **Export Users** This tool allows you to export the current set of users to a CSV (comma separated value) file. All enabled users are exported. This list of users can be later restored using the **Import Users** tool.
 - Import Users This tool allows you to restore a set of users previously exported, or to import a new set of users. You can choose to delete the existing set of users in the database or to attempt to merge the new list with the existing users. Where an imported user has the same user number as an existing user, the imported user overwrites the existing user.
 - **Export Photos** This tool allows you to export all user photographs to a folder of your choice.
 - Purge Log Events When the log events table grows large, it has a detrimental impact on system performance. It is highly recommended that you regularly purge the log events table of unwanted, legacy events. You can choose to purge all events, all but events in the last





month, all but events in the last three months, or all but events in the last six months. Purging log events can take a considerable amount of time.

4.3.4 DB Users

This screen displays information about the PLUS Grid operators (database users).

- DB Users Currently Online Displays a list of operators currently online. The particular PLUS Grid application in use is shown (for example, PLUS Manage), plus information on when the operator's logon started, activity duration, PC location and state.
 You can log an operator out by selecting the check box to the left of their name and clicking **Disconnect**. This action cancels any activity the operator is currently performing, abruptly.
- User's Recent Actions Displays information on recent activities performed by the selected operator.

4.3.5 Firmware Upgrade

Updating firmware to the latest available version from the manufacturer is highly recommended.

When you update the firmware on a controller, it shuts down normal operation for the period of the upgrade, which can take several minutes depending on the network conditions. All data about users, cards, and access rights are deleted from a controller when the firmware is updated.

You can optionally unlock doors connected to a controller while the firmware upgrade is in progress to allow users to gain access. If you do not want to leave connected doors unlocked for the duration of the upgrade, only update firmware when you are confident that the controller is not required.

If a firmware upgrade file is available, this screen allows you to select the firmware and which controllers to upgrade. You must have the password required to access the firmware upgrade in order to apply it.

- 1. Click **Select Firmware** to open a dialog where you can browse to and select the firmware file you are upgrading to. Ensure that you have a firmware version later than the version currently on your controller types.
- 2. In the *Password* field, enter the firmware password (obtainable from PLUS). This will be validated when you click **Upgrade Firmware**.





- 3. Optionally, you can choose the *Controller Type* to filter the controller list at the bottom of the screen for controllers matching that type.
- 4. From the controller list at the bottom of the screen, select each controller for which you want to upgrade firmware.

Note: Controllers must be online in order for you to do an upgrade, but all controllers are listed.

- 5. To open doors connected to the selected controllers, allowing free access, while the firmware upgrade is in progress, select the *Open doors during upgrade?* check box. If doors are not opened, users will not be able to gain access until the upgrade is complete and data synced to the controller.
- 6. To automatically sync data to the selected controllers following the firmware upgrade, select the *Do full download when finished flash upgrade?* check box. If you do not select this option, you must manually sync data to the controllers using the <u>System Synchronize tool in PLUS Manage or PLUS Hardware (see page 59)</u> following the firmware upgrade.
- 7. When you are ready, click **Upgrade Firmware**. If the password is correct, the controller types match the firmware type, and if they are all online, then the firmware is upgraded.

4.3.6 Monitoring Communications

This screen allows you to select one or more controllers to monitor their communications with the software. This feature can be useful for in-depth trouble-shooting.

Controllers - Displays a list of controllers on the system. You can select
particular controllers to monitor/stop monitoring, and specify the number of
minutes for which monitoring should last. Results of a trace of the activity
between controllers and the software are shown in the Communications
area.

If you want to view details from an existing log file, you can select it here too.

 Communications - This area shows events as they occur for monitored controllers. You can clear this area by clicking Clear View. Details displayed here are also saved into the ServerClient.log log file, available through the View Files button.