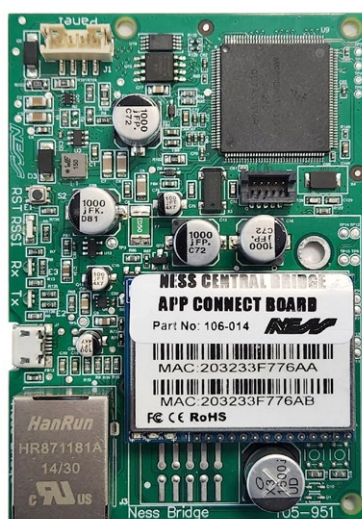




**YOUR  
DPLUS/D8/D16  
PANEL**

**FREE  
MEZZO  
APP**



**INTERNET**

**NESS CLOUD**

**NESS-BRIDGE ETHERNET INTERFACE MODULE  
NESS MEZZO APP**

**Installation & Operation Manual**

**Rev 1.6**



**CORPORATION**

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#### NESS-BRIDGE ETHERNET INTERFACE MANUAL

Document Part No: 890-506

Rev 1.6 Dec 2025

Applies to 106-014 Ness-Bridge Ethernet Interface.

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## CONTENTS

Overview .....	3
Compatibility .....	3
Hardware Overview / LEDs Operation .....	4
Hardware setup .....	5
Panel Programming .....	5
Install Mezzo app .....	6
App setup / Add Ness-Bridge .....	7-9
Activate Ness-Bridge in Ness Cloud .....	10-11
Setup DPlus/D8/D16 PIN in Mezzo app .....	12-13
Synchronise with Ness Cloud .....	14
Select Push Notifications .....	15
OPERATION, Arm / Disarm / Home Mode / Operate Outputs .....	16-19

## OVERVIEW

Ness-Bridge is an easy to install ethernet interface providing internet connectivity for Ness DPlus/D8/D16 control panels.

Ness-Bridge in combination with the free **Ness Mezzo** app provides handy remote operation features for your Ness control panels.

- Arm and Disarm
- Home Mode operation
- Operate panel outputs\*
- Receive Push Notifications for Arm/Disarm and alarm events
- View zones and panel status

\* Outputs require optional 106-013 Relay Board/s. Other conditions apply, refer to page 19.

## COMPATIBILITY

Ness-Bridge is compatible with:

### **Ness Control panels**

DPlus  
D8XD / D16XD (Rev6 and later)  
D8XCEL 4G / D16XCEL 4G

### **Mobile Devices**

Android: 7.1 or later  
iPhone: iOS 15.0 or later

## INCLUSIONS

106-014 Ness-Bridge Module is supplied with:

1 x Ness-Bridge module  
1 x 450-233 4-wire loom  
2 x Red slider mounting rails

4-Pin header connects via the 4 wire loom to the DPlus/D8/D16 serial port

Reset Button

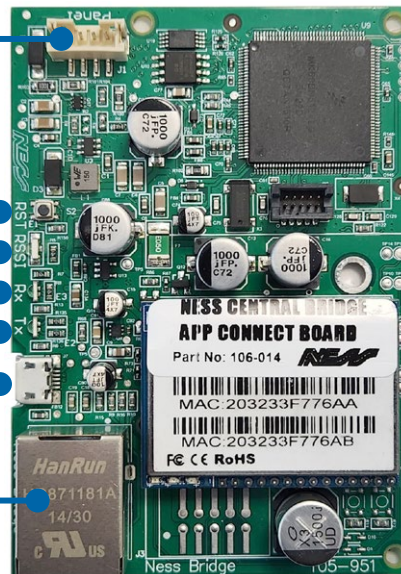
RSSI LED

RX LED

TX LED

USB Port (Factory use only)

RJ45 Ethernet port



### LEDS OPERATION

RGB LEDs	RED	GREEN	BLUE
RSSI		Boot up, Normal run	
RX	Error code	Flashing, receiving data	
TX	Default All, Default Ethernet	Flashing, sending data	Fast flash 5 seconds for fully defaulted unit

### HARDWARE RESET

#### To default ALL SETTINGS

To default all Ness-Bridge hardware and user settings and reboot the Ness-Bridge module press and hold the RST button for 30 seconds.

TX RED LED will flash continuously during boot-up followed by a single flash from RSSI LED when completed (approx 3 minutes).

#### To default ETHERNET settings

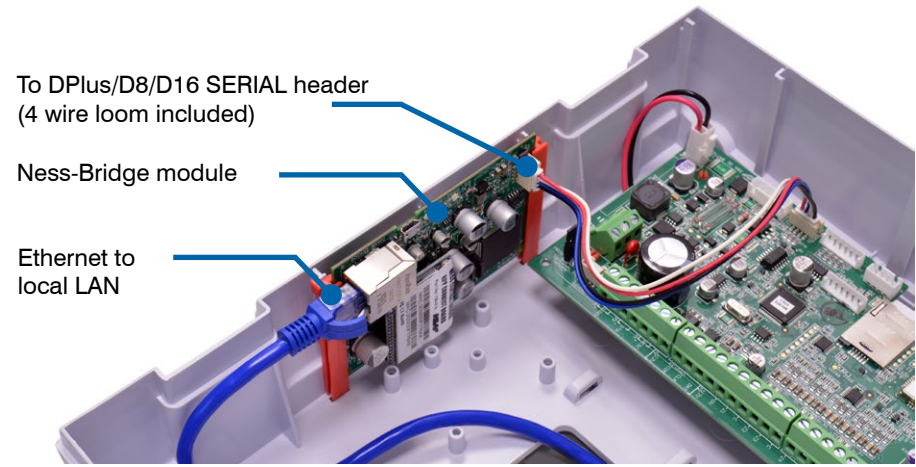
To default the Ness-Bridge Ethernet settings to factory settings, press RST button twice, (long press, 2 seconds each press).

TX RED LED will confirm the action.

TX RED LED will flash continuously during boot-up followed by a single flash from RSSI LED when completed (approx 3 minutes).

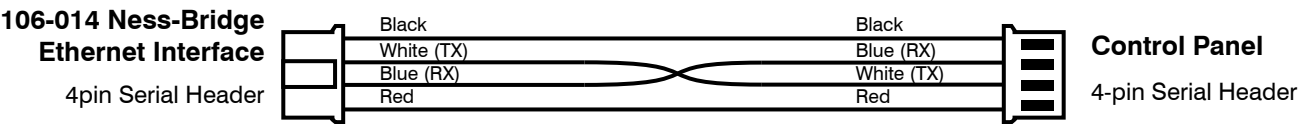
**HARDWARE  
SET UP**

Install the Ness-Bridge module in your panel housing using the red slider rails provided and connect the 4 wire loom to D8/D16 SERIAL port.



