

# ENFORCER X

## USER GUIDE



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# HOMECONTROL2.0

Extending the capabilities of security control



**Simple and intuitive to use**



**Constantly evolving**



**Detailed history of events**



**Biometric login  
(FaceID/Touch ID (iOS) and Android equivalents)**



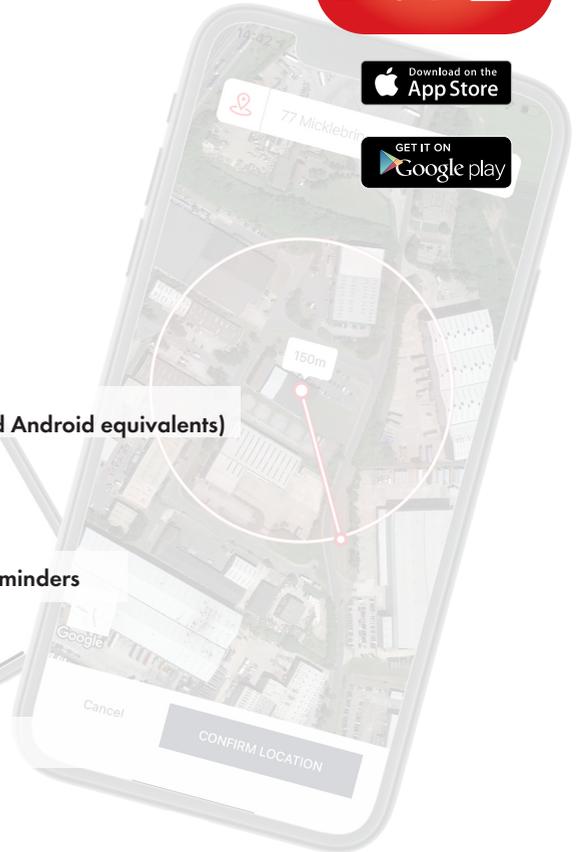
**Geofence alerts for easy reminders**



**Smart plug control**



**Voice push notifications**



Scan the QR code to find out more and to download HomeControl2.0



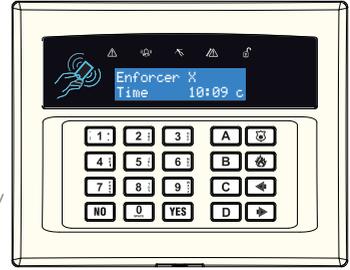
<https://bit.ly/2Pi2GZN>

# ARMING DEVICES

## WIRED KEYPADS

### Keypad keys

- A** = Exits to day mode from main menu and selects level A when arming.
- B** = Moves backwards in menus and selects level B when arming.
- C** = Enables chime, displays additional information in the event log, and selects level C when arming.
- D** = Moves forward in the log, scrolls between options, enables code entry to master or user menus and selects level D when arming.
- = Not used unless specifically enabled by installation company.
- = Directional buttons and enables/disables functions.
- YES** = Enters menus and accepts programming preferences.
- NO** = Cancels items, resets the panel and moves to next item in a menu item.



### Keypad LEDs



**Alert LED**  
Indicates there is information waiting to be read.



**Alarm LED**  
Shows alarm activations.



**Tamper LED**  
Shows tamper activations.



**Fault LED**  
Shows system faults.



**Disarmed LED**  
Shows system is disarmed.



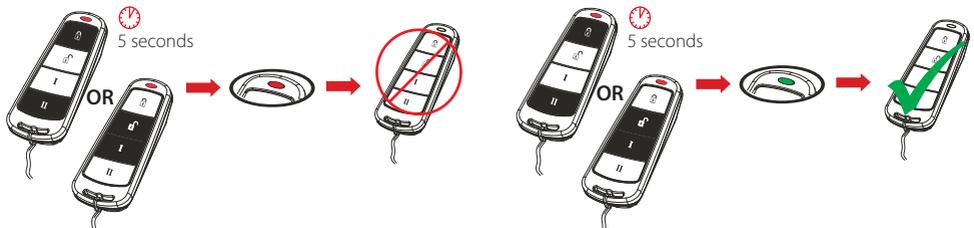
**Proximity tag LED**  
Present tag here to arm/disarm system.

## WIRELESS KEYFOBS

The wireless keyfob has four buttons that may be programmed for specific purposes, these options are programmed in the **'LEARN USER CODES KEYFOBS & TAGS?'** section.

### Locking the keyfob

All four buttons on the keyfob may be locked so that any accidental presses will not affect your wireless alarm system. For example, this protects the buttons from being pressed accidentally if a keyfob is in someone's pocket.



