

# PANL

## Smart Living



## Part 2 – PanL PD100 Display

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# PANL

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# 1 Introduction

## 1.1 About this Guide

This document details the procedure for using the PanL PD100 Display as a client to control various devices within the PanL Smart Living Ecosystem, such as lights, curtains/blinds, air conditioning, and others.

For System Integrators, this document includes additional sections on configuration of PD100 Display using the mobile app, instructions for transmitting this configuration to PD100 Display, and other set up information.

## 1.2 Intended Audience

This user guide is intended for anyone or system integrators, who are interested in using PanL PD100 Display to configure or manage devices within an automated smart home, guest room or office.

## 1.3 Document References

Document Name	Document Type	Format
<a href="#">BRTSYS_AN_094_PSL_User_Guide_-_1_System_Installation</a>	Application Note/ User Guide	PDF
<a href="#">BRTSYS_AN_096_PSL_User_Guide_-_3_PanL_PD40_Display</a>		
<a href="#">BRTSYS_AN_097_PSL_User_Guide_-_4_iOS_Mobile_App</a>		
<a href="#">BRTSYS_AN_098_PSL_User_Guide_-_5_Android_Mobile_App</a>		
<a href="#">BRTSYS_AN_099_PSL_User_Guide_-_6_Voice_Assistants</a>		

## 1.4 Known Issues and Limitations

NA

## 2 Getting Started

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### 2.1 PanL PD100 Display Hardware

The documents listed below provide information on how to set up PanL PD100 Display hardware:

[PanL PD100 Display Datasheet](#)

[PanL PD100 Display QSG](#)

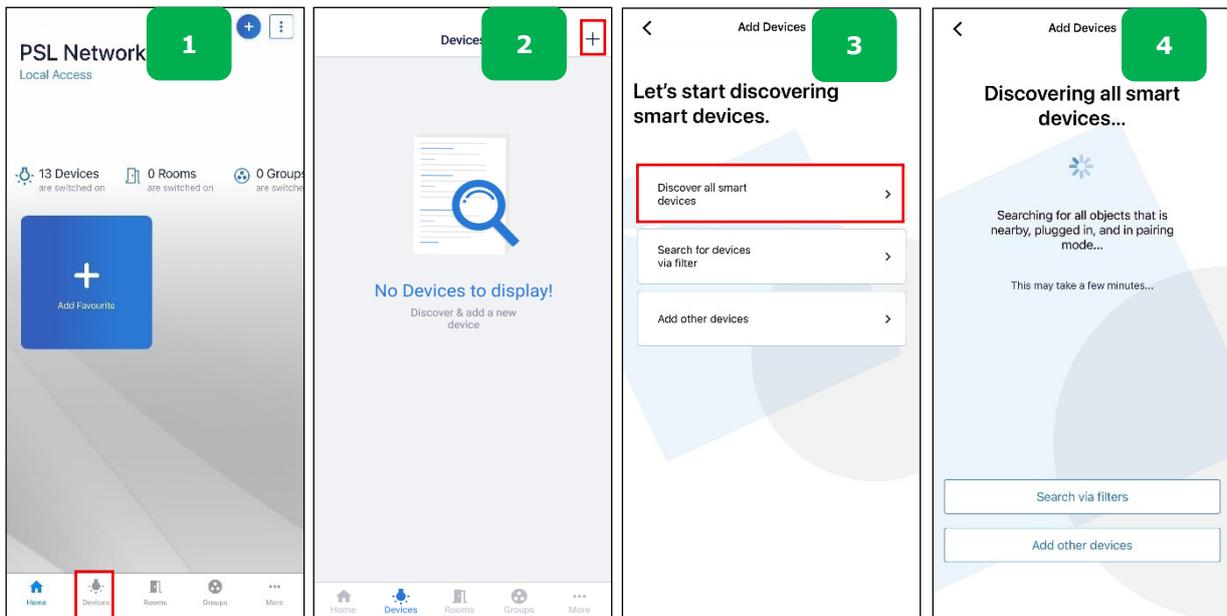
## 3 Onboarding PanL PD100 to the PanL Network

### 3.1 Discover PanL PD100 Display in PanL Network

To configure PD100, the first step is to discover and add PD100 into a PanL Network. It is assumed that the PD100 display is connected to a PanL Hub in a PanL Network.

