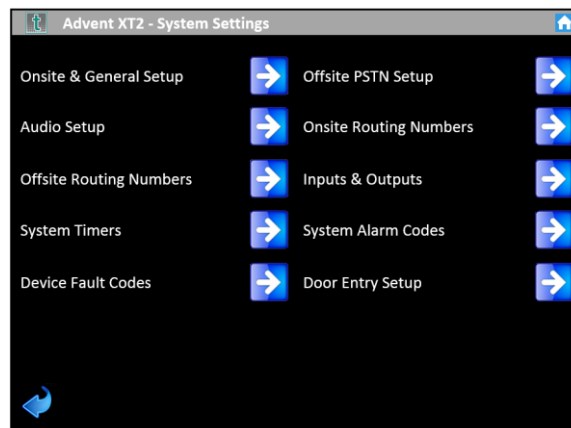




Programming Manual (V3)



Tynetec operates a policy of continual product improvement and reserves the right to modify the specification of its products.

If any variation to the details in this document are suspected please contact Tynetec's Technical Support.

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Doc No. FM0815 issue 10

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1. MAIN MENU & PROGRAMMING PROCEDURE

The touch screen display in the Advent XT2 controller is used for all system programming – no additional programming tools or software is required.

Touch the screen on the Advent XT2 controller to display the **Enter Engineers Password** screen;

Enter Engineers Password

Touch the screen at the end of the 4 zeros

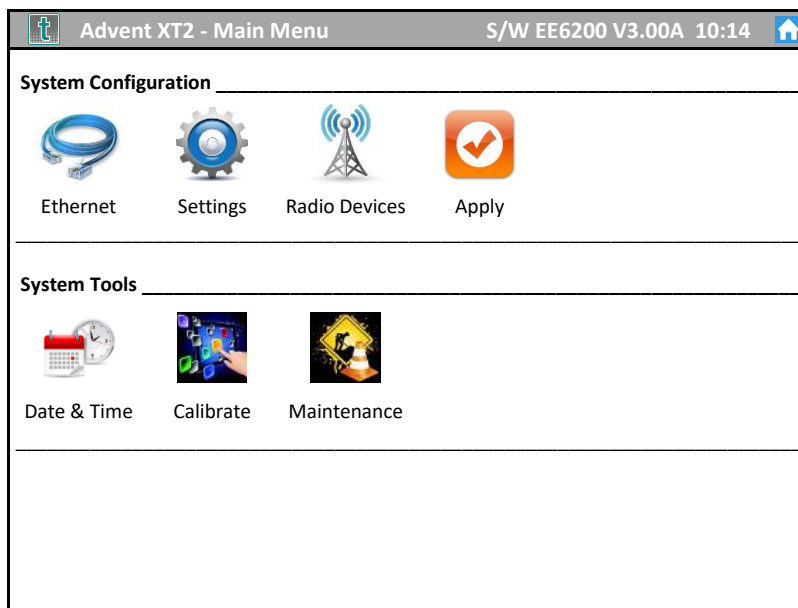
Use the  button to delete the 4 zeros

Enter **2606** then press the  button

The Main Menu will be displayed – see next page.

1. MAIN MENU & PROGRAMMING PROCEDURE - CONTINUED

When the correct password is entered the Main Menu (Home Page) will be displayed.
The firmware version and system time will be displayed on the top bar;



Programming Procedure

Touch an icon to select a programming option from the Main Menu.

The Main Menu screen will blank after 20 seconds if an option is not selected.

Once an Edit screen is selected the time-out period is 5 minutes from the last button press.

IMPORTANT: when changes are made on an Edit screen they must be saved with the  button.

If the 5 minute time-out expires any changes made and not saved will be lost.

When changes are made and saved on the Edit screens the  **Apply** button will appear on the Main Menu screen*.

When all changes are complete press the  Home button to return to the Main Menu.



The Apply button must be pressed to apply ALL changes made on the Edit screens.

You will be prompted to Apply Changes: Yes/No.

IMPORTANT: ensure there are no active calls when changes are applied as the system will reset.

**Note: the Apply button will not appear if Radio Devices have been added/removed, these changes are applied live.*

2. EDITING SYSTEM DATA

A typical Edit screen below shows the functions of buttons, checkboxes and data fields;

Enter a range of Channel ID's to be programmed with the same data

Enter Channel ID to Search

Parameter Name

X in checkbox = Enabled

Back to previous Flat No.

Forward to next page

Back to previous page

Home (Main Menu)

Search for Channel ID

Data Field

Empty checkbox = Disabled

Forward to next Flat No.

Back/Delete

Save

Data entry keys 0-9 & A-F

Editing Data

Touch a data field, use the button to delete existing data.

Enter new data using the 0-9 and A-F buttons.

If the data field requires text entry, then a full alphanumeric keypad will be displayed as below.

Touch a checkbox to enable ☒ a feature or touch to disable ☐ a feature.

Edit all fields then press the save button before moving on to another programming page.

If you're editing Tenant data press the forward arrow to go to the next flat number or press the back arrow to go back to the previous flat number.

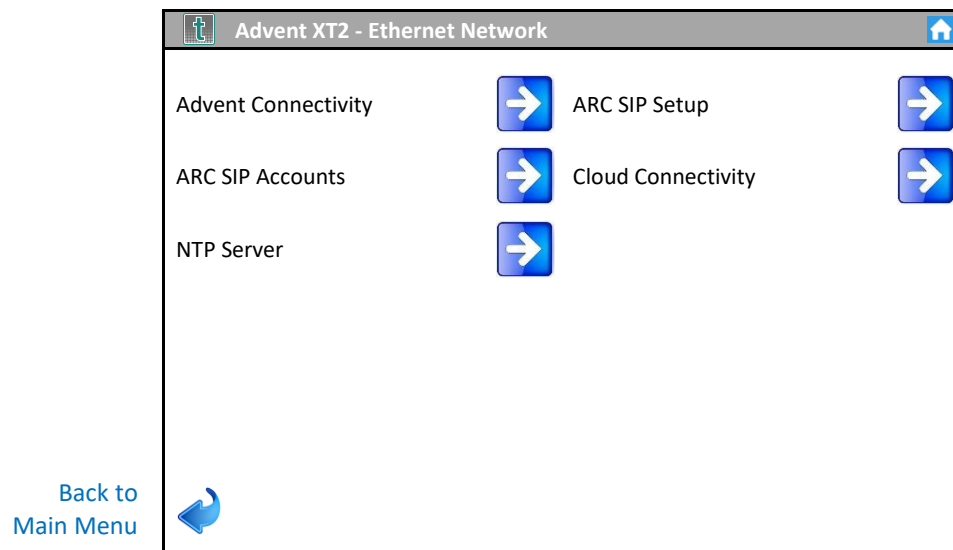
Enter a channel number and press the search button to go direct to a specific flat number.

Where there are multiple programming pages for the same menu option press the to go forward to the next page or to go back to the previous page.

Press the Home button at any time to return to the Main Menu.

3. SYSTEM CONFIGURATION – ETHERNET NETWORK

If the system has a Manager's panel or will be communicating with a digital ARC or the Cloud then select **Ethernet** from the System Configuration group on the Main Menu to display the options below;



Press the  button to select the parameter to edit.

Press the  arrow to return to the Main Menu.

3.1 ADVENT CONNECTIVITY

Select **Advent Connectivity** to setup local IP addresses and enable the Manager's Panel;

Back to previous page 

Advent XT2 - Connectivity

IP Address

192

168

168

100

Subnet Mask

255

255

255

000

Gateway

192

168

168

001

Domain Server Pri

008

008

008

008

Domain Server Sec

008

008

004

004

DHCP Enable

☒

M-Panel Enable

☒

M-Panel IP Address

192

168

168

101

0

1

2

3

4

5

6

7



8

9

A

B

C

D

E

F



IP Address: enter the IP address **192.168.168.100**

Sub Net Mask: enter the Subnet Mask IP address **255.255.255.000**

Gateway: enter the Gateway IP address **192.168.168.001**

Domain Server Pri: enter the Primary DNS Server IP address **008.008.008.008**

Domain Server Sec: enter the Secondary DNS Server IP address **008.008.004.004**

DHCP Enable: set the checkbox ☒ to enable DHCP (Dynamic Host Configuration Protocol)

M-Panel Enable: set the checkbox ☒ to enable the XT2 Manager's Display Panel

M-Panel IP Address: enter the IP address of the Manager's panel **192.168.168.101** (i.e. the XT2 IP Address +1)
Press the  button to save all changes before leaving the page.

Press the  arrow to return to the previous page.

CSL Mobile Broadband Router

If using a CSL Mobile Broadband Router (Tynetec Part No. W01920) then follow the instructions below for how to setup the XT2 Connectivity. Refer to the label fitted on the CSL Router - see example below;

	Customer Name	
	Site	NTHHERTS001
	Router IP	10.128.100.1
	LAN Network IP	10.128.100.0
	LAN Subnet	255.255.255.248
	LAN Router IP	10.128.100.1

Enter the **IP Address** the same as the "Router IP" stated on the label plus 1 e.g. **010.128.100.002**

Enter the **Sub Net Mask** the same as the "LAN Subnet" stated on the label e.g. **255.255.255.248**

Enter the **Gateway** IP address the same as the "Router IP" stated on the label e.g. **010.128.100.001**

Enter the **Domain Server Pri** (Primary DNS Server) IP address as **008.008.008.008**

Enter the **Domain Server Sec** (Secondary DNS Server) IP address as **008.008.004.004**

Set the **DHCP Enable** checkbox ☒ to enable DHCP (Dynamic Host Configuration Protocol)

Set the **M-Panel Enable** checkbox ☒ to enable the XT2 Manager's Display Panel

Enter the **M-Panel IP Address** the same as the "Router IP" stated on the label plus 2 e.g. **010.128.100.003**

Press the  button to save all changes before leaving the page.

3.2 ARC SIP SETUP

Select **ARC SIP Setup** to enter the SIP parameters for a digital Alarm Receiving Center (ARC);

Advent XT2 - ARC SIP Parameter Setup 001

Own Port	5060	
Server Domain		Port 5060
Proxy Domain		Port 5060
STUN Enable	☐	
STUN Server		Port 3478
Heartbeat Interval	0360	

Back to previous page

Navigation buttons: Left arrow, Right arrow, Back arrow, Forward arrow, Clear, Confirm.

The SIP parameters will need to be provided by the ARC.

Own Port: enter the default SIP port 5060

Server Domain: enter the host name or IP address of the SIP registrar **Port:** enter the default SIP port 5060

Proxy Domain: *currently not implemented* **Port:** *currently not implemented*

STUN Enable: set the checkbox ☒ to enable Session Traversal Utilities for NAT (*currently not implemented*)

STUN Server: *currently not implemented* **Port:** *currently not implemented*

Heartbeat Interval: enter how often the XT2 sends a heartbeat to the ARC (default 360 seconds)

Press the  button to save all changes before leaving the page.