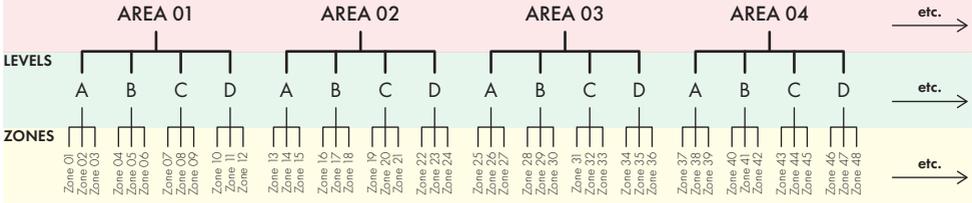
# ARMING THE SYSTEM

## Example set-up

This example will be used to refer to throughout this section to further explain the arming procedure.

- User 001 has access to areas 01, 02, 03 and 04.
- User 002 has access to areas 01 and 02.
- User 003 has access to area 01.

### AREAS



## ARMING A MULTI-AREA SYSTEM AT A KEYPAD

### Arming all areas

Enter a valid PIN code or present a valid tag to the symbol.



To arm all areas **level A**, press **YES**.



The keypad will now display the exit timer, leave the building via the agreed exit route and make sure the exit door is closed properly.



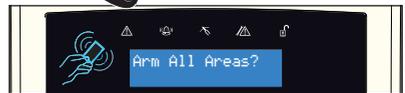
### Arming individual areas

**Please note: If the keypad is left without a button press for 10 seconds, the display will return to day mode.**

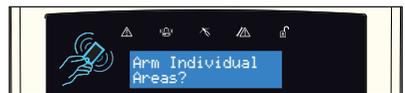
Enter a valid PIN code or present a valid tag to the symbol.



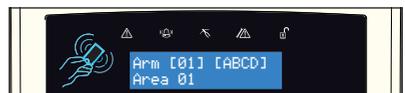
Press **NO** to arm individual area(s) and level(s).



Press **YES** to arm individual area(s) and level(s).



Using the numerical keys, enter the number of the area that is to be armed or press **B**/**D** to scroll through the areas accessible to that user.



Once the area to be armed is on the display, use **A**, **B**, **C** or **D** to select the level. Once selected, press **YES**.

### Example referral

If **Area 02 level B** was selected, the following zones will arm:

- Zones 16-18

If **Area 03 level D** was selected, the following zones will arm:

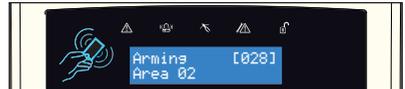
- Zones 34-36



The keypad will now display 'Arm Another Area?'. Press **YES** to arm another area or **NO** to start the exit timer.



The keypad will now display the exit timer, leave the building via the agreed exit route and make sure the exit door is closed properly.

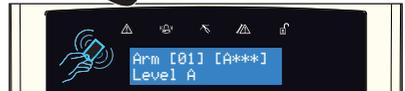


## ARMING A SINGLE AREA SYSTEM AT A KEYPAD

Enter a valid PIN code or present a valid tag to the symbol.



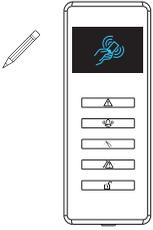
Using **A**, **B**, **C** or **D**, enter the level that is to be armed then press **YES**.



The keypad will now display the exit timer, leave the building via the agreed exit route and make sure the exit door is closed properly.



## USING A PROXIMITY TAG AT A READER



Present a proximity tag to the reader and the system will begin the exit time immediately.

---

**Please note: The system will arm depending on a combination of permissions programmed to the reader and the access the user has. Speak to the installation company for more details.**

---

## USING THE WIRELESS KEYFOB

To arm via a keyfob. Press  and hold for less than 2 seconds.

The keyfob LED will start to flash green indicating that the system is starting to arm.

'Please wait arming wireless' will be displayed on the keypad and the programmed area will begin to arm.

To 'quick arm', press and hold the  key again for four seconds.

Once armed, the keyfob LED will illuminate RED indicating that the system is now armed.



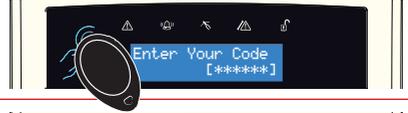
# DISARMING THE SYSTEM

## DISARMING A MULTI-AREA SYSTEM AT A KEYPAD

Enter the building, the 'entry time' will start.