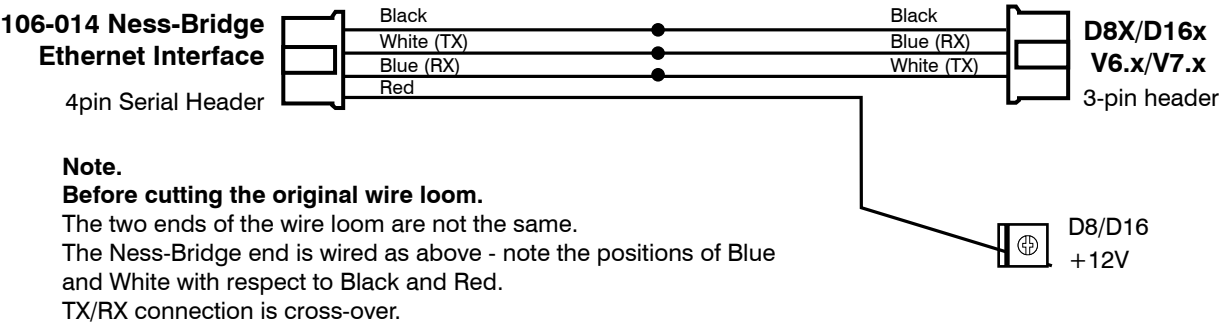
**Connection to  
current version panels  
with 4-pin serial port**

**Ness-Bridge connection to DPlus, D8x/D16x V8.x and D8/D16 XCEL**  
Use the 4 wire loom supplied with Ness-bridge module.



**Connection to  
previous models  
with 3-pin serial port**

**Ness-Bridge connection to older D8/D16 V6.x/V7.x  
3-pin Serial Port**  
Use the 4 wire loom supplied with Ness-bridge and join to a 450-185 serial lead 3pin (cut off and discard the DB9 plug).



**PANEL  
PROGRAMMING**

In the DPlus/D8/D16 panel, enable serial port options at P199E. Installer Programming mode.  
P199E, turn on options 1E-7E

KPX+	P199E select options 1E to 7E
NAVIGATOR	P199E > select options 1 to 7

## APP SETUP

- 1 Get MEZZO app from Google Play store or Apple App Store

- 2 Install Mezzo app



ANDROID



iOS

## CHECK YOUR CONTROL PANEL SETTINGS

The serial port must be enabled in your DPlus/D8/D16 control panel.

**P199E, turn on options 1E-7E** (See page 5) Panel Programming

## BEFORE YOU START

- The smart-phone used to set up the Ness-Bridge will become the master administrator account and uses the control panel's Master Code (P201E) to operate the panel.

**It is strongly recommended that setup is performed using the smart-phone of the primary user of the system (usually the owner of the premises).**

- The primary user's **smart-phone must be on the same network as the Ness-Bridge during initial setup.** Once the Ness-Bridge has been successfully added and activated you'll be able to connect from any network.

## ADDITIONAL USERS

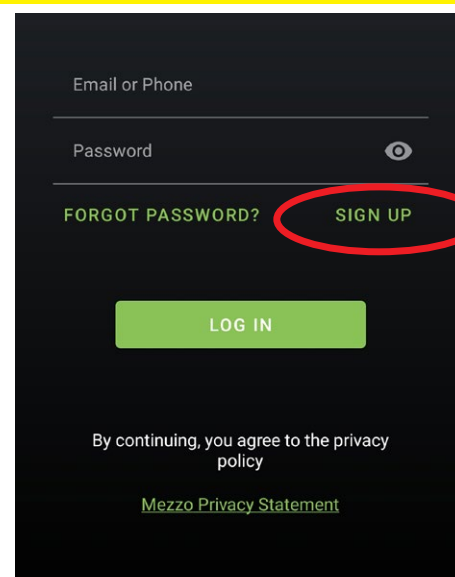
When additional users activate their Cloud account/s on their own smart-phones, they will appear in the administrator's app in the menu **USERS > REQUESTS**.

The administrator adds the new user as a **FAMILY** or **GUEST** user.

**FAMILY** users can arm and disarm. **GUEST** users can only view events.


- 3 If you have a **Ness Cloud** account, enter your Email and Password to login.


To create a new account tap **SIGN UP**

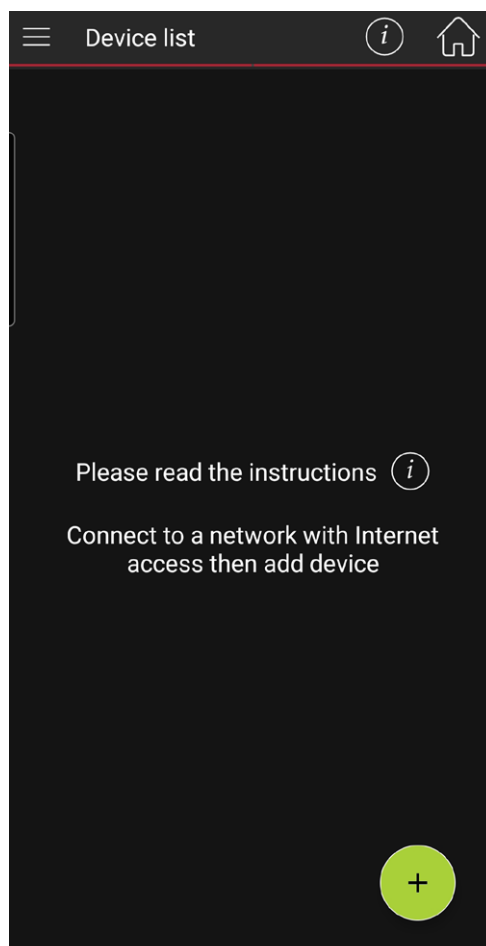


**Ness Cloud** is the online service providing login facilities for your Mezzo app and allows Mezzo app to connect to the Ness-Bridge module. Access to Ness Cloud is free for basic operation of your devices via Ness-Bridge.