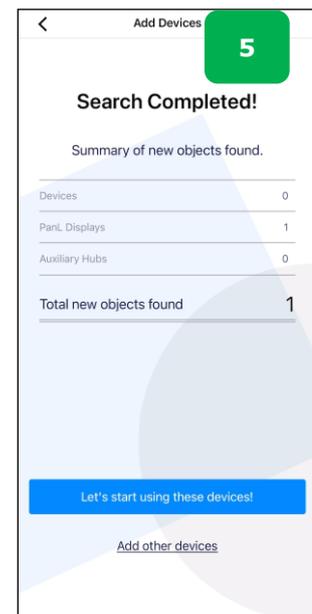
**Procedure:**

Use the “**Discover all smart devices**” function in PanL Smart Living mobile app to auto-discover PanL PD100 Displays in a PanL Network. They will be automatically added to the PanL Network.



To Add a PanL Display device to a PanL Network –

1. Select [**Devices**] to open the Devices page.
2. Tap on **+** to add devices.
3. Select [**Discover all smart devices**] to auto-discover devices.
4. Number of discovered devices will be displayed as auto discover is in progress. Device discovery process takes around 3-5 minutes.
5. Number of discovered PanL displays are visible.



The PD100 display devices can also be discovered and onboarded by using the *Search for Devices via filter* option and selecting 'BACnet' as the connection type.

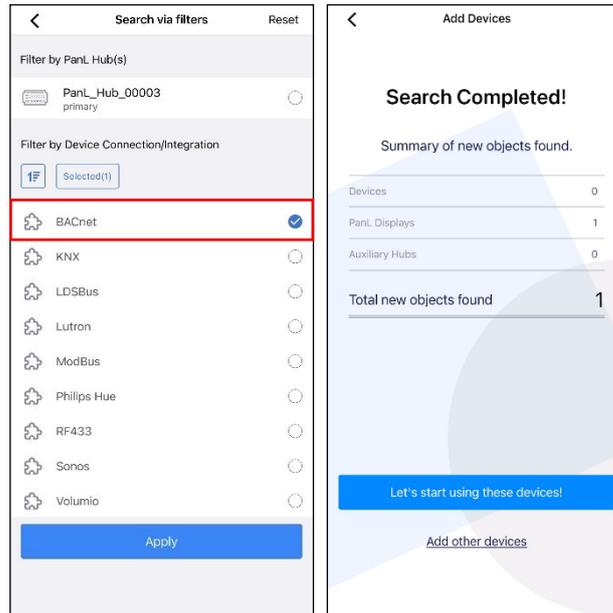


Figure 1 - Discover using filter

### 3.2 Viewing List of PanL Displays

Newly discovered PanL PD100 displays are assigned a generic system name by default until renamed. This page will differ based on the devices that are added to the PanL network. Click on a display to view additional information.