Enter a valid PIN code or present a valid tag to the symbol as shown.



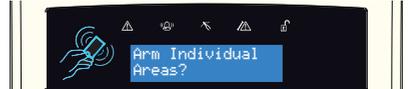
Press **NO**.

**Please note: This option will only appear if there are more areas that can be armed.**



Press **NO**.

**Please note: This option will only appear if there are more areas that can be armed.**



To disarm all the areas, press **YES**. To disarm individual areas press **NO**.



To disarm an individual area, press **YES**.



Enter the number of the area that is to be disarmed, and press **YES**.



The keypad will now display 'Disarm Another Area?'. Press **YES** to disarm another area or **NO** to disarm the selected areas.



If all areas are disarmed, the keypad will return to day mode.

If there are still armed areas, these will now be displayed on the keypad LCD. Press **NO** to return to day mode.



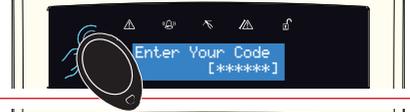
**Please note: If 'disarm choice' is disabled then the system will automatically disarm the areas armed once a valid user code or tag is presented.**

## DISARMING A SINGLE AREA SYSTEM AT A KEYPAD

Enter the building, the 'entry time' will start.



Enter a valid PIN code or present a valid tag to the symbol as shown.



The keypad will return to day mode.



## USING THE WIRELESS KEYFOB

To disarm via a keyfob. Press .

The keyfob LED will flash green indicating that the system has disarmed.



**Please note: Disarming with a keyfob will only be allowed if your installation company has enabled this.**



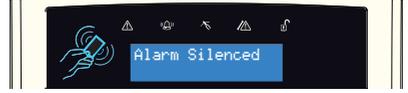
# DISARMING AFTER AN ALARM

## USING A PIN CODE OR PROXIMITY TAG

Enter a valid PIN code or present a valid tag to the symbol as shown.



The alarm or tamper symbol will flash indicating there has been an activation and the keypad will display which zone has activated.



Press **NO** to reset the system.

**Please note: If the keypad displays 'Restore required', please contact the installation company.**



## USING THE WIRELESS KEYFOB

To disarm via a keyfob. Press .

The keyfob LED will start to flash green indicating that the system has disarmed. Rearming the system after an alarm can only be done at the keypad.

**Please note: Disarming with a keyfob will only be allowed if your installation company has enabled this.**



# FAULT INDICATIONS & UNABLE TO ARM

## FAULT INDICATIONS

### Control panel

Any faults that occur on the system will be easily recognised by the flashing ALERT LED.



To see what the fault is, enter a valid PIN code, or present a valid tag, or press  on the keyfob.

Depending on how the system has been programmed by your installation company, it may be possible to arm the system with a fault, to do this press **YES**.



**Please note: Any fault may affect the overall performance of your alarm control panel and therefore your installation company should be contacted for further assistance if any fault is active.**

## UNABLE TO ARM

### Control panel indication

If 'unable to arm' is displayed, it indicates that a zone is open and the area where the zone is should be checked for open windows, pets, movement etc.

If the problem cannot be solved contact your installation company, or omit the zone.



# ADVANCED FUNCTIONS

## CHIME

The chime can be used for any zone on the system. This can be programmed by your installation company.

To enable the chime on the keypad, when the time is displayed, press **C**.

Press **C** again to cycle through 'c', 'C' and nothing.

Cycle	Display	Chime Noise
Nothing	N/A	Silent
Lower case c	c	Chime from keypad
Capital c	C	Chime from keypad and speakers on the system



## OMITTING ZONES

On occasion, a detector may need to be isolated if a room is occupied.

Start the arming procedure.

Once the exit timer is on the display, press **YES**.

Select the zones that need to be omitted.

Press **NO**.

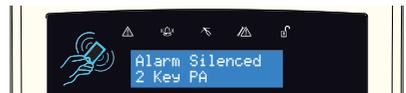
After 10 seconds the exit time continues.



**Please note: Zones have to be programmed as omissible by your installation company for this feature to operate.**

## KEYPAD PA

A 'panic' alarm will be generated when **1** and **7** are pressed and held down for 2 seconds. This feature, along with the length of time required for the keys to be pressed, are programmed by the installation company.



**Please note: The keyfob can also be programmed to initiate a panic alarm. All panic alarms including duress codes must be enabled by the installation company.**

# MASTER MANAGER MODE OVERVIEW

The Master Manager menu has the following functions:

**Please note:** Some of the following menus may not appear. The menu is dynamic, meaning that it will only display relevant menus which are impacted by equipment and programming. This is nothing to be concerned about.