Press the forward arrow  to enter a second **ARC SIP Parameter Setup 002**.

Press the  arrow to return to the previous page.

3.3 ARC SIP ACCOUNTS

Select **ARC SIP Accounts** to enter the user names and passwords;

Advent XT2 - ARC SIP Account Setup 001

User Name

Password

Renewal Time

SIP Encryption ☐ RTP Encryption ☐

SIP Transport TCP ☐ Keep-Alive ☐

Contact Name

Heartbeat Name Type



[Back to previous page](#) 

The SIP account details will need to be provided by the ARC.

User Name: enter the SIP account proxy user name

Password: enter the SIP account proxy password

Renewal Time: enter how often the SIP account re-registers with the registrar (default 3600 seconds)

SIP Encryption: set the checkbox ☒ to enable secure SIP (*currently not implemented*)

RTP Encryption: set the checkbox ☒ to enable secure RTP (*currently not implemented*)

SIP Transport TCP: set the checkbox ☒ to send SIP data via TCP instead of UDP

Keep-Alive: set the checkbox ☒ to send a Keep-Alive packet to keep the port open on the Router

Contact Name: enter the ARC SIP account for the alarm handling

Heartbeat Name: enter the ARC SIP account for the heartbeat handling

Type: enter the digital ARC protocol type; **00** disabled or **01** for NowIP

Press the  button to save all changes before leaving the page.

Press the forward arrow  to enter a second **ARC SIP Account Setup 002**.

Press the  arrow to return to the previous page.

3.4 CLOUD CONNECTIVITY

Select **Cloud Connectivity** to enable Cloud services;

Back to previous page 

Advent XT2 - Cloud Connectivity 

Cloud Enable ☐

Cloud Client ID

Cloud SAS Token

Cloud Port Number

Cloud Server

01234567

89A B C D E F

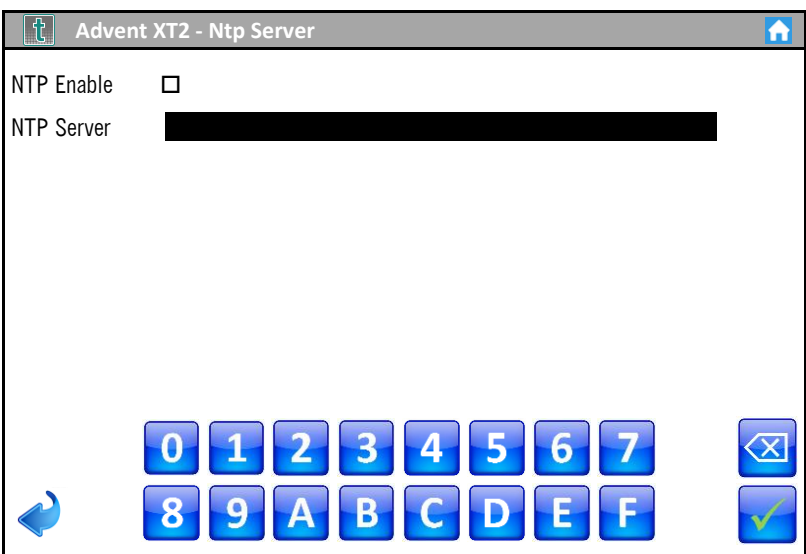



This information will be auto-populated when the SAS (Shared Access Signature) token is loaded.
Press the  arrow to return to the previous page.

3.5 NTP SERVER

Select **NTP Server** to enable Network Time Protocol;

Back to
previous page



NTP Enable ☐

NTP Server

0 1 2 3 4 5 6 7

8 9 A B C D E F

⬅️ ✓

NTP Enable: set the checkbox ☒ to enable the NTP Server

NTP Server: enter the host name or IP address of a local NTP Server (use **uk.pool.ntp.org** for the United Kingdom)

Press the  button to save all changes before leaving the page

Press the  arrow to return to the previous page.

4. SYSTEM CONFIGURATION - SETTINGS

Select **Settings** from the System Configuration group on the Main Menu to display the first 12 options below;

Advent XT2 - System Settings

Home (Main Menu)

Load System Defaults	→	Load Radio Defaults	→
Tenants Units Create/Edit	→	Tenants Call Routing	→
Tenants Alarm Type Routing	→	Tenants Monitoring	→
Tenants Virtual Sensors	→	Tenants Door Entry Setup	→
Tenants Relay Setup	→	Tenants Service Provider	→
Tenants IO Unit	→	RS485 Network Setup	→

Back to previous page

Forward to next page

Select Menu Option

Press the → button to select the parameter to edit, or...

Press the ↩ arrow and a further 10 Menu options will be displayed;

Advent XT2 - System Settings

Home (Main Menu)

Onsite & General Setup	→	Offsite PSTN Setup	→
Audio Setup	→	Onsite Routing Numbers	→
Offsite Routing Numbers	→	Inputs & Outputs	→
System Timers	→	System Fault Codes	→
Device Fault Codes	→	Door Entry Setup	→

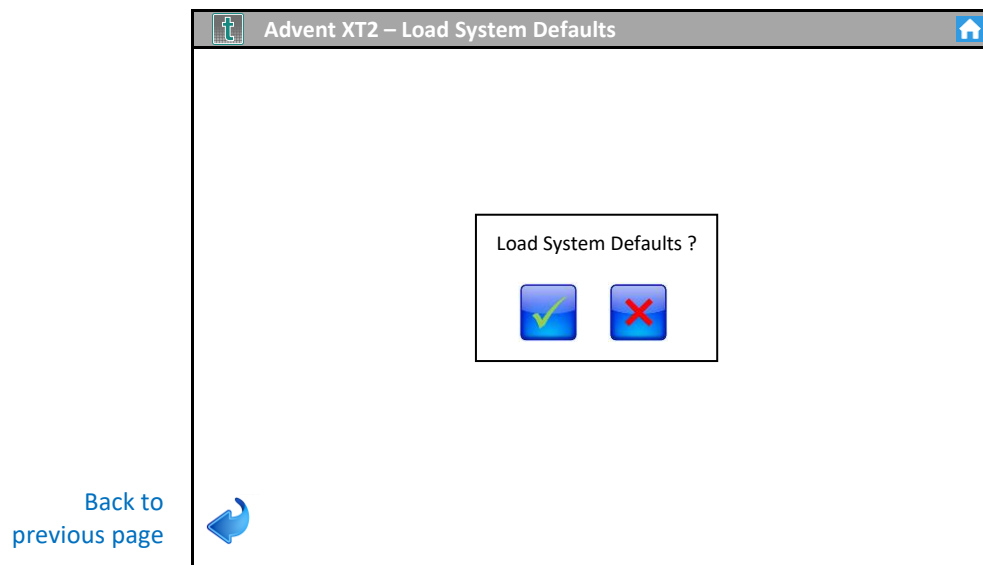
Back to previous page

Press the → button to select the parameter to edit.

Press the ↩ arrow to return to the previous page.

4.1 LOAD SYSTEM DEFAULTS

If you want to restore factory default settings, select **Load System Defaults** from the System Settings Menu...

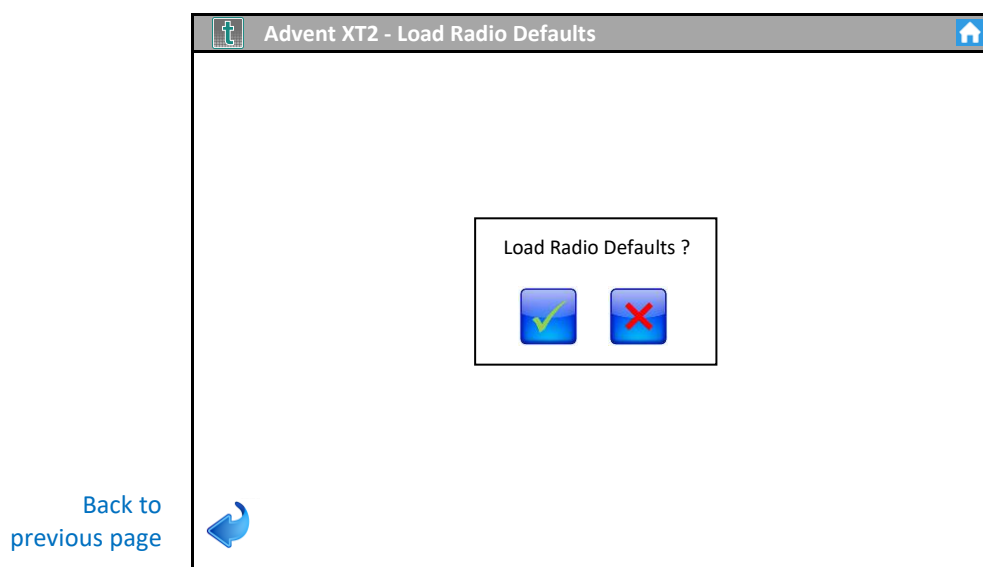


Press the  button to restore the system factory default settings or press  to exit the screen.

Press the  arrow to return to the previous page.

4.2 LOAD RADIO DEFAULTS

If you want to delete all existing radio devices, select **Load Radio Defaults** from the System Settings Menu...



Press the  button to clear all radio devices from the system or press  to exit the screen.

Press the  arrow to return to the previous page.

4.3 TENANTS UNITS CREATE/EDIT

To create flat numbers and enable intercom features select **Tenants Units Create/Edit** from the System Settings Menu to setup the following;

Screen 1 of 2

Advent XT2 - Tenants Units Create/Edit

Unit Range: 0001 0001 Unit Type: 00 001

Flat Identity: 0001 Speaker Volume: 02 Handset Volume: 02

Privacy Time: 000 Reassurance Time: 000

Fault Reports: ☒ Compatibility Mode: ☒

Extra Care: ☒ Away Mode: ☒ Intruder Mode: ☒ Warden Message: ☒

Alarm Inputs: 42 34 44 49

Alarm Locations: 00 00 00 00 00 00 00 00

Navigation: Back, Forward, Search, Numeric Keypad (0-9, A-F), Confirm.

Unit Range: enter the same channel ID in both fields to setup a single channel or enter the first and last channel ID's to block program multiple channels with the same settings.

Unit Type: enter 00 for standard intercom or 01 for door entry intercom type.

Flat Identity: enter the flat number corresponding to the channel ID in the box above. *Note: this will increment sequentially with Unit Range block programming feature. You can edit-out unwanted Flat ID's e.g. 0013 with FFFF.*

Speaker Volume: enter the intercom loudspeaker volume level; 00 = mute, 01 = lowest to 03 = highest.