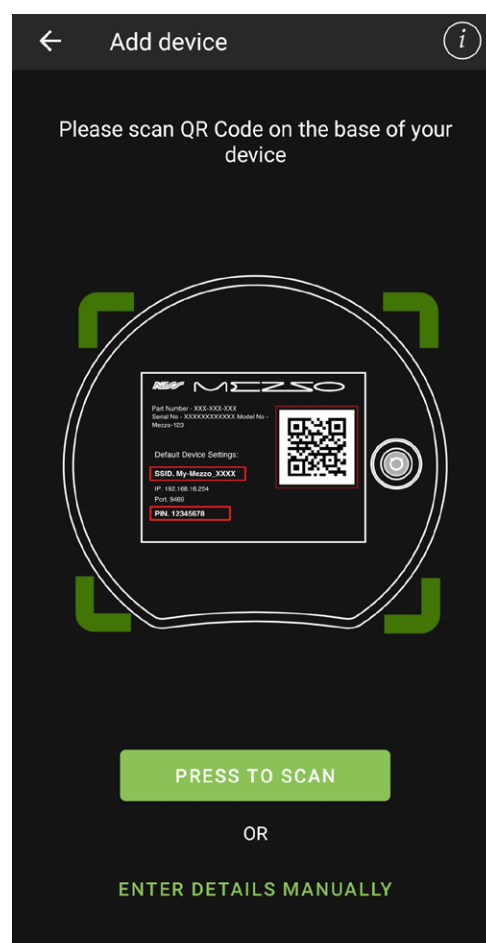
## APP SETUP

- 4 Tap the Menu icon  and choose Device List

- 5 Tap  to add your Ness-Bridge device

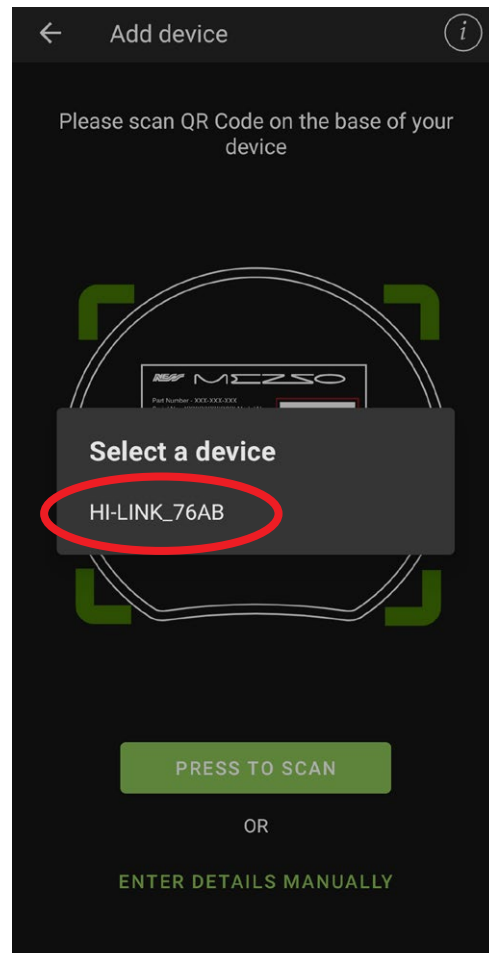


- 6 Tap Press To Scan the QR code on the rear of your Ness-Bridge device

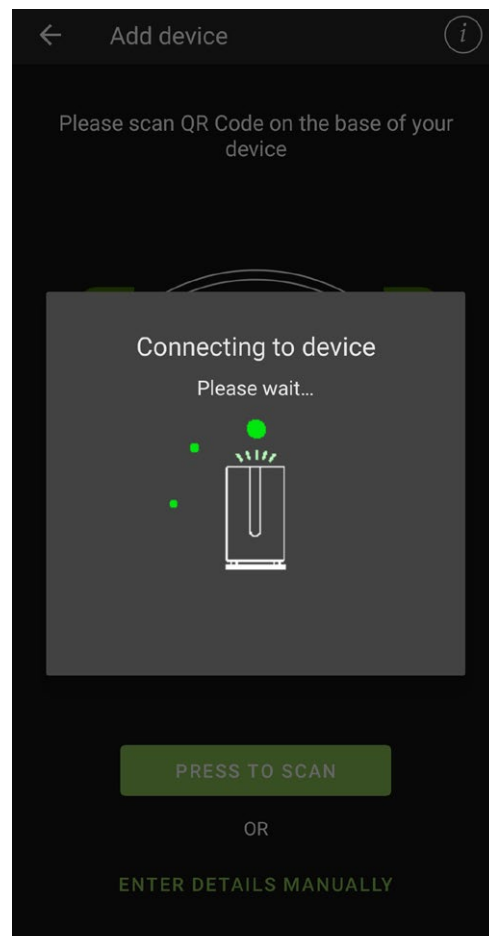


## APP SETUP

- 7 Once the Ness-Bridge device is found, tap the device name to select.



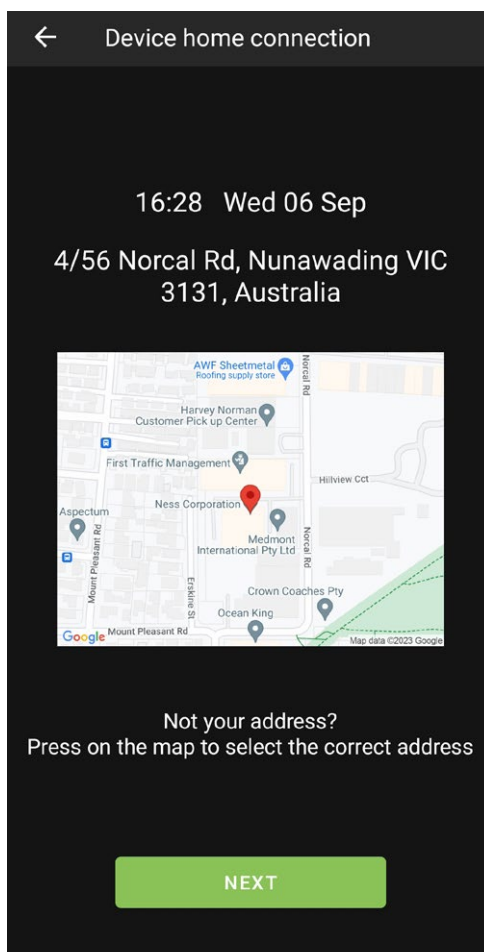
- 7a Mezzo app will connect to the device