## Omit Zones?

Omits any zone except PA and/or fire.

## Operate User Outputs?

Activates/deactivates user automation outputs that are used to remotely activate devices, such as electronic gates & lights.

## Date and Time?

Programs the date and time.

## Learn User Codes Keyfobs & Tags?

Adds/Edits/Deletes User PIN codes, tags and keyfobs.

## Review Log?

Displays all event log information.

## Wi-Fi Setup?

Adds or changes a Wi-Fi connection with your router.

## SMS Phonebook?

If SMS texting is enabled, there can be up to 10 mobile numbers programmed to send SMS alarms. .

**Please note:** Third party SIM cards only.

## Voice Phonebook?

Edits the telephone numbers that the panel is programmed to send voice messages to.

## Walk Test?

Tests each zone.

## Bell Test?

Tests all external sounders (wired or wireless).

## Allow Engineer Menu?

Enables or disables engineer access.

## Block Remote Arming?

Blocks remote arming from the web browser.

## Setup App?

Displays short code for adding the system to HomeControl2.0.

## Block UDL?

Blocks uploading/downloading from the web browser.

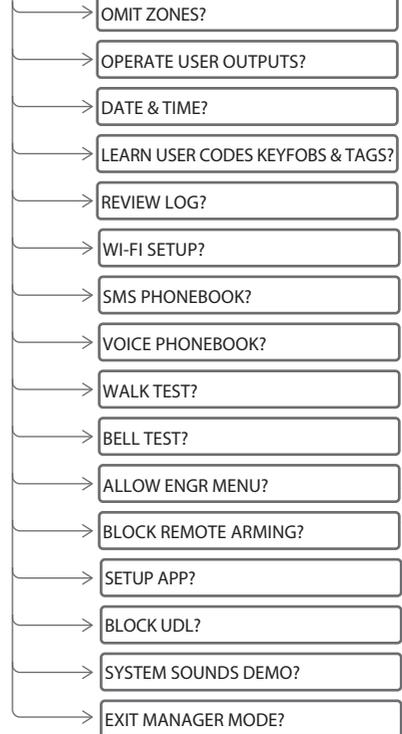
## System Sounds Demo?

Demonstrates all the sounds of the alarm system.

## Exit Manager Mode?

**Please note:** A User Code will only access the 'User Menu' which includes the functions: 'Operate User Outputs', 'Omit Zones', 'Change Code', 'Review Log', 'Walk Test', 'Bell Test', 'Allow Engineer Menu', and 'Exit User Menu'.

### MASTER MANAGER MENU



## ENTERING MASTER MANAGER MODE

Press **D**.

Enter the Master Manager code or present the Master Manager tag.

Press **B** or **NO** to scroll through the different functions.



## EXITING MASTER MANAGER MODE

Press **B** or **NO** keys to scroll through until **'EXIT MANAGER MODE?'** is displayed.

Press **YES**.

Or, when a main menu item is displayed (capital letters) press **A**.



# MASTER MANAGER MODE OPTIONS

## OMIT ZONES

OMIT ZONES?

Press **B** or **NO** to scroll to **'OMIT ZONES?'**.

Press **YES**.



Enter the zones you require to be omitted for the next arming procedure.

Press **YES**.

Press **NO** to return to the main menu.



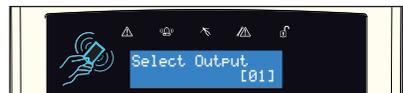
 **Please note: This option will not omit any PA and/or fire zones.**

## OPERATE USER OUTPUTS

OPERATE USER OUTPUTS?

This option toggles outputs that are programmed as 'User Outputs'.

Use the numerical keys or scroll using  or  until reaching the user output to trigger. Pressing **YES** toggles between on and off.



## DATE & TIME

DATE & TIME?

All log entries are date and time stamped. This can also be programmed in the Master Manager Mode. The time is also shown on the LCD in 'Day Mode'.



**Please note: Powering down the system will reset the time and date information unless communications are configured and the system reconnects to the data path on power up.**

### Timezone

Choose the timezone by scrolling through with **[B]** and **[D]** or enter the number of the city if known.

For example: [205] London, [018] Athens, [217] Madrid, and [268] Oslo.

### Change year

For the year 2022, enter 22.

### Change month

For March, enter 03.

### Change day

For 31st, enter 31.

### Change hours

Use 24 hour clock format. For 8pm enter 20:00.