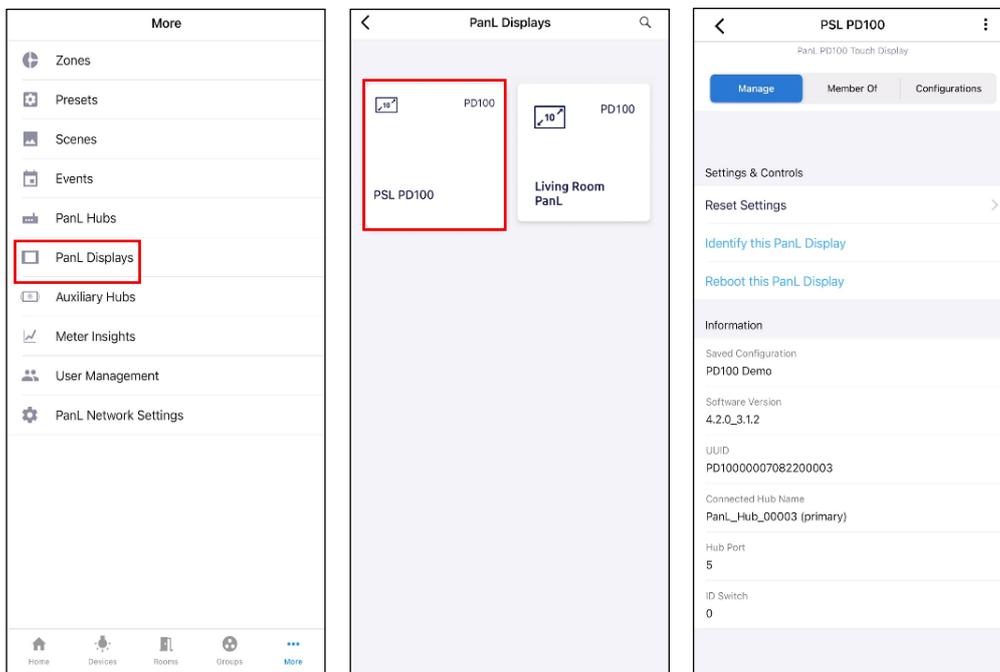


Figure 2 - PanL Display List



**NOTE:**

The following message will be displayed if no PanL Displays have been discovered in the PanL Network.

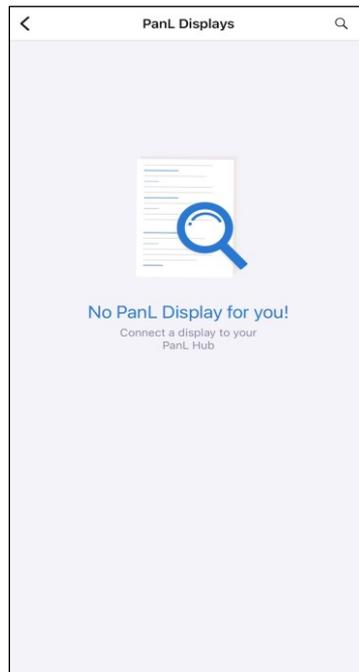


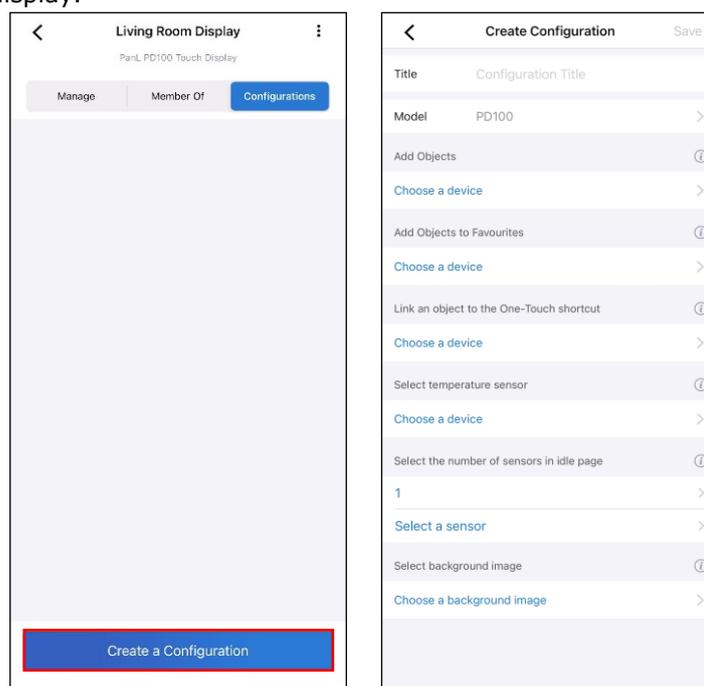
Figure 3 - No PanL Displays discovered

### 3.3 Creating a Configuration

A configuration must be created for a PanL Display that defines which objects—such as Devices, Rooms, Groups, Zones, or Scenes—should be displayed and requires control (Refer to [Figure 19](#) and [Figure 20](#)).

Without a configuration, the PanL Display cannot interact with or control any of the connected objects, as shown in [Figure 17](#) and [Figure 18](#).