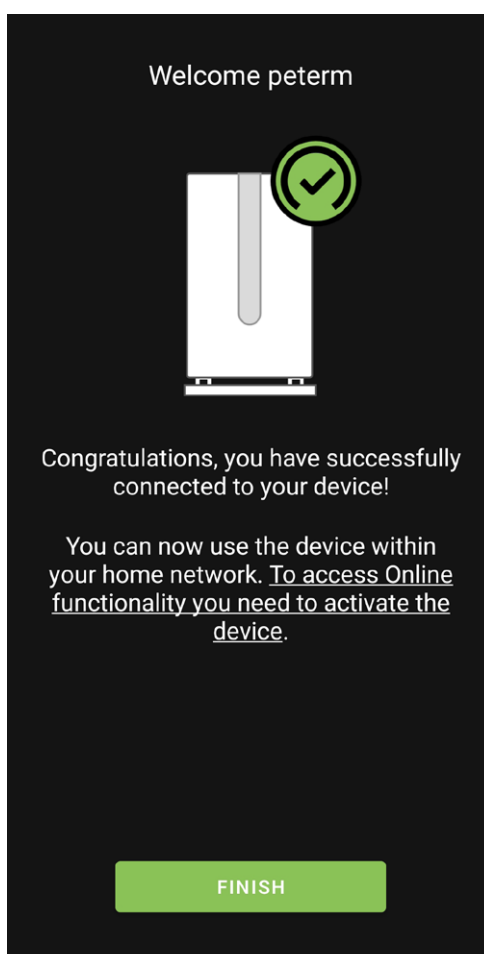


## APP SETUP

- 8 Follow the instructions to set your location

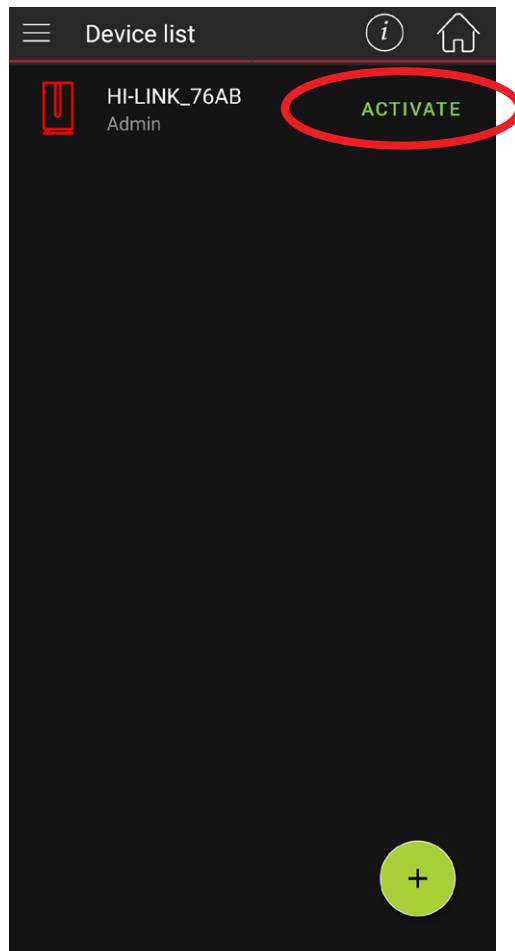


- 9 The device has been successfully added. Tap FINISH.

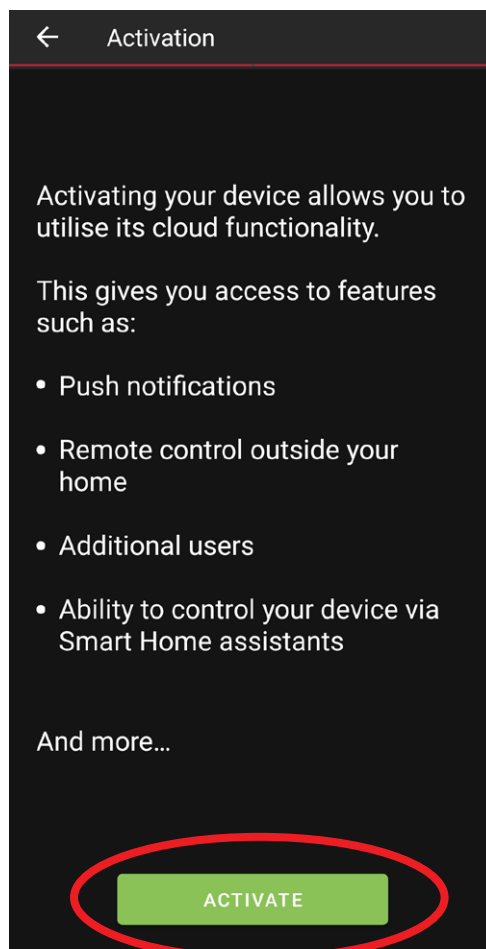


## APP SETUP

- 10 Tap **ACTIVATE** to activate the device in the Ness Cloud.

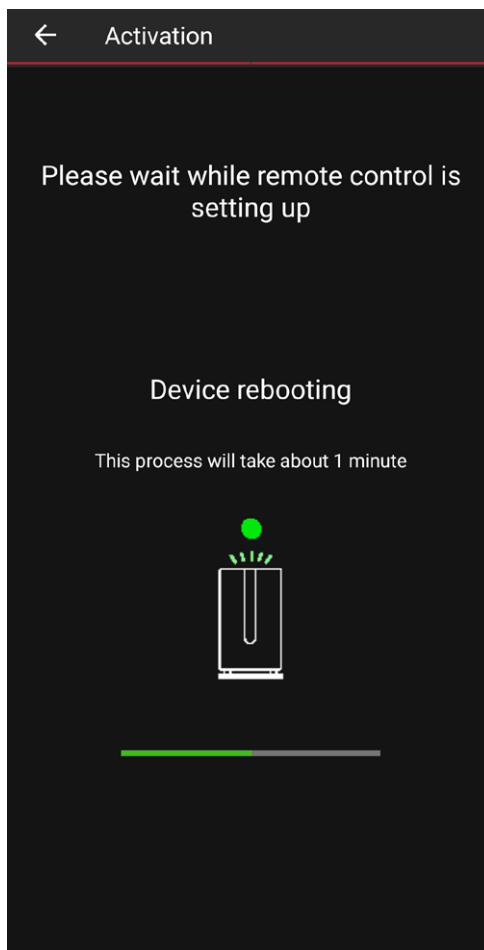


- 11 Tap **ACTIVATE** again.

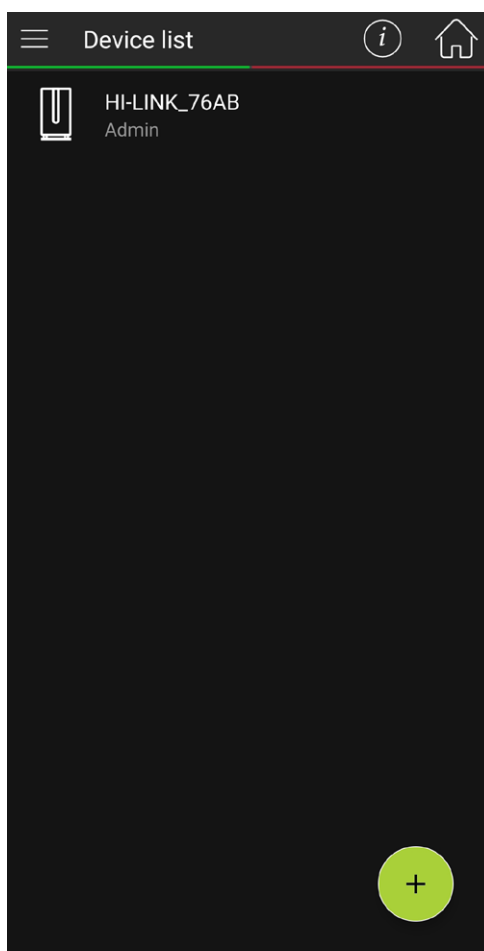


## APP SETUP

- 12 The device will reboot after activating on the Ness Cloud.