### Change minutes

For 7:30, enter 30.

### Time Prompt

If set to '[1] Yes' the panel will prompt the user to manually update the time if the panel loses the current time; such as in the event of a power outage followed by depletion of the back up battery.

## LEARN USER CODES KEYFOBS & TAGS

LEARN USER CODES KEYFOBS & TAGS?



The 'LEARN USER CODES KEYFOBS & TAGS?' function allows adding, editing and deleting of both master manager and user codes, tags and keyfobs.

The control panel can have up to 500 users programmed. Each of the users are allocated a code, tag or a wireless keyfob.



**Please note: A maximum of 32 users can have a wireless keyfob allocated with the addition of a wireless ZEM to the system.**

## Area arm choice

Area arm choice allows you to choose which level/area to arm if a user code or tag is assigned to one or more levels/areas. If this function is disabled, when a user code is entered or proximity tag presented, the system will automatically arm the areas/levels that the user is assigned to.



**Please note: Any proximity tags used on a standalone tag reader must have area arm choice set to 'No'.**

## Adding a new user (code or proximity tag)

Press **B** or **NO** to scroll to **'LEARN USER CODES KEYFOBS & TAGS?'**.

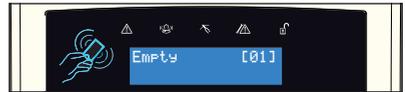
Press **YES**.



To add a new code, tag, or keyfob press **YES**. Press **NO** to delete or change a user code (see further down for details).



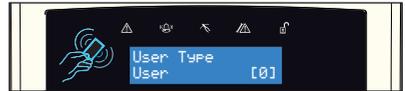
Press **◀** or **▶** to choose a user number. Press **YES**.



Enter the new code or present a tag. Once 'asterisks' appear, the tag or user code will be now assigned to this user. Press **YES**.



Press **◀** or **▶** to choose between 'User' or 'Manager'. Press **YES**.



The permissions must now be programmed for this user. Press **◀** or **▶** to toggle between 'Yes' or 'No' and press **YES** to move on to the next area.

Once finished, press **NO**.



Press **NO** until the LCD displays **'LEARN USER CODES KEYFOBS & TAGS?'** then press **A** to exit and save programming.



## Adding a new user (keyfob)

Press **B** or **NO** to scroll to '**LEARN USER CODES KEYFOBS & TAGS?**'

Press **YES**.



To add a new user, press **YES**. Press **NO** to delete or change a user code (see 'Deleting or Changing a User').



Press **←** or **→** to choose a user number. Press **YES**.



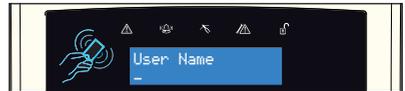
Press and hold **A** for 3 seconds and release. On release, 'asterisks' appear in the brackets and the keyfob is assigned to this user.

Press **YES**.



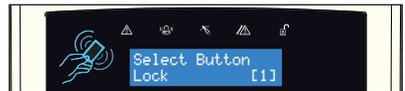
The 'User Name' will be displayed on the keypad.

Enter a user name for the keyfob and press **YES**.

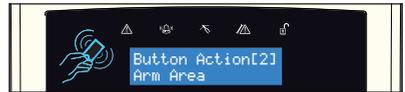


The buttons on the keyfob can now be tailored to the users needs.

Press **←** or **→** to choose the button to program. Press **YES**.



Press **←** or **→** to choose the action assigned to the button. Press **YES**.



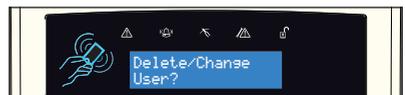
Press **NO** until the LCD displays '**LEARN USER CODES KEYFOBS & TAGS?**' then press **A** to exit and save programming.



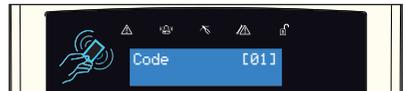
## Deleting or changing a user

### Deleting a user

Press **YES** to delete or change a user or **NO** to change the Master Manager code. See 'Change Master Manager Code'.



Press **←** or **→** to scroll through the users, or enter the user number and press **YES**.

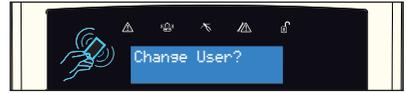


Press **YES** to delete a user, or press **NO** to change a user.



## Change user

Press **YES** to change a user code, and follow the screen shots previously shown to edit either code, tag or keyfob permissions.



## Change Master Manager code

To change the Master Manager Code, press **YES**.