Under the *Configuration* tab of the selected PanL display, click [**Create Configuration**] to create a configuration for the display.

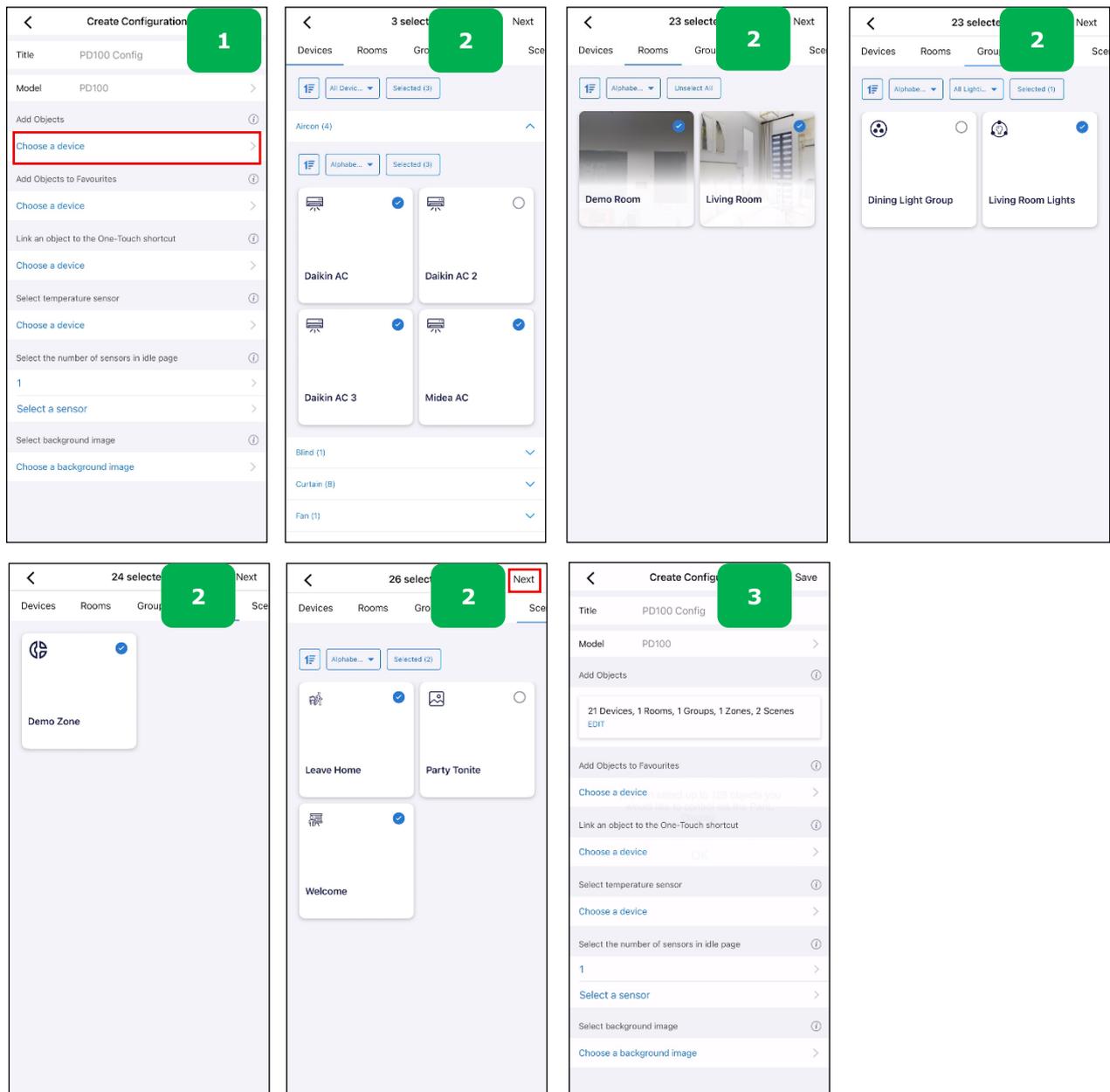


**Figure 4 - Create Configuration**

To create a configuration, the user must minimally configure the list of objects that is required to be controlled via PanL Display and as well favourite objects. All other configurations such as, linking object to One-Touch shortcut, idle page sensors, selecting a temperature sensor, or selecting a background image are optional.