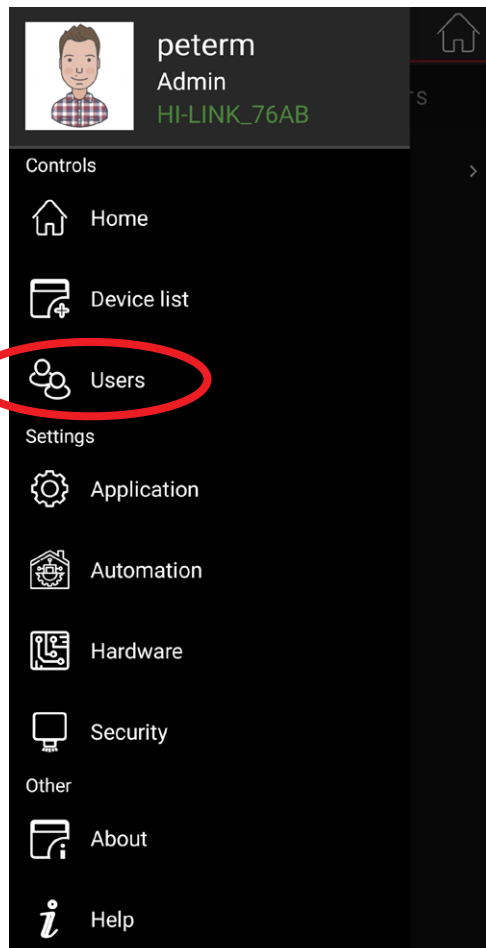
- 13 The device has been successfully added.



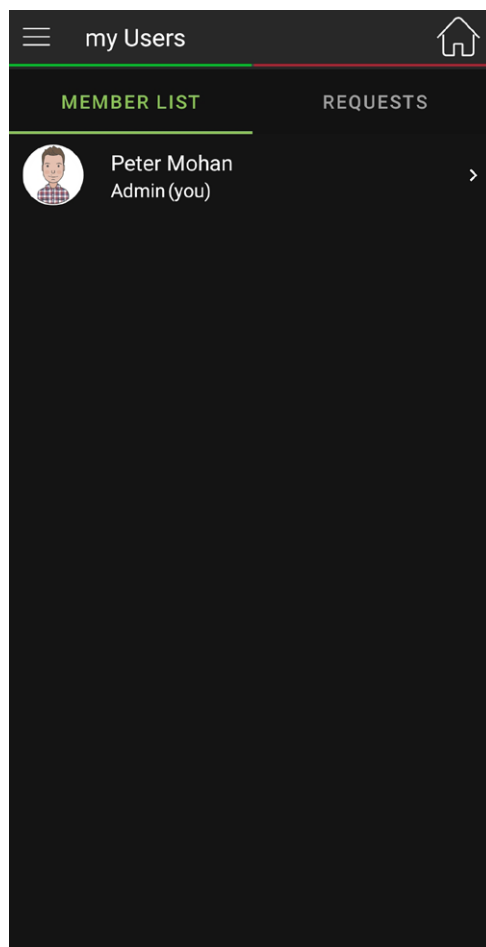
## APP SETUP

Setup your PIN to match your user code in your DPlus/D8/D16 control panel.

- 14 Tap the Menu icon  and choose Users.

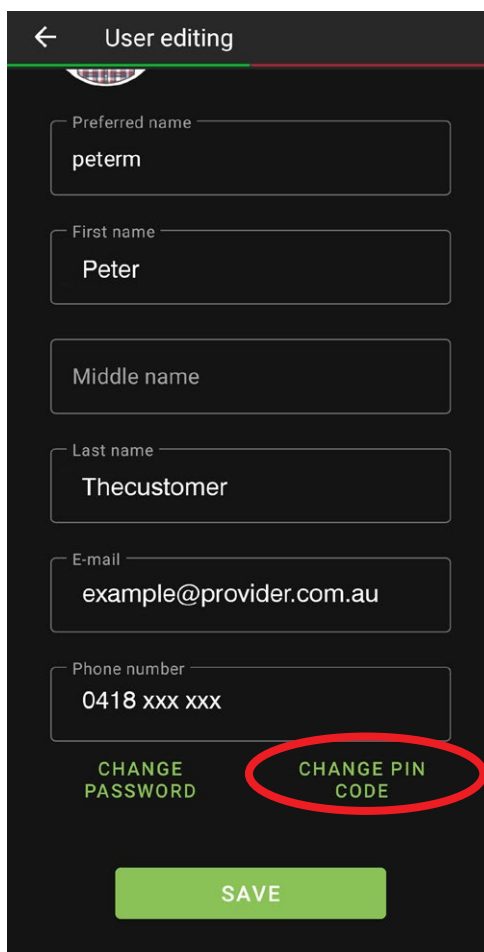


- 15 Tap your user account



## APP SETUP

- 16 On your profile page, tap **CHANGE PIN CODE**



The 'User editing' screen displays several input fields for user information: Preferred name (peterm), First name (Peter), Middle name, Last name (Thecustomer), E-mail (example@provider.com.au), and Phone number (0418 xxx xxx). At the bottom, there are two green buttons: 'CHANGE PASSWORD' and 'CHANGE PIN CODE'. The 'CHANGE PIN CODE' button is circled in red. Below these buttons is a green 'SAVE' button.

- 17 Enter a PIN to match your DPlus/D8/D16 user Code.

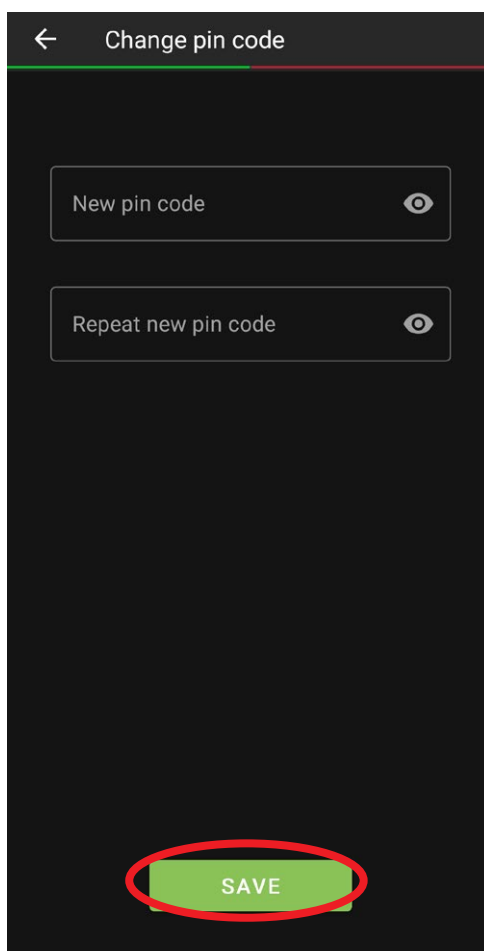
### IMPORTANT

Each unique Mezzo app user must also have their own user code in the DPlus/D8/D16 control panel.

*Example mapping of user codes:*

MEZZO APP PIN	CONTROL PANEL USER CODE
1234	1234
5678	5678
2468	2468
... and so on	...