Press **C** then enter the new code or present a tag. Press **YES**.



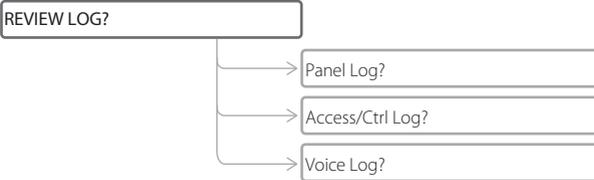
The permissions can now be edited for the manager. Press **←** or **→** to toggle between 'Yes' or 'No' and press **YES** to move on to the next area.



Press **NO** until the LCD displays '**LEARN USER CODES KEYFOBS & TAGS?**' then press **A** to exit and save programming.



## REVIEW LOGS



The 'Review Logs' function monitors all operational information of the wireless alarm system, such as arming/disarming information and alarm activations etc.

Press **B** or **NO** to scroll to '**REVIEW LOGS?**'

Press **YES**.



Press **YES**.



The most recent event will be displayed, press **B** or **D** to scroll backwards and forwards through the log.

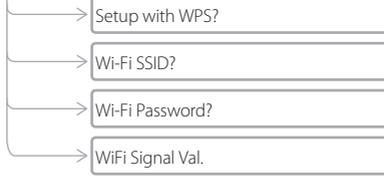


Press the **C** key to show more information (such as which zone activated, or which user armed the system etc.)



# WIFI-SETUP

WI-FI SETUP?



## Setup with WPS

1. Go into the Master Manager menu. Press **NO** until the option **'WI-FI SETUP?'** is displayed. Press **YES**.



2. **'Setup with WPS?'** will now be displayed, press **YES** and then **YES** again when the system asks 'Are You Sure?'



3. 'Connecting WPS Please Wait' will now be displayed, whilst the system searches for a router.



4. At this point, the router that the system is to connect to should be put in to WPS mode.

5. The panel will display a message to indicate when the system has successfully connected.

## Wi-Fi SSID

1. Go into the Master Manager menu. Press **NO** until the option **'WI-FI SETUP?'** is displayed. Press **YES**.



2. **'Setup with WPS?'** will now be displayed, press **NO**.



3. **'Wi-Fi SSID?'** will now be displayed, press **YES** and enter the SSID (name of the wireless network). Press **YES** to return to **'Wi-Fi SSID?'**.



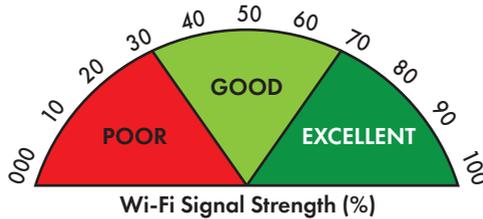
 **Please note:** Additional characters can be accessed by repeatedly pressing the **0** and **1** keys to scroll through the available glyphs.

## Wi-Fi password

- Press **[NO]** and the LCD will change to 'Wi-Fi Password?'
- Press **[YES]** and enter the password for the wireless network.
- Press **[YES]** to return to 'Wi-Fi Password?'



## Wi-Fi signal value



- Press **[NO]** and the panel will indicate the strength of the Wi-Fi signal.



- Press **[YES]** and the panel will display the Wi-Fi signal strength as a percentage.



**Please note:** It is not advised to install in poor locations where the Wi-Fi signal is 32% or less.

- Press **[YES]** and the panel will return to 'WI-FI SETUP?'. Press **[A]** to exit and save.



## SMS PHONEBOOK

SMS PHONEBOOK?

If SMS messaging has been enabled, this menu is used to edit the mobile numbers that the messages are delivered.

**[Left Arrow]** and **[Right Arrow]** can be used to move the cursor and **[C]** is used to delete any numbers/digits.

**Please note:** Only available if a cellular module is installed.

## VOICE PHONEBOOK

VOICE PHONEBOOK?

If SMS messaging has been enabled, this menu is used to edit the mobile numbers that the messages are delivered.

**[Left Arrow]** and **[Right Arrow]** can be used to move the cursor and **[C]** is used to delete any numbers/digits.

**Please note:** Only available if a cellular module is installed.

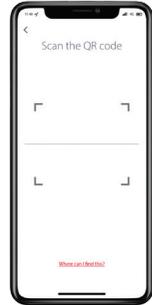
# HOMECONTROL2.0 SMART DEVICE APP

## GETTING STARTED

### Downloading the app

The app can be downloaded from either the Apple App Store or on Android from the Google Store by searching 'HomeControl'.