Handset Volume: enter the door entry telephone earpiece volume; 01 = lowest to 03 = highest.

Privacy Time: enter the intercom privacy time; 0000 = on/off to 999 minutes max.

Reassurance Time: enter the duration the call reassurance tone will sound; 000 = always on to 999 minutes max.

Fault Reports: set checkbox ☒ to enable intercom fault reporting. Clear the checkbox to prevent an open circuit fault if a pendant/Telecare is being used without an intercom fitted.

Compatibility Mode: set checkbox ☒ to use a new XT2 controller with existing old type XT intercoms during an upgrade. *Note: functionality is restricted in compatibility mode. See Appendix 7.5 for details.*

Extra Care: set checkbox ☒ to enable Extra Care reset function. *Note: set Extra Care repeat on System Timers page.*

Away Mode: set checkbox ☒ to enable Away Mode to be selected if I'm OK or Activity Monitoring is being used.

Intruder Mode: set checkbox ☒ to automatically enable Intruder Mode when Away Mode is selected.

Warden Message: set checkbox ☒ to enable the Manager to leave a message for the Tenant.

Alarm Inputs: enter the 2-digit Sensor Type code for each of the 4 additional hardwired inputs on the intercom in the order below. *See Appendix 7.1 at the back of this manual for a full list of Sensor Type codes.*

Alarm Input 1	Alarm Input 2	Alarm Input 3	Alarm Input 4
default: 42 (Low Temp) 47K on terminal 14	default: 34 (Door Exit) 18K on terminal 14	default: 44 (Gas) 47K on terminal 15	default: 49 (CO) 18K on terminal 15

Alarm Locations: enter the 2-digit Location code for each of the 4 standard and 4 additional hardwired inputs on the intercom in the order below. *See Appendix 7.2 at the back of this manual for a full list of Location codes.*

Intercom Unit	Ceiling Pullcord	Smoke Detector	PIR Detector	Input 1 (Low Temp)	Input 2 (Door Exit)	Input 3 (Gas)	Input 4 (CO)
---------------	------------------	----------------	--------------	--------------------	---------------------	---------------	--------------

Default 00 = not assigned.

Press the button to save all changes before leaving the page.

Press the arrow to setup more **Tenants Unit** parameters.

Press the forward arrow to go to the next channel or press the arrow to return to the previous page.

4.3 TENANTS UNITS CREATE/EDIT - CONTINUED

Screen 2 of 2

Advent XT2 - Tenants Units Create/Edit

Unit Range 0001 0001 001

Pager Message Tag

Speech Messages 000 000 000 000 000 000 000 000

Telephone No. (17) FF FF FF FF FF FF FF FF A/P 00 00

Telephone No. (18) FF FF FF FF FF FF FF FF A/P 00 00

Telephone No. (19) FF FF FF FF FF FF FF FF A/P 00 00

Dial Sequence 00 00 00 00 00 00 00 00

Navigation buttons: Back, Forward, Search, Delete, Checkmark

Keypads: Numeric (0-9), Alphanumeric (A-F)

[Back to previous page](#)

Unit Range: enter the same channel ID in both fields to setup a single channel or enter the first and last channel ID's to block program multiple channels with the same settings.

Pager Message Tag: enter text message to be sent to a radio Pager (max 30 characters). *Note: the screen will change to display a full alphanumeric keypad – see section 2.*

Speech Messages: enter up to 8 3-digit custom speech codes to create a custom speech message for the intercom. Default 000 = no custom speech. *See Appendix 7.3 at the back of this manual for a full list of Custom Speech codes.*

Telephone No. (17): enter personal recipient telephone number 1; 2 digits per box, FF = disable.

A/P (Attempts/Protocol): enter the number of dial Attempts 01 to 15 and Protocol type 00 = Local Offsite, 01 = TT92, 02 = BS8521 or 03 = Digital (BS8521-2 Now IP) for Tel No. 17.

Telephone No. (18): enter personal recipient telephone number 2; 2 digits per box, FF = disable.

A/P (Attempts/Protocol): enter the number of dial Attempts 01 to 15 and Protocol type 00 = Local Offsite, 01 = TT92, 02 = BS8521 or 03 = Digital (BS8521-2 Now IP) for Tel No. 18.

Telephone No. (19): enter personal recipient telephone number 3; 2 digits per box, FF = disable.

A/P (Attempts/Protocol): enter the number of dial Attempts 01 to 15 and Protocol type 00 = Local Offsite, 01 = TT92, 02 = BS8521 or 03 = Digital (BS8521-2 Now IP) for Tel No. 19.

Dial Sequence: enter a dial sequence of up to 8 different telephone numbers for this intercom. Telephone No's 01-16 are Local Offsite or ARC numbers, 17-19 are personal recipient numbers.

Press the button to save all changes before leaving the page.

Press the forward arrow to go to the next channel or press the arrow to return to the previous page.

4.4 TENANTS CALL ROUTING

To set a specific DECT extension or offsite telephone number and the time period that a call will be routed-to on an individual basis select **Tenants Call Routing** from the System Settings Menu;

Advent XT2 - Tenants Call Routing

Unit Range: 0001 0001 001

Call Route 01: 00 00 Start Time 00 00 Stop Time 00 00

Routing Days 01: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Call Route 02: 00 00 Start Time 00 00 Stop Time 00 00

Routing Days 02: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Call Route 03: 00 00 Start Time 00 00 Stop Time 00 00

Routing Days 03: ☐ ☐ ☐ ☐ ☐ ☐ ☐

Navigation buttons: Back, Forward, Search, Save, Numeric keypad (0-9, A-F).

Unit Range: enter the same channel ID in both fields to setup a single channel or enter the first and last channel ID's to block program multiple channels with the same settings.

Call Route 01: enter 00 for onsite, 01 for PSTN offsite or 02 for Digital offsite (BS8521-2 Now IP) in the first 2-digit field. In the second 2-digit field enter the Offsite Routing Tel Number 01 to 16 (see section 4.14).

Start Time: enter the start hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want Call Route 01 to start.

Stop Time: enter the stop hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want Call Route 01 to stop. *Note: start/stop times must both be within the same day, i.e. not over midnight.*

Routing Days 01: set the checkboxes ☒ to enable which days of the week you want Call Route 01 to apply. The seven checkboxes represent Monday to Sunday from left to right.

Repeat as above for Call Route 02/03.

Press the button to save all changes before leaving the page.

Press the arrow to setup **Call Routing 04/05/06**.

Press the again to setup **Call Routing 07/08**.

Press the forward arrow to go to the next channel or press the arrow to return to the previous page.

4.5 TENANTS ALARM TYPE ROUTING

This is the same as Call Routing but also allows specific alarm types to be routed differently.

Note: settings made on the Alarm Type Routing page have priority over the settings on the Call Routing page.

Select **Tenants Alarm Type Routing** from the System Settings Menu to setup the following;

The screenshot shows the 'Advent XT2 - Tenants Alarm Type Routing' configuration page. The interface includes the following elements:

- Unit Range:** Two input fields showing '0001' and '0001', followed by a search icon.
- Call Route 01:** Two input fields showing '00' and '00', followed by 'Start Time' and 'Stop Time' fields, each with two input fields showing '00'.
- Routing Days 01:** Seven checkboxes for days of the week.
- Alarm Types 01:** Four input fields showing '00', '00', '00', and '00', followed by five checkboxes for 'Alarm Enables'.
- Call Route 02:** Two input fields showing '00' and '00', followed by 'Start Time' and 'Stop Time' fields, each with two input fields showing '00'.
- Routing Days 02:** Seven checkboxes for days of the week.
- Alarm Types 02:** Four input fields showing '00', '00', '00', and '00', followed by five checkboxes for 'Alarm Enables'.
- Navigation:** A back arrow on the left, a forward arrow on the right, and a search icon at the bottom right.
- Keypad:** A numeric keypad with digits 0-9, letters A-F, and a checkmark icon.

Unit Range: enter the same channel ID in both fields to setup a single channel or enter the first and last channel ID's to block program multiple channels with the same settings.

Call Route 01: enter 00 for onsite, 01 for PSTN offsite or 02 for Digital offsite (BS8521-2 Now IP) in the first 2-digit field. In the second 2-digit field enter the offsite routing Tel Number 01 to 16 (see section 4.14).

Start Time: enter the start hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want Call Route 01 to start.

Stop Time: enter the stop hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want Call Route 01 to stop. *Note: start/stop times must both be within the same day, i.e. not over midnight.*

Routing Days 01: set the checkboxes ☒ to enable which days of the week you want Call Route 01 to apply. The seven checkboxes represent Monday to Sunday from left to right.

Alarm Types 01: enter up to 4 different Sensor types using the 2-digit Sensor Type codes from the table in Appendix 7.1 at the back of this manual.

Alarm Enables: set the checkboxes ☒ to enable specific alarm types - the five checkboxes represent General, Home, Away, Intruder and Logging from left to right.

Repeat as above for Call Route/Alarm Type 02.

Press the button to save all changes before leaving the page.

Press the arrow to setup **Call Route/Alarm Type 03/04**.

Press the again to setup **Call Route/Alarm Type 05/06**.

Press the again to setup **Call Route/Alarm Type 07/08**.

Press the forward arrow to go to the next channel or press the arrow to return to the previous page.

4.6 TENANTS MONITORING

Select **Tenants Monitoring** from the System Settings Menu to setup activity monitoring periods, the intercom I'm OK feature and monitoring periods for wandering. *Note: optional PIR's are required to monitor resident's activity and radio door contacts are required for wandering.*

Screen 1 of 2

Advent XT2 - Tenants Monitoring

Unit Range 0001 0001 001

Activity Alarm ☐ Activity Period 000

Activity Start 01 00 00 Activity Stop 01 00 00

Activity Start 02 00 00 Activity Stop 02 00 00

Activity Start 03 00 00 Activity Stop 03 00 00

Activity Days ☐ ☐ ☐ ☐ ☐ ☐ ☐

Forward to next page Back to previous page

0 1 2 3 4 5 6 7 8 9 A B C D E F

Up to 3 activity monitoring start/stop time periods can be set per day on a per flat basis. The smaller activity period is set to split the start/stop time into smaller inactivity reporting periods. If during an active monitoring time period, the activity period elapses with no resident activity then an inactivity alarm will be reported. This will be repeated for each activity period within an active monitoring time period.

Unit Range: enter the same channel ID in both fields to setup a single channel or enter the first and last channel ID's to block program multiple channels with the same settings.

Activity Alarm: set the checkbox ☒ to enable an inactivity alarm if no activity is detected in the activity period. Clear the checkbox ☐ to disable inactivity alarm reporting e.g. if the flat is unoccupied.