### 3.3.1 Adding Objects

A maximum of 128 objects (devices, rooms, groups, zones, and scenes) can be added to each PanL PD100 Display.



To add objects to a configuration –

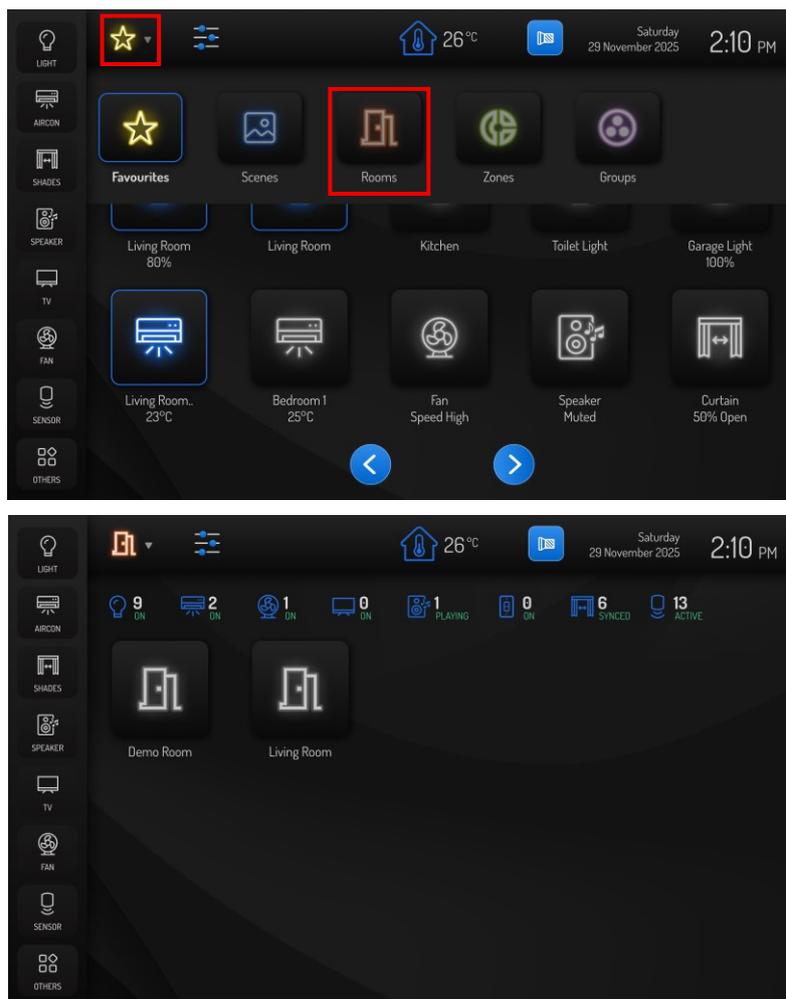
1. Click on [**Choose a device**] under *Add Objects* from the new configuration page.
2. Choose *devices/rooms/zones/scenes/groups* to be controlled by the PanL display. Click on [**Next**] to save the objects.
3. The number of objects selected will be displayed.

Once the saved configuration is sent to the PanL PD100 display (Refer to [Sending Configuration](#)), it will be displayed as shown below. Added devices can be controlled on the display through their respective categories.