### Adding a system via QR code



1. When HomeControl2.0 is opened for the first time, the first screen presented is the homescreen. Tap '+' in the bottom toolbar to add a system.
2. Select 'Add new security system'.
3. Select 'Scan QR code'.
4. Locate the system's QR code and scan it. This can typically be found on the bottom of the metal casing.



5. When the QR code has been successfully scanned, a green circle with a tick will appear and the app will move onto the next screen.
6. Create a cloud account, or if you already have a cloud account log in using these credentials.
7. Enter a 'system name'. This is how this system will be labelled throughout the application. Once it has been entered, press 'continue'.



**Please note: This can be edited at a later time.**

8. The system is now added to the main screen of HomeControl2.0.

# Adding a system via short code

## Finding short code

The short code is in the master manager menu. To access this menu, from day mode press **D** then enter the master code.



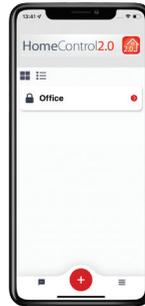
Press **NO** until the displays reads 'SETUP APP?', then press **YES**.

The system will now communicate with the cloud to receive a short code.

The system will now display a short code. This is valid for 5 minutes.



1. Tap '+' in the bottom toolbar to add a system.
2. Select 'Add new security system'.
3. Select 'Short code'.
4. Enter the short code and select 'Next'.



5. Create a cloud account, or if you already have a cloud account log in using these credentials.
6. A green circle with a tick will indicate the short code has been added successfully and the app will move to the next screen.
7. Enter a 'system name'. This is how this system will be labelled throughout the application. Once it has been entered, press 'continue'.

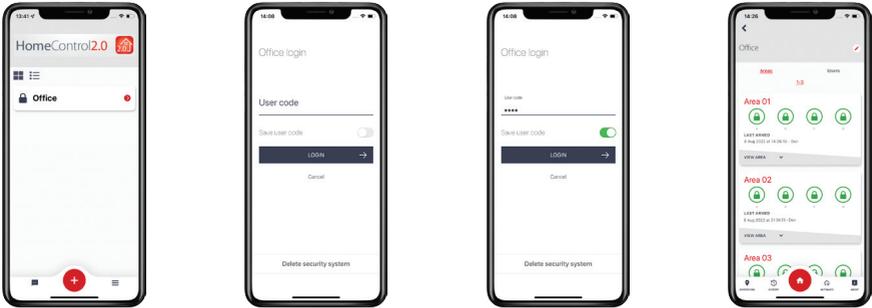


**Please note: This can be edited at a later time.**

8. The system is now added to the main screen of HomeControl2.0.

## BASIC CONTROLS

### Connecting to the panel



1. Select the intruder system from the main screen of HomeControl2.0 that you wish to connect to.
2. Enter your 'User code' and 'App password'.
3. To save the user code and app password, toggle the sliders so that they are green and then tap 'Login'.
4. HomeControl2.0 is now connected to the system.



**Please note: Whilst you are connected to the panel via HomeControl2.0, you will not receive notifications. To disconnect, press < in the top left corner of the system controls screen.**

### Biometric authorisation

The next time the system is selected from the main screen, HomeControl2.0 will ask whether the user would like to enable facial or fingerprint recognition; depending on the smart device capabilities.

In order to connect to panels via biometric authorisation, the user code must be saved using the slider when connecting to the panel.



## INTRUDER SYSTEM HOMESCREEN

### Disconnect from system

Tap this to disconnect from the system and return to the main screen.

### Manage

Tap here to change the system name and to create quick actions.

### Area information

The alias of this area along with name of the last user to arm or disarm the area.

### Zones in area

Tap this to view all the zones allocated in the above area.

### Geofencing

Select to setup, view or edit the geofence associated with this system.

### History

Tap to display all recent important events that have occurred on the system.

### System home

Tapping this will return from any other menus to the system home screen.

### Action buttons

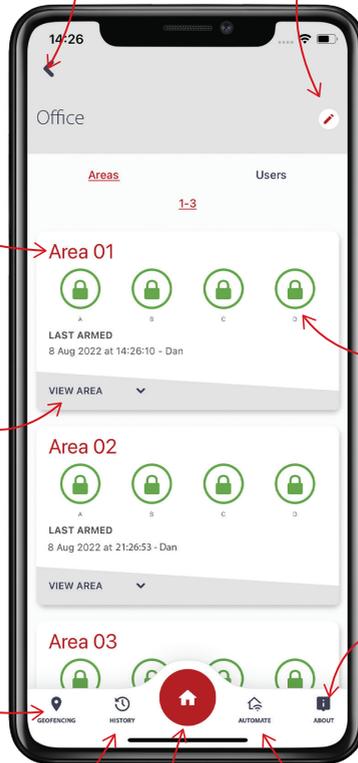
Displays whether the level is in alarm, armed, disarmed, or currently has a fault. These also act as the main buttons to arm or disarm the levels. Tap to change between the two or silence alarms.