Activity Period: enter a time from 0 to 999 minutes (0 = disabled). This time should be less than the start/stop period, e.g. if the start/stop period is 07:00 to 11:00 (4 hours) then the activity period could be set at 1 hour.

Activity Start 01: enter the start hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want activity period 01 to start.

Activity Stop 01: enter the stop hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want activity period 01 to stop.

Repeat for Activity Periods 02/03. *Note: start/stop times must both be within the same day, i.e. not over midnight.*

Activity Days: set the checkboxes ☒ to enable which days of the week you want activity monitoring to apply. The seven checkboxes represent Monday to Sunday from left to right.

Press the button to save all changes before leaving the page.

Press the arrow to setup **I'm OK** and **Wandering** features.

Press the forward arrow to go to the next channel or press the arrow to return to the previous page.

4.6 TENANTS MONITORING - CONTINUED

Screen 2 of 2

Advent XT2 - Tenants Monitoring

Unit Range 0001 0001 001

I'm OK Alarm ☐ I'm OK Tone ☐ I'm OK to M-Panel ☐

I'm OK Start 00 00 I'm OK Stop 00 00 I'm OK ON Alarm ☐

I'm OK Days ☐ ☐ ☐ ☐ ☐ ☐ ☐

Wander Monitor ☐

Wander Mon Start 00 00 Wander Mon Stop 00 00

Wander Mon Days ☐ ☐ ☐ ☐ ☐ ☐ ☐

Navigation buttons: Left arrow, Right arrow, Back arrow, Forward arrow, Search icon, Delete icon, Checkmark icon.

Numeric keypad: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F.

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The intercom can be set to flash the green I'm OK light and sound a double-beep every 20 seconds during a pre-set time period each day. If the resident is up and about and feeling "OK" they can press the I'm OK button on their intercom to stop the alert and clear their flat number from a list in the Advent XT2 memory. The flat numbers of the residents that HAVE NOT responded "I'm OK" can be checked at any time on the Manager's panel or called using a special code on the DECT handset. *Note: the I'm OK feature can be temporarily disabled by selecting "Away Mode".*

An 869MHz radio door contact (Tynetec P/No. ZXT830) can be used to monitor if a resident leaves their flat during a pre-set time period each day. The start and stop times can be set on an individual flat basis. If a resident leaves their flat during the set period, a wandering alarm will be reported.

Unit Range: enter the same channel ID in both fields to setup a single channel or enter the first and last channel ID's to block program multiple channels with the same settings.

I'm OK Alarm: set the checkbox ☒ to enable the I'm OK feature, clear the checkbox ☐ to disable.

I'm OK Tone: set the checkbox ☒ to enable the I'm OK audible alert (double-beep every 20 seconds), clear the checkbox ☐ to disable the audible alert and have a flashing green LED only.

I'm OK to M-Panel: set the checkbox ☒ to enable the I'm OK feature on the Manager's panel, clear the checkbox ☐ if there's no Manager's panel or the feature is not being used.

I'm OK Start: enter the start hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want the I'm OK period to start.

I'm OK Stop: enter the stop hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want the I'm OK period to stop.

I'm OK on Alarm: set the checkbox ☒ to enable any alarm to be acknowledged as I'm OK, clear the checkbox ☐ for a button press only. *Note: if set the alarm call will still be reported as normal as well as clearing the I'm OK.*

I'm OK Days: set the checkboxes ☒ to enable which days of the week you want the I'm OK function to operate. The seven checkboxes represent Monday to Sunday from left to right.

Wander Monitor: set the checkbox ☒ to enable wandering monitoring, clear the checkbox ☐ to disable.

Wander Mon Start: enter the start hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want the wandering monitoring period to start.

Wander Mon Stop: enter the stop hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want the wandering monitoring period to stop.

Wander Monitor Days: set the checkboxes ☒ to enable which days of the week you want the wandering monitoring function to operate. The seven checkboxes represent Monday to Sunday from left to right.

Press the button to save all changes before leaving the page.

Press the forward arrow to go to the next channel or press the arrow to return to the previous page.

4.7 TENANTS DOOR ENTRY SETUP

If door entry telephones or intercoms are fitted select **Tenants Door Entry Setup** from the System Settings Menu to setup the following;

Advent XT2 - Tenants Door Entry Setup

Unit Range 0001 0001 001

Privacy Time 000 Ring Cycles 08 Concierge Enable ☐

Conc Start Time 00 00 Conc Stop Time 00 00 Call Transfer Flat 0000

Door Panel En 1-8 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Door Panel En 9-16 ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐

Door Progress Panels 00 00 00 00

Door Progress Timers 0000 0000 0000 0000

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Navigation buttons: Left arrow, Right arrow, Search, Clear, Checkmark

Keypad: 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, A, B, C, D, E, F

Unit Range: enter the same channel ID in both fields to setup a single channel or enter the first and last channel ID's to block program multiple channels with the same settings.

Privacy Time: enter the telephone privacy time; 0000 = on/off to 999 minutes max.

Ring Cycles: enter the number of telephone ring cycles before the door entry panel displays "Not Available - Please Try Later". Default = 08, can be changed from 00 to 99.

Concierge Enable: set the checkbox ☒ to redirect door entry calls to the Manager's DECT handset during the time period set below. Clear the checkbox ☐ for door entry calls to always go direct to the residents.

Conc Start Time: enter the start hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want concierge door entry calls to start.

Conc Stop Time: enter the stop hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want concierge door entry calls to stop.

Call Transfer Flat: if concierge calls are not enabled enter a flat number you want door entry calls redirected to for the time period above.

Door Panel En 1-8: set the checkboxes ☒ to enable which door panels 1-8 can call this flat.

Door Panel En 9-16: set the checkboxes ☒ to enable which door panels 9-16 can call this flat.

Door Progress Panels: enter up to 4 door panel numbers 01 to 16 which need to allow access en-route.

Door Progress Timers: enter the time in seconds 0-999 each of the above door panels will allow unrestricted access.

Press the button to save all changes before leaving the page.

Press the forward arrow to go to the next channel or press the arrow to return to the previous page.

4.8 TENANTS RELAY SETUP

Select **Tenants Relay Setup** from the System Settings Menu to setup the following;

Advent XT2 - Tenants Unit Relay Setup

Unit Range 0001 0001 001

Relay DTMF Char FF

Relay Alarm Type 00

Relay Timer 00

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0 1 2 3 4 5 6 7

8 9 A B C D E F

Unit Range: enter the same channel ID in both fields to setup a single channel or enter the first and last channel ID's to block program multiple channels with the same settings.

Relay DTMF Char: enter the DTMF key used to activate the relay in the intercom during speech, default = 03, can be changed to 04, 07, 08 or 09 only. FF to disable.

Relay Alarm Type: enter a Sensor type to activate the relay using the 2-digit Sensor Type codes from the table in Appendix 7.1 at the back of this manual. *Note: this can only be set if the DTMF Char above is disabled.*

Relay Timer: enter the time for which the intercom relay remains energised; 01 to 99 seconds.

Press the  button to save all changes before leaving the page.

Press the forward arrow  to go to the next channel or press the  arrow to return to the previous page.

4.9 TENANTS I/O UNIT

If optional I/O Expander units are fitted select **Tenants IO Unit** from the System Settings Menu to setup the following;

The screenshot shows the 'Advent XT2 - Tenants I/O Unit' configuration screen. The fields are as follows:

Field	Value
Unit Range	0001 0001
Alarm Inputs	00 00 00 00 00 00
Alarm Locations	00 00 00 00 00 00
Alarm Relays	00 00 00 00 00 00
DTMF Relays	00 00 00 00 00 00
Relay Timers	0000 0000 0000 0000 0000 0000

Navigation buttons include a back arrow, a forward arrow, a search icon, and a checkmark icon. A numeric keypad with digits 0-9 and letters A-F is also present.

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previous page

Unit Range: enter the same channel ID in both fields to setup a single channel or enter the first and last channel ID's to block program multiple channels with the same settings.

Alarm Inputs: enter the 2-digit Sensor Type code for each of the 6 inputs on the I/O unit. The 6 fields represent input 1 to input 6 from left to right. 00 = not assigned. *See Appendix 7.1 at the back of this manual for a full list of Sensor Type codes.*

Alarm Locations: enter the 2-digit Location code for each of the 6 inputs on the I/O unit. The 6 fields represent input 1 to input 6 from left to right. 00 = not assigned. *See Appendix 7.2 at the back of this manual for a full list of Location codes.*

Alarm Relays: enter 01 to enable or 00 to disable each of the 6 relay outputs on the I/O unit. The 6 fields represent output 1 to output 6 from left to right. If enabled (01) input 1 will activate relay output 1, input 2 will activate relay output 2 etc. up to input 6 will activate relay output 6. If disabled (00) then the input will not activate the corresponding relay output.

DTMF Relays: enter as 03, 04, 08, 09 or FF to disable. These are the DTMF characters used during an active call to activate each of the 6 relay outputs on the I/O unit. The 6 fields represent output 1 to output 6 from left to right.

Relay Timers: enter the time for which each of the 6 relay outputs on the I/O unit remain energised; 1 to 999 seconds. The 6 fields represent output 1 to output 6 from left to right. 00 to disable.

Press the button to save all changes before leaving the page.

Press the forward arrow to go to the next channel or press the arrow to return to the previous page.

4.10 RS485 NETWORK SETUP

Select **RS485 Network Setup** from the System Settings Menu to setup the following;

Advent XT2 - RS485 Network Setup

N1 Tenants Units	000	N1 Radio Receivers	01	N1 Door Panels	01
N1 Sub Fault Report	☐				
N2 Tenants Units	000	N2 Radio Receivers	01	N2 Door Panels	01
N2 Sub Fault Report	☐				

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0 1 2 3 4 5 6 7
8 9 A B C D E F

⏪ ⏩ ✓

N1 Tenants Units: enter the total number of intercoms 001 to 255 (including Managers callpoints and lift speech units) connected on RS485 Network 1.

N1 Radio Receivers: enter the total number of 869MHz Receivers 00 (none) to 32 connected on RS485 Network 1.

N1 Door Panels: enter the total number of door panels 00 (none) to 16 connected on RS485 Network 1.

N1 Sub Fault Report: set checkbox ☒ to enable intercom fault reporting on RS485 Network 1. Clear the checkbox ☐ to prevent open circuit fault reporting during installation if pendants are being used before the intercoms are fitted. Repeat as above for RS485 Network 2.

Press the  button to save all changes before leaving the page.

Press the  arrow to return to the previous page.