*Example PINs. Please create your own unique codes.*




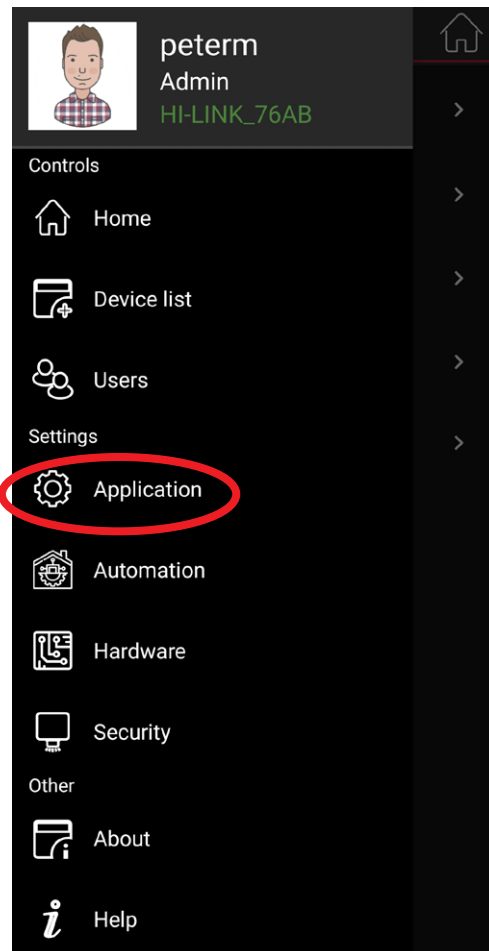
The 'Change pin code' screen has two input fields: 'New pin code' and 'Repeat new pin code', each with an eye icon for toggling visibility. At the bottom, there is a green 'SAVE' button, which is circled in red.

- 18 Tap **SAVE**.

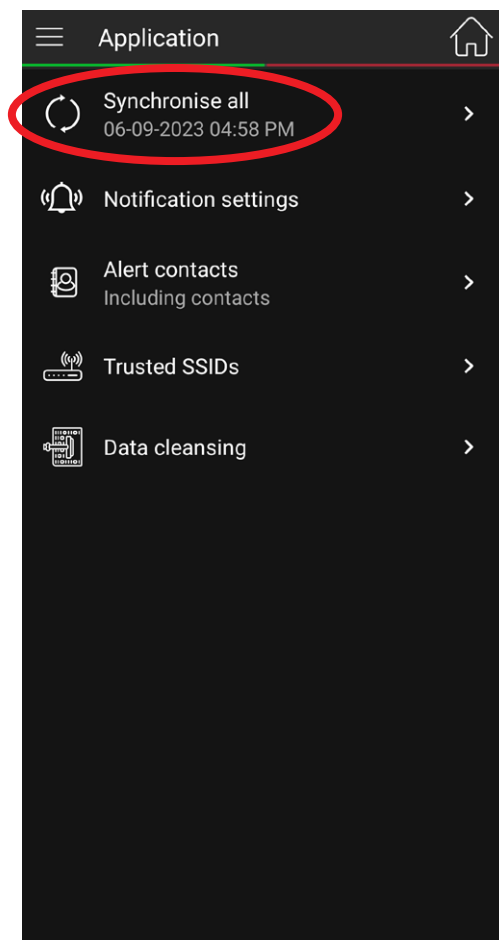
## APP SETUP

- 19 Next, synchronise your device settings with the Ness Cloud

Tap the Menu icon  then tap Application.



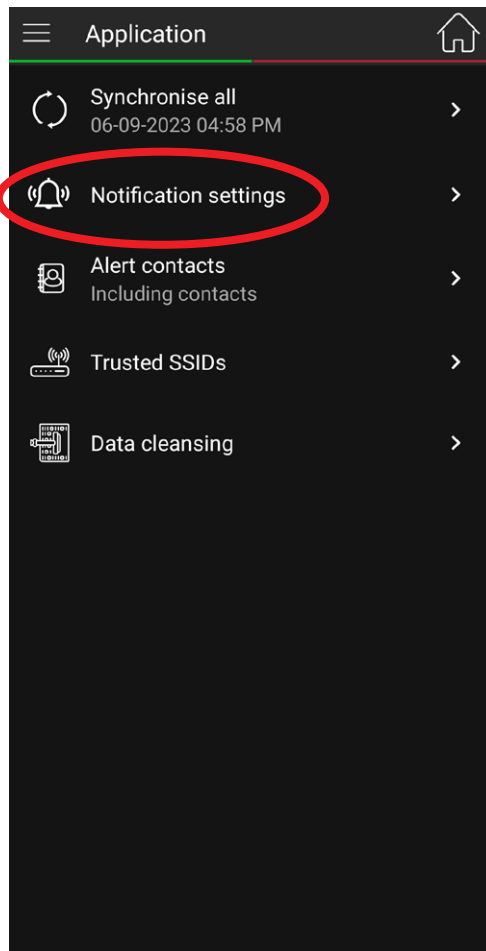
- 20 Tap Synchronise all



## APP SETUP

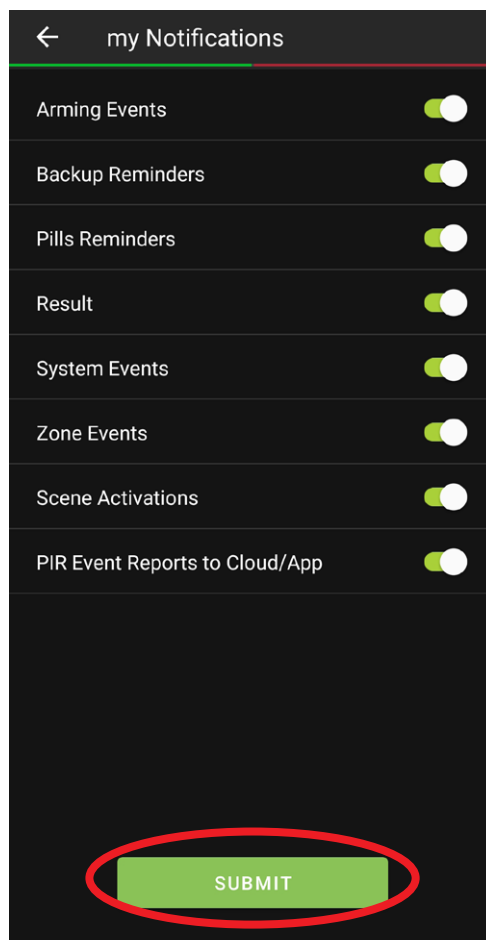
- 21 You can choose which Push Notifications you'd like to receive on events.