### About

Tap to display all the system information such as the firmware of the control panel, the number of zones on the system etc.

### Automate

Choose this to operate outputs programmed on the system to switch things such as lights.



# HOMECONTROL2.0 APP ICONS

## Action button icons

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The area is disarmed and can be armed with no problems.



The area is in the process of arming.



The area is armed.



A zone in the area has been triggered which means it is now in alarm. The alarm can be silenced by tapping this icon.



A zone associated with this area is either in alarm or has an issue. To view which zone, tap 'View Area'.

## Individual zone icons

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This zone is operating normally and has nothing to report.



This zone has been triggered when armed and signalled the alarm.



This zone was triggered whilst arming or has a fault and needs to be investigated.



The zone is active and will be live if the area is armed



This zone is omitted meaning it will not be live if the area is armed and will not trigger an alarm.

# INSTALLATION INFORMATION

## INSTALLATION COMPANY INFORMATION

Alarm Company	
Date of Installation	
Site Reference	
Engineer Name	
Installation Company Contact Number	
Installed to Grade	
Environmental Class	II

This control panel is suitable for use in installations designed to meet the European requirements of Security Grade 3, and Environmental Class II. When all parts are working normally, this equipment in combination IP communication meet the requirements of ATSS.

This control panel meets all the following standards and certifications:

STANDARD	DESCRIPTION
EN 62368-1:2014 + A11:2017	Audio/video, information and communication technology equipment -Safety requirements
EN 61000-6-3: 2007 + A1: 2011	Electromagnetic compatibility (EMC) Generic standards. Emission standard for residential, commercial and light-industrial environments
EN 50131-1: 2006 + A3: 2020	Alarm systems. Intrusion and hold-up systems- System requirements
EN 50131-3: 2009	Alarm systems. Intrusion and hold-up systems. Control and indicating equipment
EN 50131-6: 2017 +A1:2021	Alarm systems. Intrusion and hold-up systems. Power supplies
EN 50131-5-3: 2017	Alarm systems - Intrusion systems - Part 5-3: Requirements for interconnections equipment using radio frequency techniques
EN 50130-5: 2011	Alarm systems - Part 5: Environmental test methods
EN 50130-4: 2011 + A1: 2014	Alarm systems Electromagnetic compatibility. Product family standard: Immunity requirements for components of fire, intruder, hold up, CCTV, access control and social alarm systems
ETSI EN 301 489-1 V2.2.3 (2019-11)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements; Harmonised Standard for ElectroMagnetic Compatibility
ETSI EN 301 489-3 V2.1.1 (2019-03)	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz; Harmonised Standard covering the essential requirements of article 3.1 (b) of Directive 2014/53/EU
ETSI EN 300 220-2 V3.1.1 (2017-02)	Short Range Devices (SRD) operating in the frequency range 25 MHz to 1 000 MHz; Part 2: Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU for non-specific radio equipment.
ETSI EN 300 330 V2.1.1 (2017-02)	Short Range Devices (SRD); Radio equipment in the frequency range 9 kHz to 25 MHz and inductive loop systems in the frequency range 9 kHz to 30 MHz; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU [for the prox reader at 125kHz].
PD 6662: 2017	Scheme for the application of European Standards for intrusion and hold-up alarm systems
2014/53/EU	Radio Equipment Directive (RED)
Directive (EU) 2017/2102 amending 2011/65/EU AND 2015/863/EU	EU RoHS restriction of the use of certain hazardous substances in electrical and electronic equipment

External arm/disarm readers and wireless sirens meet the requirements of environmental class 4.

Number of Code Differs: Tag hex code.

Your panel is designed to automatically inhibit certain functionality.

## Keypad

After 30 key presses without entering a valid code, keys are disabled for 90 seconds. After reinstatement, this will be repeated after each 7 key presses until a valid code is entered.

## Proximity tag reader (or reader at a keypad)

After 6 presentations of an invalid tag, the reader will be disabled for 90s. After reinstatement, this will be repeated for each invalid tag until a valid tag is used.

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