4.11 ONSITE & GENERAL SETUP

Select **Onsite & General Setup** from the System Settings Menu to setup the following:

Advent XT2 - Onsite & General Setup

Onsite DTMF Park **5F** Onsite DTMF Mode **01**

Auto Alarm Time **00 00** Auto Alarm Period **00**

PBX Ring Type Enable ☐ Ring Cycle Enable ☐ DECT Disconnect ☐

PA Amp 2 Enable ☐ All Call Enable ☐ Fire Tone Enable ☐

DECT Line 2 Enable ☒ Audio Locations On ☒ RSSI Threshold (-dB) **00**

DECT Line 2 On Time **00 00** DECT Line 2 Off Time **00 00**

Navigation buttons: Back to previous page, numeric keypad (0-9, A-F), Home, Confirm, Cancel.

Onsite DTMF Park: enter the onsite Park character; default 5F = single 5 to park, 55 (for double 5 to park), or 8F/88 or 9F/99. FF to disable.

Onsite DTMF Mode: enter the telephone key DTMF tone duration; default 01 = 60mS (BT Décor), 00 = 40mS (Geemark Jupiter) or 02 = 70mS.

Auto Alarm Time: enter the hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want the automatic alarm call to report.

Auto Alarm Period: enter the number of days 01-99 between automatic alarm calls. 00 to disable.

PBX Ring Type Enable: set checkbox ☒ if an IP-PBX is fitted. Clear the checkbox ☐ if the system is connected directly to a PSTN line.

Ring Cycle Enable: the checkbox should normally be clear ☐ when a Spectralink/Ascom IP-DECT system is fitted. Only set the checkbox ☒ when advised by Customer Support. *Note: when set the DECT system will stop ringing every 60 seconds then restart to re-establish contact with handsets that have gone out of range then returned (i.e. for DECT systems without an auto-roaming feature).*

DECT Disconnect: set checkbox ☒ if an IP-PBX is fitted (i.e. drop line before ring to reset). Clear the checkbox ☐ for no reset before ring.

PA Amp 2 Enable: set checkbox ☒ if a second PA Amp is fitted. Clear the checkbox ☐ if a second PA Amp is not fitted.

All Call Enable: set checkbox ☒ if a PA Amp is fitted. Clear the checkbox ☐ if a PA Amp is not fitted.

Fire Tone Enable: set checkbox ☒ to enable a fire alarm tone to be sounded through all intercoms. Clear the checkbox ☐ for no fire alarm tone.

DECT 2 Line Enable: set checkbox ☒ to enable a second DECT line to be connected. Clear the checkbox ☐ for no second DECT line.

Audio Locations On: set checkbox ☒ to enable alarm speech messages in onsite and local offsite mode. Clear the checkbox ☐ for no speech messages.

RSSI Threshold (-dB): enter a Received Signal Strength Indicator -dB level above which an 869MHz radio interference alert will be reported. Default -90dB. 00 to disable.

DECT Line 2 On Time: enter the hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want DECT line 2 to start being used.

DECT Line 2 Off Time: enter the hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want DECT line 2 to stop being used.

Press the button to save all changes before leaving the page.

Press the arrow to return to the previous page.

4.12 OFFSITE PSTN SETUP

If the system is being connected via a telephone line to an Alarm Receiving Centre (ARC) select **Offsite PSTN Setup** from the System Settings Menu to setup the following;

Advent XT2 - Offsite PSTN Setup

Site Identity	1234	Protocol	01		
PSTN Monitor 01	☒	PSTN Monitor 02	☒		
L-Off DTMF Park	5F	R-Off DTMF Park	05	Status Tones	☒
GSM Enable	☐				

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0 1 2 3 4 5 6 7 8 9 A B C D E F

Save (checkmark icon)

Back (left arrow icon)

Site Identity: enter the unique site identity number issued by the Alarm Receiving Centre, max 4 digits.

Protocol: enter the protocol type used by the Alarm Receiving Centre for inbound calls; 00 = Local Offsite, 01 = TT92, 02 = BS8521 or 03 = Digital (BS8521-2 Now IP).

PSTN Monitor 01: set checkbox ☒ to enable line fault reporting on PSTN line 1. Clear the checkbox ☐ for no line fault reporting on PSTN line 1.

PSTN Monitor 02: set checkbox ☒ to enable Line Fault reporting on PSTN line 2. Clear the checkbox ☐ for no Line Fault reporting on PSTN line 2.

L-OFF DTMF Park: enter the Local Offsite Park character, default 5F = single 5 to park, change to 55 (for double 5 to park), or 8F/88 or 9F/99. FF to disable.

R-OFF DTMF Park: enter the Remote Offsite Park character, default 05 = single 5 to park, change to 08 or 09. FF to disable.

Status Tones: set checkbox ☒ to enable Status Tones (2 tones = onsite, 1 tone = offsite). Only clear the checkbox ☐ when advised for specific ARC's that do not recognize Status Tones.

GSM Enable: leave the checkbox unset ☐ (not used).

Press the  button to save all changes before leaving the page.

Press the  arrow to return to the previous page.

4.13 AUDIO SETUP

Select **Audio Setup** from the System Settings Menu to setup the following;

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previous page

Advent XT2 - Audio Setup
⌂

Onsite H/S Volume 02 02

Onsite PA Volume 02 02

Fire Tone Volume 02 02

Door Panel Volume 02 02

Offsite PSTN Volume 02 02

Offsite PA Volume 02 02

Offsite VOX Level 02 02

08

19

2A

3B

4C

5D

6E

7F

✕✓

Note: the first 2-digit field alongside the parameters above represents audio channel 1, the second is audio channel 2. In most cases these should be matched.

Onsite H/S Volume: enter the volume level of the audio from the resident's intercom to the Manager's DECT handset; 01 lowest to 03 highest. Default 02.

Offsite PSTN Volume: enter the volume level of the audio from the resident's intercom to the Alarm Receiving Centre; 01 lowest to 03 highest. Default 02.

Onsite PA Volume: enter the volume level of the Public Address all-call speech from the Manager's DECT handset; 01 lowest to 03 highest. Default 02.

Offsite PA Volume: enter the volume level of the Public Address all-call speech from the Alarm Receiving Centre; 01 lowest to 03 highest. Default 02.

Fire Tone Volume: enter the volume level of the all-call fire alarm tone; 01 lowest to 03 highest. Default 02.

Offsite VOX Level: enter the sensitivity level 01 to 08 (Default 02) at which the ARC operators voice switches audio to the intercom or door panel - see **Table 1** below for V3.00a onward.

Door Panel Volume: enter the speech volume level 01 to 15 (Default 02) coming out of the door entry panel from the resident or the ARC - see **Table 2** below for V3.00a onward.

Level	Gain	Notes
01	0.3	Least Sensitive
02	0.4	Default
03	0.5	
04	0.6	
05	0.7	
06	0.8	
07	0.9	
08	1.0	Most Sensitive

Level	Gain	Notes
01	0.8	
02	1.2	Default
03	1.4	Loudest
10	0.7	
11	0.6	
12	0.5	
13	0.4	
14	0.3	
15	0.2	Quietest

Press the button to save all changes before leaving the page.

Press the arrow to return to the previous page.

4.14 OFFSITE ROUTING NUMBERS

Select **Offsite Routing Numbers** from the System Settings Menu to setup the Local Offsite or ARC telephone numbers, dial attempts and protocol type;

Advent XT2 - Offsite Routing Numbers

Tel Number 01	FF	FF	FF	FF	FF	FF	FF	FF	A/P	00	00
Tel Number 02	FF	FF	FF	FF	FF	FF	FF	FF	A/P	00	00
Tel Number 03	FF	FF	FF	FF	FF	FF	FF	FF	A/P	00	00
Tel Number 04	FF	FF	FF	FF	FF	FF	FF	FF	A/P	00	00
Tel Number 05	FF	FF	FF	FF	FF	FF	FF	FF	A/P	00	00
Tel Number 06	FF	FF	FF	FF	FF	FF	FF	FF	A/P	00	00
Tel Number 07	FF	FF	FF	FF	FF	FF	FF	FF	A/P	00	00

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Tel Number 01: enter a Local Offsite or ARC telephone number to be used for outbound Offsite Call Routing; 2 digits per field. FF = disabled. Also see section 4.4 for Tenants Call Routing.

A/P (Attempts/Protocol): enter the number of dial Attempts 01 to 15 and Protocol type 00 = Local Offsite, 01 = TT92, 02 = BS8521 or 03 = Digital (BS8521-2 Now IP) for Tel Number 01.

Repeat for Tel Numbers 02-07.

Press the button to save all changes before leaving the page.

Press the arrow to setup **Tel Numbers 08-14**.

Press the again to setup **Tel Numbers 15-16** and the **Dial Sequence**;

Advent XT2 - Offsite Routing Numbers

Tel Number 15	FF	FF	FF	FF	FF	FF	FF	FF	A/P	00	00
Tel Number 16	FF	FF	FF	FF	FF	FF	FF	FF	A/P	00	00
Dial Sequence 01	01	03	00	00	00	00	00	00			
Dial Sequence 02	02	04	00	00	00	00	00	00			

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Dial Sequence 01: enter a dial sequence of up to 8 different telephone numbers 01 to 16 for PSTN line 01.

Dial Sequence 02: enter a dial sequence of up to 8 different telephone numbers 01 to 16 for PSTN line 02.

Press the button to save all changes before leaving the page.

Press the arrow to return to the previous page.

4.15 INPUTS & OUTPUTS

To setup the 4 inputs and 4 relay outputs on the XT2 Controller select **Inputs & Outputs** from the System Settings Menu;

Advent XT2 - Inputs & Outputs

Aux Input Alarms (1-4)	00	00	00	46
Aux Alarm Codes (1-4)	0000	0000	0000	3999
Aux DTMF Relays (1-4)	FF	FF	FF	FF
Aux Relay Timers (1-4)	00	00	00	00

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8 9 A B C D E F

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Aux Input Alarms (1-4): enter the 2-digit Sensor Type code for each of the 4 inputs on the XT2 Controller. The 4 fields represent input 1 to input 4 from left to right. 00 = not assigned, input 4 default 46 = Fire. *See Appendix 7.1 at the back of this manual for a full list of Sensor Type codes that can be used for inputs 1 to 3.*

Aux Alarm Codes (1-4): enter the 4-digit alarm code* that will be reported to the ARC in offsite mode for each of the 4 inputs above. The 4 fields represent input 1 to input 4 from left to right. 0000 = not assigned, input 4 default 3999 = Fire Alarm. **Note: specific codes may be issued by the ARC.*

Aux DTMF Relays (1-4): the 4 fields represent relay output 1 to relay output 4 from left to right.

Output 1: leave as FF and output 1 will activate for the duration of any alarm, or enter the DTMF key used to activate output 1 - can be set to 03, 04, 08 or 09 only.