**Figure 5 - Create Configuration: Added Devices**

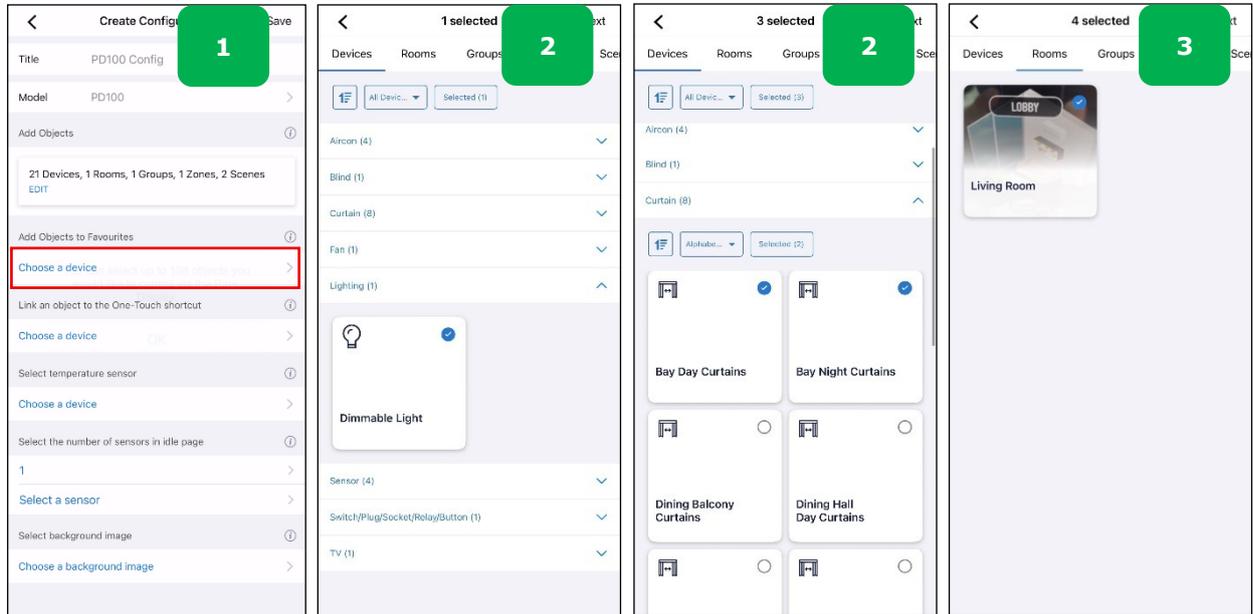
The user can also select from the dropdown to control configured objects by scenes, rooms, groups, or zones. In the example shown below, select *Rooms* from the drop-down list to view all rooms that can be controlled using the PD100 display device.



**Figure 6 - Create Configuration: Added Objects**

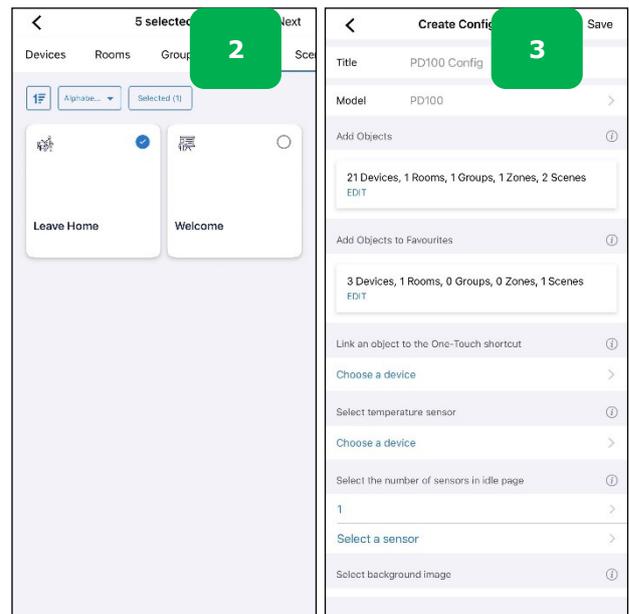
### 3.3.2 Add Objects to Favourites

User can mark the objects selected in [Adding Objects](#) as favorites. These objects can be accessed from the main display screen as shown in [Operating Devices in a Category: Room, Group, Zone, Scene](#).



To set an object as a favorite-

1. Select [**Choose a device**] under *Add Objects to Favourites*.
2. Select the required object/s. Click on [**Next**] to confirm selection.
3. The number of objects selected as favourites will be displayed.