Also in the Application menu, tap Notification Settings

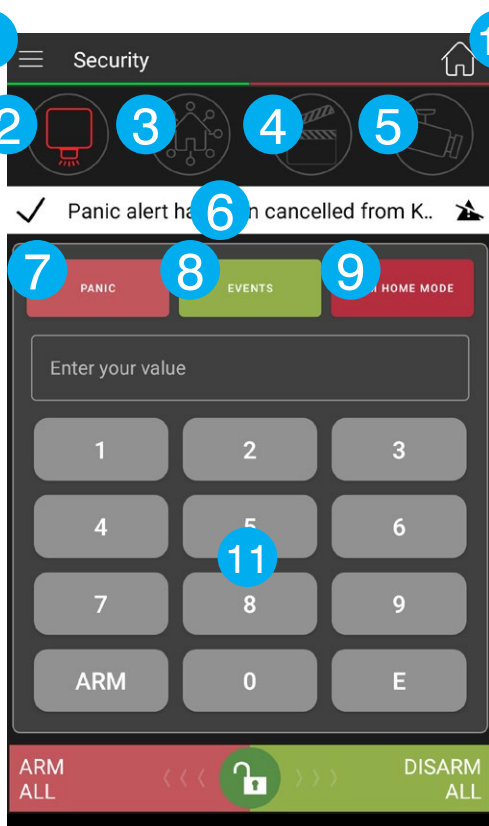


- 22 All notifications are enabled by default, choose your preferences.

- 23 Tap SUBMIT



## OVERVIEW - Security home screen



The screenshot shows the 'Security' app interface. At the top, there's a header with a menu icon (1), the title 'Security', and a home icon (10). Below the header are five circular icons: a monitor (2), a house with a lock (3), a factory (4), a camera (5), and a car (6). The main area has three tabs: 'PANIC' (7), 'EVENTS' (8), and 'HOME MODE' (9). Below the tabs is a numeric keypad (11) with buttons 1-9, 0, and 'E'. At the bottom is a slider with 'ARM ALL' on the left, a central padlock icon, and 'DISARM ALL' on the right. A status bar at the top shows a checkmark and the text 'Panic alert has been cancelled from K..'. Blue arrows point left and right from the slider, indicating its function.

- 1 MENU, button
- 2 SECURITY, (this screen)
- 3 DEVICES, shows Zone Status and Virtual Switches
- 4 SCENES, set up 'Scenes' to automate actions and events. Mezzo app guides you step by step when you press + to start creating a Scene
- 5 CCTV, (future option)
- 6 EVENT WINDOW, The most recent event is displayed here
- 7 PANIC, trigger Panic alarm, see page 18
- 8 EVENTS, displays all previous events
- 9 ARM HOME MODE, see page 18
- 10 HOME, goes to app home
- 11 KEYPAD, for manual operation or arming/disarming areas, see page 17

Use the SLIDER for quick arming and disarming in one easy action. Slide left or right to arm or disarm.

The SLIDER also displays the panel's armed state.



Green padlock, panel is disarmed



Red padlock, panel is armed



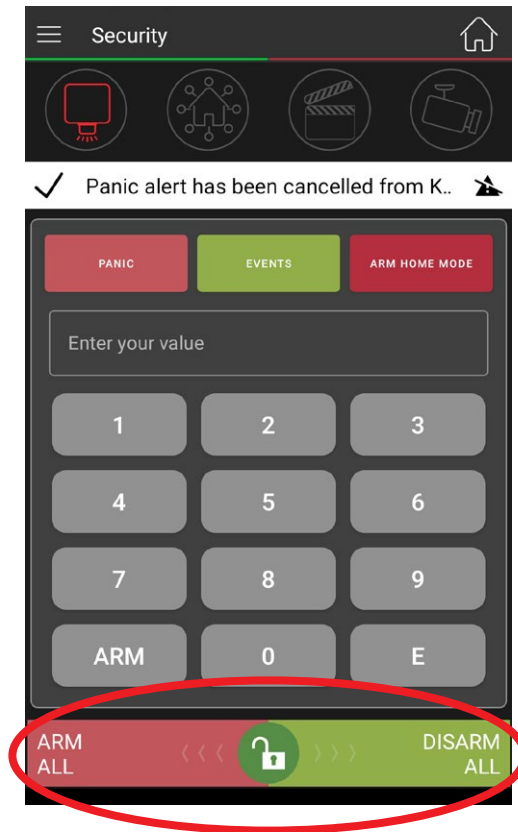
Red padlock with perimeter, panel is armed in Home Mode



## OPERATION

**ARM and DISARM** your panel by swiping the lock slider left to Arm All or swipe right to Disarm All.

*This action uses your control panel user code as set up at step 17 to arm and disarm.*



### ARM / DISARM AREAS

To Arm or Disarm an Area use the app keypad as a virtual keypad.

Same as using the physical keypad simply enter:

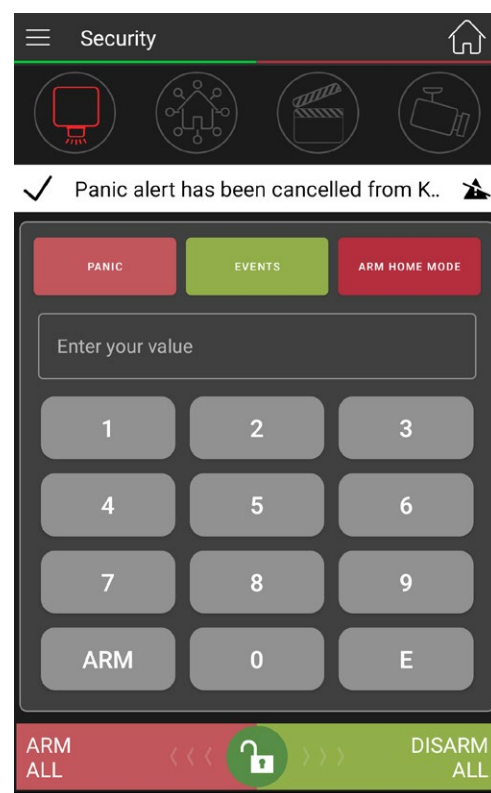
ARM	A [Your User Code] E
DISARM	[Your User Code] E

The Area being operated depends on the setup of each user code in the DPlus/D8/D16 panel.

For example, User Code 1 is assigned to both Areas 1 & 2 by default.

You can also program other user codes and assign them to either Area 1 or Area 2. (this must be programmed at the control panel).

For detail see *Area Partitioning* in the DPlus/D8/D16 Installation Manual.



## OPERATION

### ARM HOME MODE

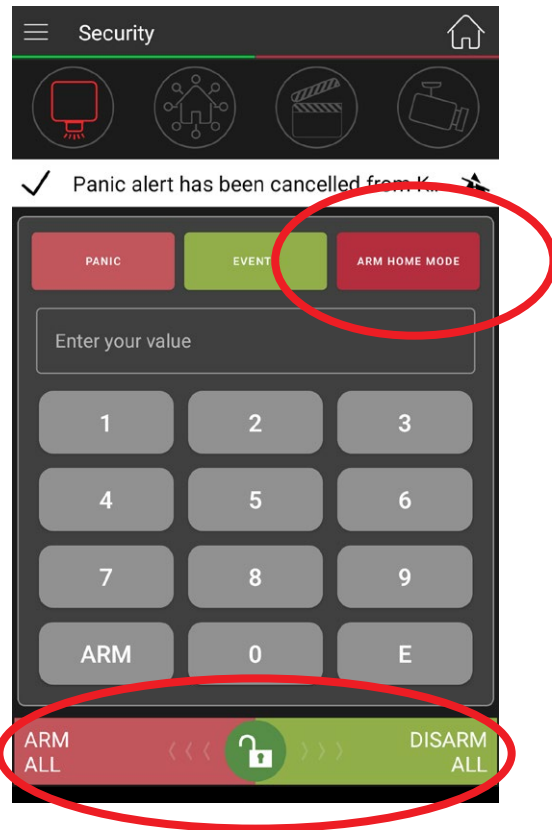
To Arm Home Mode go to *my Security* > *Arm Home Mode*.