Output 2: leave as FF and output 2 will activate for the same duration input 4 is activated (used to release the door lock with Fire Alarm input), or enter the DTMF key used to activate output 2 - can be set to 03, 04, 08 or 09 only.

Output 3: leave as FF if not used, or enter the DTMF key used to activate output 3 - can be set to 03, 04, 08 or 09 only.

Output 4: leave as FF and output 4 will activate for the duration of a Telephone Line Fault, or enter the DTMF key used to activate output 4 - can be set to 03, 04, 08 or 09 only.

Aux Relay Timers (1-4): enter the time for which each of the 4 relay outputs on the XT2 Controller remain energised if set as a DTMF characters; default = 10, can be 01 to 99 seconds. The 4 fields represent output 1 to output 4 from left to right. 00 to disable.

Press the  button to save all changes before leaving the page.

Press the forward arrow  to go to the next channel or press the  arrow to return to the previous page.

4.16 SYSTEM TIMERS

Select **System Timers** from the System Settings Menu to setup the following;

 Advent XT2 - System Timers

Onsite Alarm	0360	Onsite Audio	0360
L-Offsite Hold	0060	L-Offsite Audio	0120
R-Offsite Hold	0060	R-Offsite Audio	0360
Dial-in Hold	0060	PSTN Line Fault	0120
Duty Change Onsite	00 00	Duty Change L-Off	00 00
Duty Change R-Off	00 00	Duty Change Alarm	☐
Duty Change Days	☐ ☐ ☐ ☐ ☐ ☐ ☐		

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0	1	2	3	4	5	6	7
8	9	A	B	C	D	E	F




Onsite Alarm: enter the maximum time an onsite call can remain unanswered before being automatically switched offsite; default = 0360, can be changed from 0001 to 9999 seconds. *Note: the maximum time a smoke alarm or fire alarm call can remain unanswered before being automatically switched offsite is fixed at 30 seconds.*

Onsite Audio: enter the maximum speech time for an onsite call; default = 0360, can be changed from 0001 to 9999 seconds.

L-Offsite Hold: enter the maximum time a local offsite call will wait to be answered, default 0060, can be changed from 0001 to 9999 seconds.

L-Offsite Audio: enter the maximum speech time for a local offsite call; default = 0120, can be changed from 0001 to 9999 seconds.

L-Off Callback: enter the maximum speech time when a Mobile Carer calls a resident back in local offsite mode; default = 0060, can be changed from 0001 to 9999 seconds.

R-Offsite Hold: enter the maximum time a remote offsite call will wait to be answered; default 0060, can be changed from 0001 to 9999 seconds.

R-Offsite Audio: enter the maximum speech time for a remote offsite call; default = 0360, can be changed from 0001 to 9999 seconds.

R-Off Callback: enter the maximum speech time when an Alarm Receiving Centre calls a resident back in remote offsite mode; default = 0360, can be changed from 0001 to 9999 seconds.

Dial in Hold: enter the maximum time the system will wait between an Alarm Receiving Centre ringing-in and calling a resident back in remote offsite mode; default = 0060, can be changed from 0001 to 9999 secs.

PSTN Line Fault: enter the delay before telephone line fault is reported, default = 120, can be changed from 0001 to 9999 seconds.

E-Care Repeat: enter the maximum time between cancelling an Extracare call via the DECT handset and visiting the intercom to perform a manual reset; default 10 mins, can be changed from 0001 to 9999 mins.

Duty Change Onsite: enter the hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want the system to automatically select onsite mode.

Duty Change L-Off: enter the hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want the system to automatically select local offsite mode.

Duty Change R-Off: enter the hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want the system to automatically select remote offsite mode.

Duty Change Alarm: set checkbox ☒ to enable a duty change alarm. Clear the checkbox ☐ for no duty change alarm.

Duty Change Days: set the checkboxes ☒ to enable which days of the week you want the Duty Change function to operate. The seven checkboxes represent Monday to Sunday from left to right.

Press the  button to save all changes before leaving the page.

Press the  arrow to return to the previous page.

4.17 SYSTEM FAULT CODES

To change the system fault codes that are automatically reported to the Alarm Receiving Centre select **System Fault Codes** from the System Settings Menu;

Advent XT2 - System Fault Codes

Mains Restore	4799	Mains Fail	4798	Low Battery	4793
24V Fault	4794	12V Fault	4792	PSTN Fault 01	3797
PSTN Restore 01	3796	PSTN Fault 02	4797	PSTN Restore 02	4796
Auto Alarm	4785	Warden Onsite	4901	Warden Offsite	4902
Fire Alarm	3999				

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8 9 A B C D E F

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Mains Restore: enter the code for system mains supply restored; default (4)799.

Mains Fail: enter the code for system mains supply failure; default (4)798.

Low Battery: enter the code for system battery supply running low; default (4)793.

24V Fault: enter the code for system 24V fuse blown; default (4)794.

12V Fault: enter the code for system 12V fuse blown; default (4)792.

PSTN Fault 01: enter the code for system telephone line 1 fault; default (3)797.

PSTN Restore 01: enter the code for system telephone line 1 restored; default (3)796.

PSTN Fault 02: enter the code for system telephone line 2 fault; default (4)797.

PSTN Restore 02: enter the code for system telephone line 2 restored; default (4)796.

Auto Alarm: enter the code for a daily automatic test alarm call; default (4)785.

Warden Onsite: enter the code for system switched to onsite mode; default (4)901.

Warden Offsite: enter the code for system switched to remote offsite mode; default (4)902.

Fire Alarm: enter the code for fire alarm system activated; default (3)999.

Press the  button to save all changes before leaving the page.

Press the  arrow to return to the previous page.

4.18 DEVICE FAULT CODES

To change the device fault codes that are automatically reported to the Alarm Receiving Centre select **Device Fault Codes** from the System Settings Menu to setup the following;

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 Advent XT2 - Device Fault Codes


NTR Faults (1-8)	4800	4801	4802	4803	4804	4805	4806	4807
NTR Faults (9-16)	4808	4809	4810	4811	4812	4813	4814	4815
NTR Faults (17-24)	4816	4817	4818	4819	4820	4821	4822	4823
NTR Faults (25-32)	4824	4825	4826	4827	4828	4829	4830	4831
NPD Faults (1-8)	4833	4834	4835	4836	4837	4838	4839	4840
NPD Faults (9-16)	4841	4842	4843	4844	4845	4846	4847	4848

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NTR Faults (1-8): enter the codes for Network Receivers 1 to 8 fault; default 4800 to 4807.

NTR Faults (9-16): enter the codes for Network Receivers 9 to 16 fault; default 4808 to 4815.

NTR Faults (17-24): enter the codes for Network Receivers 17 to 24 fault; default 4816 to 4823.

NTR Faults (25-32): enter the codes for Network Receivers 25 to 32 fault; default 4824 to 4831.

NPD Faults (1-8): enter the codes for Network Door Panels 1 to 8 fault; default 4833 to 4840.

NPD Faults (9-16): enter the codes for Network Door Panels 9 to 16 fault; default 4841 to 4848.

Press the  button to save all changes before leaving the page.

Press the  arrow to return to the previous page.

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4.19 DOOR ENTRY SETUP

Select **Door Entry Setup** from the System Settings Menu to setup the following;

Advent XT2 - Door Entry Setup

Unit Range 0001 0001 001

Speech Timeout 0060 Lock Timeout 0010 Timed Coded Access ☐

Coded Access Start 00 00 00 00 00 00 00 00

Coded Access Stop 00 00 00 00 00 00 00 00

Access Codes (1-4) 0000 0000 0000 0000 VOX Sensitivity 02

Trade Start Time 01 00 00 00 00 00 00 00

Trade Stop Time 01 00 00 00 00 00 00 00

Forward to next page

Back to previous page

Unit Range: enter the same door panel ID in both fields to setup a single door panel or enter the first and last door panel ID's to block program multiple panels with the same settings.

Speech Timeout: enter the maximum speech time for a door entry call; default 60 seconds, can be changed from 0000 to 0255 seconds. *Note: this timer is terminated after a lock release or telephone replaced on-hook.*

Lock Timeout: enter the maximum lock release time; default 10 seconds, can be changed from 0000 to 0255 seconds. *Note: if door status contact is connected this timer will be terminated when the door is opened.*

Timed Coded Access: set checkbox ☒ to enable access codes to function during specific time periods only. Clear the checkbox ☐ for access codes to operate at any time.

Coded Access Start: enter the hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want up to 4 different access code time periods to start. The 4 fields represent access codes 1 to 4 from left to right. FFFF = not assigned.

Coded Access Stop: enter the hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want up to 4 different access code time periods to stop. The 4 fields represent access codes 1 to 4 from left to right. FFFF = not assigned.

Access Codes (1-4): enter up to 4 different 4 digit access codes. The 4 fields represent access codes 1 to 4 from left to right. FFFF = not assigned.

VOX Sensitivity: enter the VOX (voice switching) sensitivity level 01 to 04 (Default 02) for the door entry panel. This is the level at which speech from the door panel to the resident is switched - see below for V3.00a onward;

VOX Sensitivity		
Level	Gain	Notes
01	0.5	Least Sensitive
02	0.6	Default
03	0.7	
04	0.8	Most Sensitive

4.19 DOOR ENTRY SETUP - CONTINUED

Trade Start Time 01: enter the hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want up to 3 different Trade time periods to start for **Monday**. The 3 pairs of 2-digit fields represent 3 different trade start times for Monday from left to right. FFFF = not assigned.

Trade Stop Time 01: enter the hour 00 to 23 in the first 2-digit field and minutes 00 to 59 in the second 2-digit field when you want up to 3 different Trade time periods to stop for **Monday**. The 3 pairs of 2-digit fields represent 3 different trade stop times for Monday from left to right. FFFF = not assigned.

Repeat for Trade Start Time 02-07 and Trade Stop Times 02-07.

Press the  button to save all changes before leaving the page.

Press the  arrow to setup **Trade Start/Stop Times 02-04** (Tuesday/Wednesday/Thursday).

Press the  button to save all changes before leaving the page.

Press the  again to setup **Trade Start/Stop Times 05-07** (Friday/Saturday/Sunday).

Press the  button to save all changes before leaving the page.

Press the  arrow to return to the previous page.

Press the forward arrow  to go to the next door panel number.