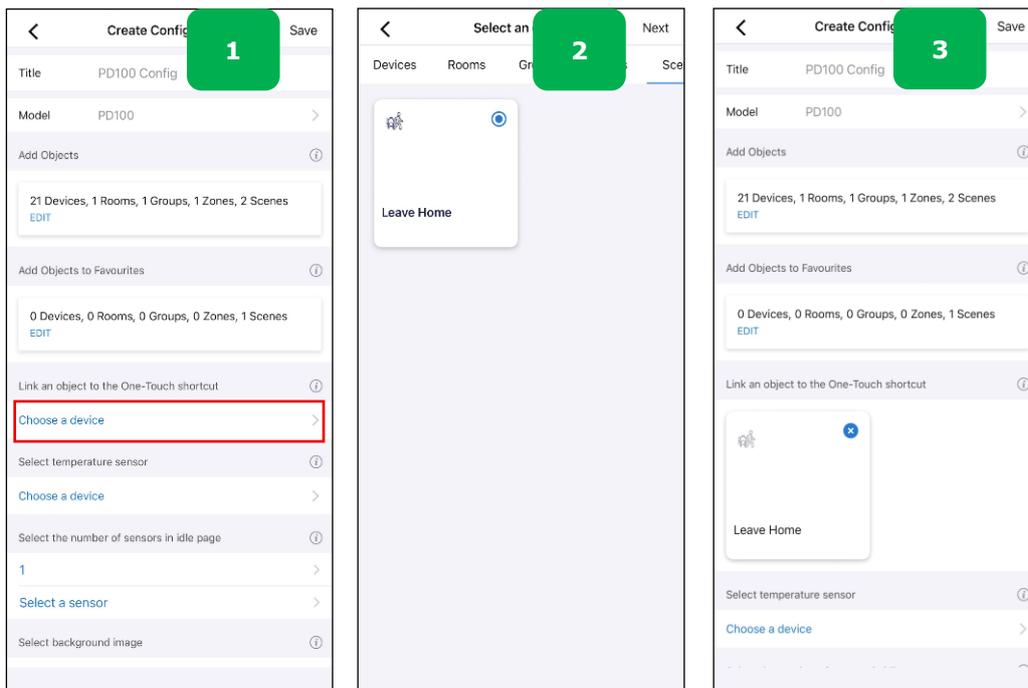
The selected objects marked as favourites can be viewed and controlled from the *Favourites* tab, as shown below.



**Figure 7 - Favourite Objects**

### 3.3.3 Link Object to One-Touch Shortcut

Users can set up objects for quick access on the display using the one-touch shortcut feature. The images below demonstrate how to configure a scene "Leave Home" as a one-touch shortcut. Once added, the shortcut appears on the display (as shown in [Figure 53](#)). Tapping the scene icon activates it which in this example, turns off all connected devices.



To link an object as a One-Touch shortcut –

1. Select [**Choose a device**] under *Link an object to the One-Touch shortcut*.
2. Select a single object. Click on [**Next**] to confirm selection.
3. The object will appear as a one-touch shortcut on the PD100 display.



**NOTE:**

Only the objects marked as Favourites (as shown in [Add Objects to Favourites](#)) can be selected for use with the one-touch shortcut button.

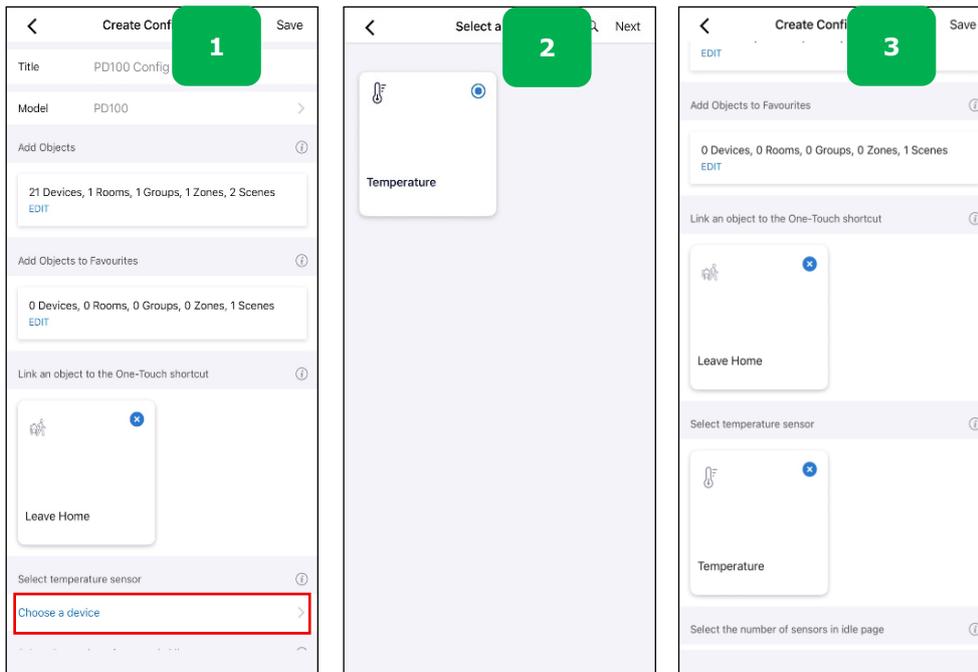
The one-touch shortcut appears at the top of the display, as shown below. In this example, tapping the icon activates the *Leave Home* scene.