### INITIAL SETUP

In your DPlus/D8/D16 panel, in Installer Program Mode, P51E, enable the zones which will be armed in Home Mode.

### DISARM HOME MODE

To Disarm Home Mode swipe the lock slider right to Disarm All.



### PANIC operation

To trigger a Panic alarm press PANIC.

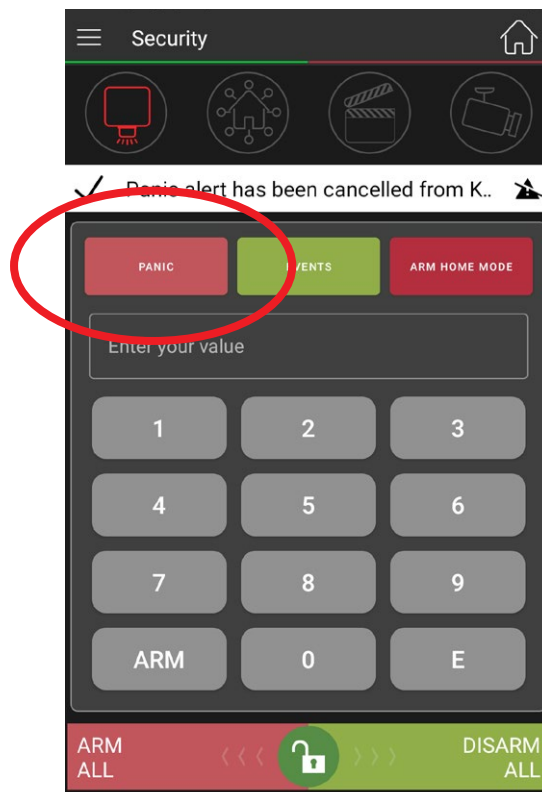
This action will:

- Turn on the siren and strobe (if enabled in the panel).
- Trigger central station reporting<sup>1</sup> (if programmed).
- Send a push notification to the Mezzo app (if enabled).

<sup>1</sup>Central station reporting requires an active SIM or landline connection and central station monitoring account which is a separate service.



PANIC function is not available in:  
D8/D16 V6.x  
D8/D16 V10.8



## PANEL SETUP

### VIRTUAL SWITCHES (DPlus/D8/D16 OUTPUTS)

Virtual Switches allows you to operate control panel Outputs 1~8 using optional 106-013 Relay Board/s.

#### INITIAL SETUP

In your DPlus/D8/D16 panel, in Installer Program Mode enable 'keypad operation' for the required outputs.

See P141E~P144E, enable 4E.

Requires optional 106-013 Relay Board/s or 106-011 Output Expander.

xxx corresponds to:

P141E Panel Output 1

P142E Panel Output 2

P143E Panel Output 3

P144E Panel Output 4

DPlus/D8/D16 panel, Installer Program Mode.

KPX+	PxxxE 4E enable the option to allow operation of the output via Mezzo app
NAVIGATOR	PxxxE > enable 4E

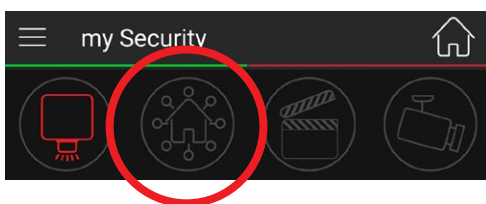
Refer to the DPlus/D8/D16 Installer Manual for further detail and setup options for additional outputs.


Operation of outputs via Mezzo app is not available in D8/D16 V6.x and D8/D16 V7.x

## OPERATION

### TURN OUTPUTS ON/OFF

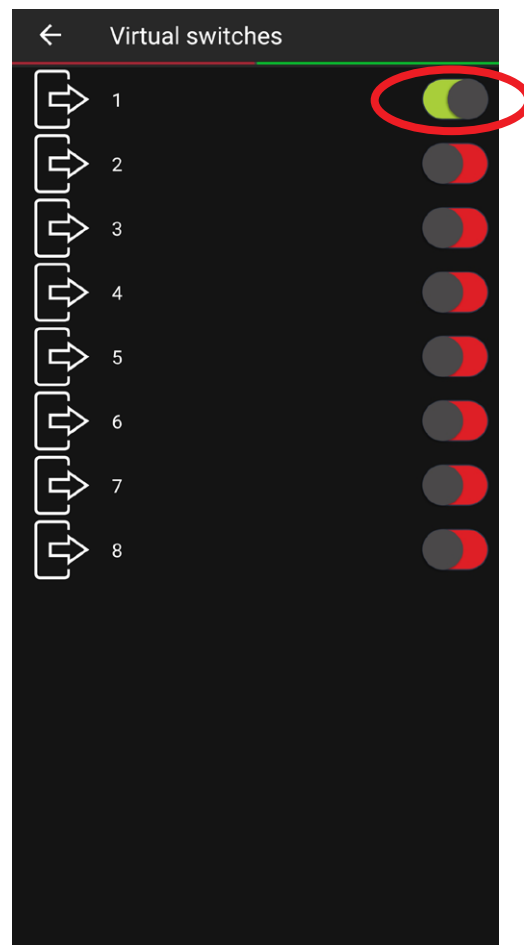
To operate DPlus/D8/D16 outputs go to *my Security > Zones & Outputs*.



Tap each output's switch  to toggle on and off.



Operation of OUTPUTS via Mezzo app is not available in:  
D8/D16 V6.x  
D8/D16 V7.x



## SPECIFICATIONS

NESS-BRIDGE PCB DIMENSIONS	92 x 65 x 18mm
INTERFACE	RJ45 Ethernet to local LAN / 4-wire loom to control panel
MAX. DEVICES PER MEZZO APP	10
POWER REQUIREMENT	13.8V DC via 4-wire loom to D8/D16
AVERAGE CURRENT DRAW	120mA
COMPATIBILITY	Ness DPlus, D8XD / D16XD (Rev6 and later), D8XCEL 4G / D16XCEL 4G

<sup>1</sup> \* Outputs require optional 106-013 Relay Board/s. Other conditions apply, refer to the manual.

<sup>2</sup> Operation of outputs via Mezzo app is not supported in D8/D16 V6.x to V7.x

PANIC function is not available in D8/D16 V6.x and D8/D16 V10.8