5.1 SYSTEM CONFIGURATION - RADIO DEVICES

If 869MHz Pendants and/or 869MHz Telecare devices are being used select **Radio Devices** from the System Configuration group on the Main Menu to setup the following;

Advent XT2 - Radio Devices Tenant 001

RF ID/Location 01	00	00	00	00	00	00	00	001
RF ID/Location 02	00	00	00	00	00	00	00	
RF ID/Location 03	00	00	00	00	00	00	00	
RF ID/Location 04	00	00	00	00	00	00	00	
RF ID/Location 05	00	00	00	00	00	00	00	
RF ID/Location 06	00	00	00	00	00	00	00	

Forward to next page

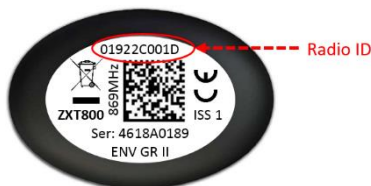
Back to previous page

0 1 2 3 4 5 6 7

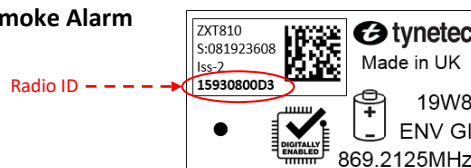
8 9 A B C D E F

The 2 digit AALRP equipment type code, 10 digit radio ID and 2 digit location code will need to be entered for each 869MHz radio device assigned to each flat, max 16 devices per flat. The 10 digit radio ID will be printed on a label on each radio device, see examples below;

Pendant



Smoke Alarm



RF ID/Location 01: enter the following in the seven 2-digit fields associated with radio device 01 in flat 001;
Enter the 2 digit AALRP Equipment Type code in the first field – see Appendix 7.4 at the back of this manual.
Enter the 10 digit Radio ID in the next five fields – this is taken from the label on the radio device.
Enter the 2 digit Location Code in the last field – see Appendix 7.2 at the back of this manual.
Enter more radio devices for the same flat in **RF ID/Locations 02-06**.

Press the button to save all changes before leaving the page.

Press the forward arrow to go to the next flat number.

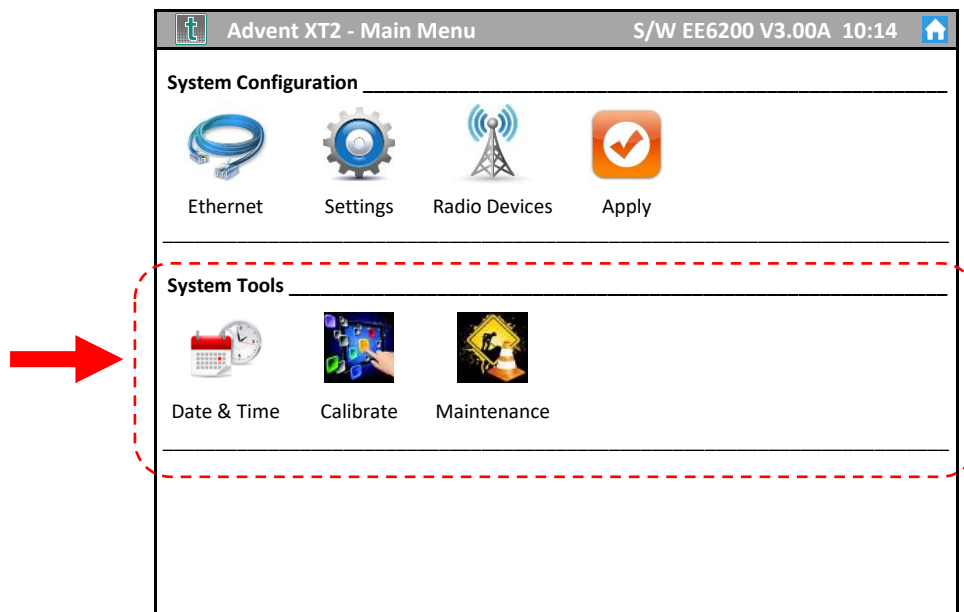
Press the arrow to setup RF ID/Locations 07-12.

Press the again to setup RF ID/Locations 13-16.

Press the arrow to return to the previous page.

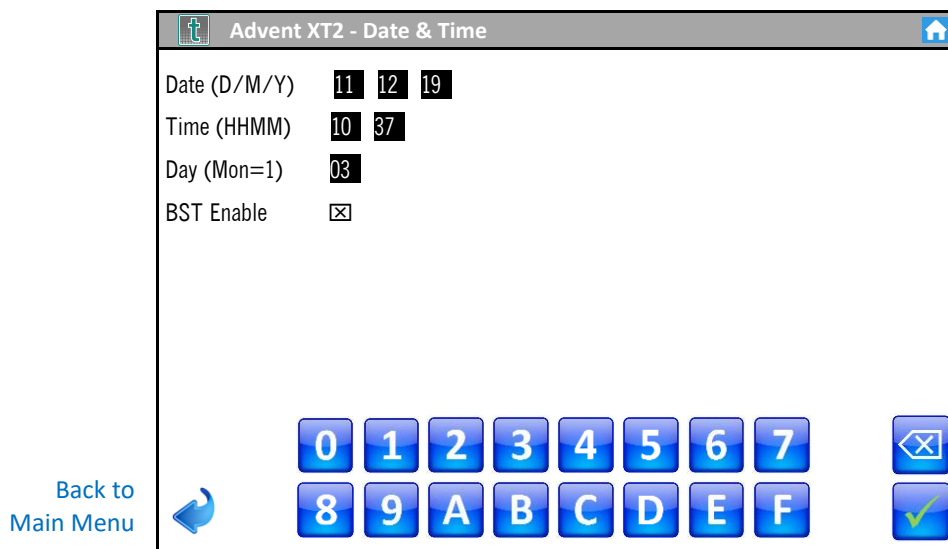
6. SYSTEM TOOLS

System Tools is accessed from the Main Menu (Home Page);



6.1 DATE & TIME

To set the system date & time select **Date & Time** from the System Tools group on the Main Menu;



Date (D/M/Y): enter the current date 01 to 31 in the first 2-digit field, month 01 to 12 (Jan-Dec) in the second 2-digit field and the year 00 to 99 in the third 2-digit field.

Time (HHMM): enter the current time hours 00 to 23 in the first 2-digit field and the minutes 00 to 59 in the second 2-digit field.

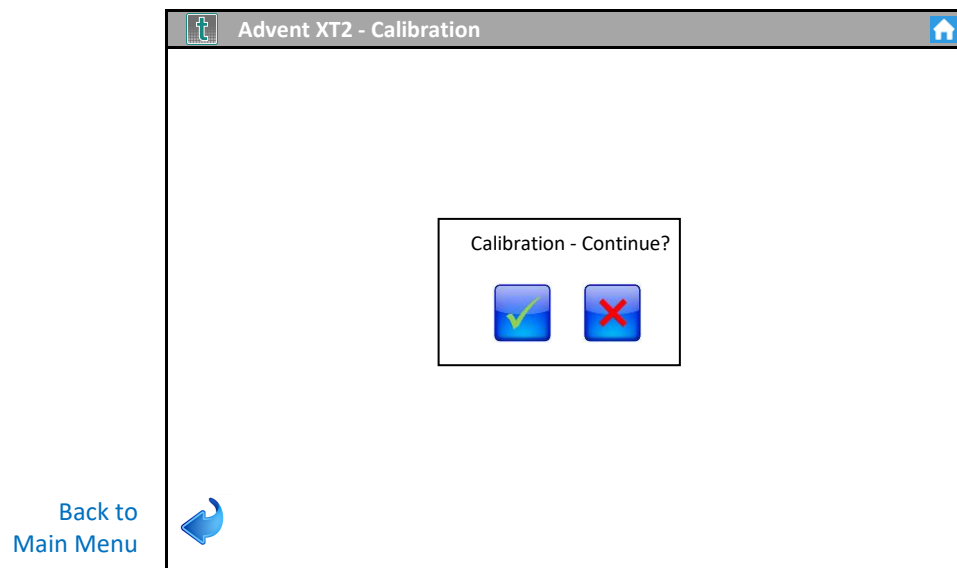
Days (Mon=1): enter the current day 01 to 07, day 01 is Monday.

BST Enable: set checkbox ☒ to enable automatic British Summer Time +/- 1 hour clock adjustments every March and October. Clear the checkbox ☐ to disable auto-BST adjustments.

Press the  arrow to return to the Main Menu.

6.2 CALIBRATE

If the XT2 programming screen is not responding correctly to button presses, select **Calibrate** from the System Tools group on the Main Menu to recalibrate the touch screen;

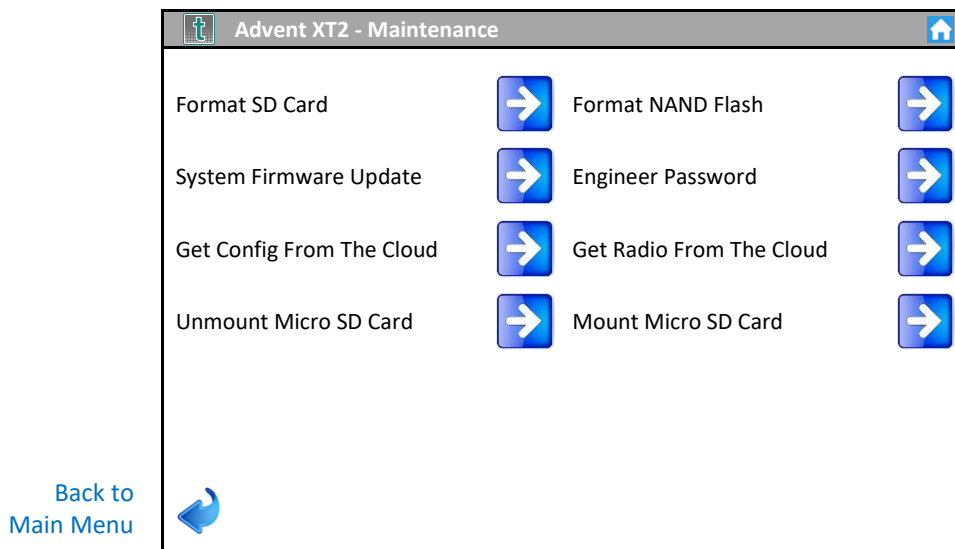


Press the  button to recalibrate the touch screen or press  to exit the screen. Follow the onscreen prompts to recalibrate.

Press the  arrow to return to the Main Menu.

6.3 MAINTENANCE

Select **Maintenance** from the System Tools group on the Main Menu to display the following;



Format SD Card: follow on-screen prompts.

System Firmware Update:

Switch-off the XT2 system and remove the SD card from the motherboard.

Using a PC, copy the new firmware "**AdventXT2.bin**" file onto the SD card overwriting the existing file.

Refit the SD card into the XT2 system and switch-on.

Select **Maintenance** from the System Tools group on the Main Menu to display the screen shown above.

Select **System Firmware Update** and press Apply.

The firmware will be updated and the XT2 system will re-start.

Select **Maintenance** from the System Tools group on the Main Menu to display the screen shown above.

Select **Format NAND Flash** and press **Apply**.

Engineer Password: change the Engineers password

Get Config From The Cloud: when the Cloud is enabled this requests the full site configuration from the Cloud.

Get Radio From The Cloud: when the Cloud is enabled this requests the radio device configuration from the Cloud.

Unmount Micro SD Card: allows the Micro SD Card to be safely removed.

Mount Micro SD Card: allows the Micro SD Card to be safely fitted.

Press the  arrow to return to the Main Menu.

7. APPENDIX

7.1 SENSOR TYPE CODES

12	Ceiling Pullcord	35	Wander 2
18	Bogus Caller	36	Epilepsy
20	Personal Trigger 1	37	Bathroom Occupancy
21	Personal Trigger 2	38	Chair Occupancy
22	Fall Trigger 1	41	High Temperature
23	Fall Trigger 2	42	Low Temperature
24	Personal Attack 1	43	Smoke
25	Personal Attack 2	44	Natural Gas
26	Panic Button	48	Heat
30	PIR Detector - Inactivity	49	Carbon Monoxide
30	Inactivity	50	PIR Detector - Intruder
31	Pill Dispenser	50	Intruder
32	Enuresis	58	Door Open
33	Bed Occupancy	80	Flood
34	Wander 1		

7.2 LOCATION CODES

00	Not Assigned	20	Toilet (downstairs)	40	Common Room (main)
01	Local Unit	21	Toilet (other)	41	Common Room (other)
02	Hallway (downstairs)	22	Kitchen (main)	42	Lift (main)
03	Hallway (upstairs)	23	Kitchen 2	43	Lift 2
04	Stairs (main)	24	Kitchen Area (other)	44	Lift (other)
05	Stairs (2nd)	25	Utility Room (main)	45	Front Gate
06	Landing	26	Utility Room (other)	46	Rear Gate
07	Bedroom 1 (master)	27	Entrance/Lobby	47	Outbuilding (main)
08	Bedroom 2	28	Front Door (main)	48	Shed
09	Bedroom 3 (other)	29	Front Door (other)	49	Outbuilding/Shed
10	Bedroom 4 (guest)	30	Back Door (main)	50	Garden (front)
11	Living Room (main)	31	Back Door (other)	51	Garden (rear)
12	Living Room 2	32	Garage (main)	52	Garden (other)
13	Living Area (other)	33	Garage (other)	53	Basement/Cellar
14	Dining Room (main)	34	Workshop	54	Ground Floor
15	Dining Room 2	35	Laundry (main)	55	Bin Store
16	Dining Area (other)	36	Laundry (other)	56	Boiler Room
17	Bathroom (main)	37	Office (main)	57	Attic
18	Bathroom 2	38	Study/Office (other)	58	
19	Toilet (upstairs)	39	Games Room	59	

7.3 CUSTOM SPEECH MESSAGE CODES

000	Zero	064	Low battery	128	Location code	192	
001	One	065	Onsite mode	129	Wandering alarm	193	
002	Two	066	Local offsite mode	130	Busy	194	
003	Three	067	Remote offsite mode	131	Disconnect tone	195	
004	Four	068	And	132	Please wait	196	
005	Five	069	Site	133	Call waiting tone	197	
006	Six	070	Mains restore	134	Message	198	
007	Seven	071	Mains fail	135	Tenants check	199	
008	Eight	072	System battery low	136	No response	200	
009	Nine	073	24V fuse blown	137	Corridor	201	
010	Ten	074	12V fuse blown	138	Lounge	202	
011	Eleven	075	Fire alarm	139	Guest room	203	
012	Twelve	076	PSTN line fault	140	Bungalow	204	
013	Thirteen	077	PSTN line restore	141	Shower	205	
014	Fourteen	078	System	142	North	206	
015	Fifteen	079	Network	143	East	207	
016	Sixteen	080	Receiver	144	South	208	
017	Seventeen	081	Spare	145	West	209	
018	Eighteen	082	Door panel	146	Library	210	
019	Nineteen	083	Fault	147	Hobby	211	
020	Twenty	084	Local unit	148	Hairdresser	212	
021	Thirty	085	Hallway	149	Telephone	213	
022	Forty	086	Stairs	150	Gents	214	
023	Fifty	087	Landing	151	Ladies	215	
024	Sixty	088	Bedroom	152	Foyer	216	
025	Seventy	089	Living	153	Key safe	217	
026	Eighty	090	Dining	154	Control rack	218	
027	Ninety	091	Bathroom	155	Quiet room	219	
028	Hundred	092	Toilet	156	Conservatory	220	
029	Thousand	093	Kitchen	157	House	221	
030	Ready	094	Utility	158	Manager	222	
031	Incorrect entry	095	Entrance	159	Test	223	
032	Please try again	096	Lobby	160	TV	224	
033	Flat	097	Front	161	Staff	225	
034	Parked	098	Door	162	Meeting	226	
035	Tenant OK	099	Rear	163	A	227	
036	Time	100	Garage	164	B	228	
037	Date	101	Workshop	165	C	229	
038	Day and Year	102	Laundry	166	D	230	
039	Alarm	103	Office	167	E	231	
040	Intercom	104	Study	168	F	232	
041	Pullcord	105	Games	169	Community room	233	
042	Boundary	106	Common room	170	Changing	234	
043	Pendant	107	Lift	171	Drugs cabinet	235	
044	Fall	108	Gate	172	First	236	
045	Attack	109	Outbuilding	173	Second	237	
046	Inactivity	110	Shed	174	Third	238	
047	Pill Dispenser	111	Garden	175	Fourth	239	
048	Enuresis	112	Basement	176	Fifth	240	
049	Epilepsy	113	Cellar	177	Sixth	241	
050	Bed occupancy	114	Ground	178	Reception	242	
051	Chair occupancy	115	Floor	179	IT	243	
052	Bath occupancy	116	Bin store	180	Computer	244	
053	High temperature	117	Boiler	181	Wheelchair	245	
054	Low temperature	118	Attic	182	Fire exit	246	
055	Smoke	119	Up	183	Smoking	247	
056	Gas	120	Down	184	Shop	248	
057	Carbon Monoxide	121	Area	185	Physiotherapy	249	
058	Intruder	122	Room	186	Fitness	250	
059	EMA	123	Operations mode	187	Atrium	251	
060	Open circuit	124	Radio device	188	Unit	252	
061	Flood	125	Enable	189		253	
062	Heat	126	Disable	190		254	
063	Door contact	127	Enter	191		255	

7.4 AALRP EQUIPMENT TYPE CODES

01	Personal Trigger 1	TBC	Bathroom Occupancy
01	Personal Trigger 2	07	Epilepsy
10	Pullcord	19	Wander 1
09	Fall Trigger 1	19	Wander 2
09	Fall Trigger 2	0D	High Temperature
15	Personal Attack 1	0D	Low Temperature
15	Personal Attack 2	0D	Heat
14	Panic Button	04	Smoke
02	PIR Detector	0B	Natural Gas
13	Pill Dispenser	0C	Carbon Monoxide
12	Enuresis	0E	Flood
06	Bed Occupancy	05	Door Contact
1A	Chair Occupancy	TBC	Combined Gas & CO

7.5 COMPATIBILITY MODE

Compatibility mode can be enabled on the **Tenants Units Create/Edit** page when an Advent XT system is being upgraded to XT2. This will allow the existing XT intercoms to function until they are all replaced by new XT2 intercoms.

Whilst the XT2 system has Compatibility mode enabled the 2nd PSTN line should NOT be connected.

The reason for this is as follows; when switched to offsite mode, the XT2 system will route alarms via its available PSTN lines. If an alarm call is made on an XT intercom in compatibility mode it will only connect offsite via PSTN line 1 as the XT intercom can only connect on audio channel 1. If there is a PSTN fault on line 1 but not PSTN line 2 the system will remain in offsite mode routing alarms via PSTN line 2. Since XT intercoms cannot be routed via PSTN line 2 the alarm is stuck until PSTN line 1 fault is rectified.

Note: if PSTN line 2 is not connected when PSTN line 1 fails the system will jump back to onsite mode to report the alarm, only returning to offsite mode if the PSTN line is restored.

8. AMENDMENTS RECORD

The table below lists significant changes to this manual;

Issue	Amendments	Date
1	Preliminary issue	16/08/18
2	First Release	27/09/18
3	Appendix 7.3 Custom Speech list corrected	26/02/19
4	Radio Device programming & Appendix 7.4 corrected, Appendix 7.5 added	13/03/19
5	Edit-out un-wanted Flat ID note added, Firmware Upgrade added	18/09/19
6	Updated for V2.00a firmware. Engineer Password added, Digital ARC SIP setup and Cloud Connectivity added, Remote Offsite DTMF Park character default changed, Door Panel Volume Levels changed, Door Panel VOX Sensitivity Levels changed and Door Entry Trade Times changed.	26/11/19
7	Updated for V2.02a firmware. Door panel enable/progress feature available, Offsite VOX Levels changed, Door Panel VOX Sensitivity Levels changed. Tenants I/O Expander Unit updated.	10/02/20
8	GSM enable function not used. More info added for Offsite Vox Level and Door Panel Volume settings. DTMF key 7 removed from options to activate DTMF relay outputs 1-4. Relay output 3 line selector function removed. Error from issue 7 corrected: Door Panel Volume setting removed.	02/10/20
9	Updated for V3.00a firmware. Diagnostics and System Log buttons removed from the Main Menu (page 4). CSL Mobile Broadband Router setup added (page 7). New protocol option 03 added for Digital BS8521-2 NowIP (pages 15, 16 & 27). New call route option 02 added for Digital Offsite BS8521-2 NowIP (pages 16 & 17). Tenants Virtual Sensors, Tenants Service Provider & Onsite Routing Numbers removed. Offsite VOX Level and Door Panel Volume tables for V3.00a onwards only (page 26). Added System Timers note ref. onsite smoke alarm and fire alarm timeout is fixed at 30 seconds (page 29). System Fault Codes for PSTN Fault/Restore and fire Alarm corrected (page 30). VOX Sensitivity Level table for V3.00a onwards only (page 32). Maintenance: Unmount and Mount Micro SD card options added (page 37).	18/02/21
10	Warden Message checkbox function corrected in section 4.3 Tenants Units Create/Edit (page 14). Protocol types added for <u>inbound</u> calls from the ARC to the XT2 added to section 4.12 Offsite PSTN Setup (page 25). Protocol type for <u>outbound</u> calls from the XT2 to the ARC is entered in section 4.14 Offsite Routing Numbers (page 27). Sensor Type Code 46 (Fire) is only used for Aux Input 4 – see section 4.15 Inputs & outputs (page 28). Code 46 has been removed from Appendix 7.1 Sensor Type Code list (page 38).	01/10/21