**Figure 8 - Create Configuration: Add One-touch Shortcut**

### 3.3.4 Select Temperature Sensor

The user can link an external temperature sensor, allowing the display to show the room's temperature on its main screen during idle mode as shown in [Figure 19](#).



To link a temperature sensor –

1. Select [**Choose a device**] under *Select temperature sensor*.
2. Select the sensor. Click on [**Next**] to confirm selection.
3. Click on [**Save**] to save the changes.

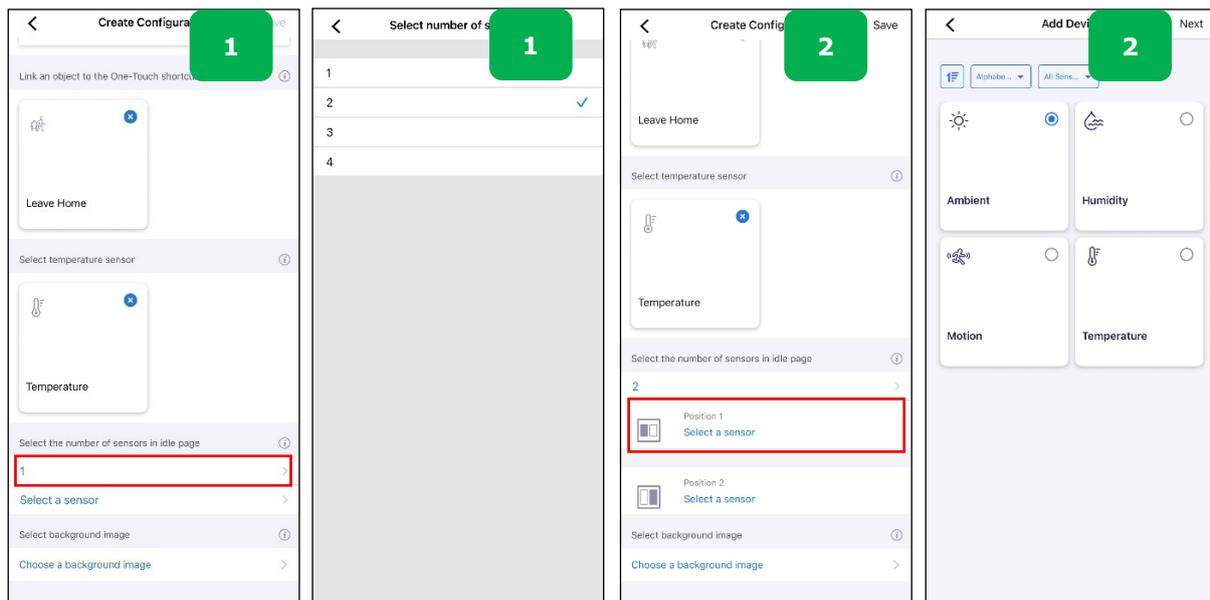
While navigating the display, the temperature sensor reading is updated and shown at the top, as shown below.



**Figure 9 - Create Configuration: Add Temperature Sensor**

### 3.3.5 Configure Idle Page Sensors

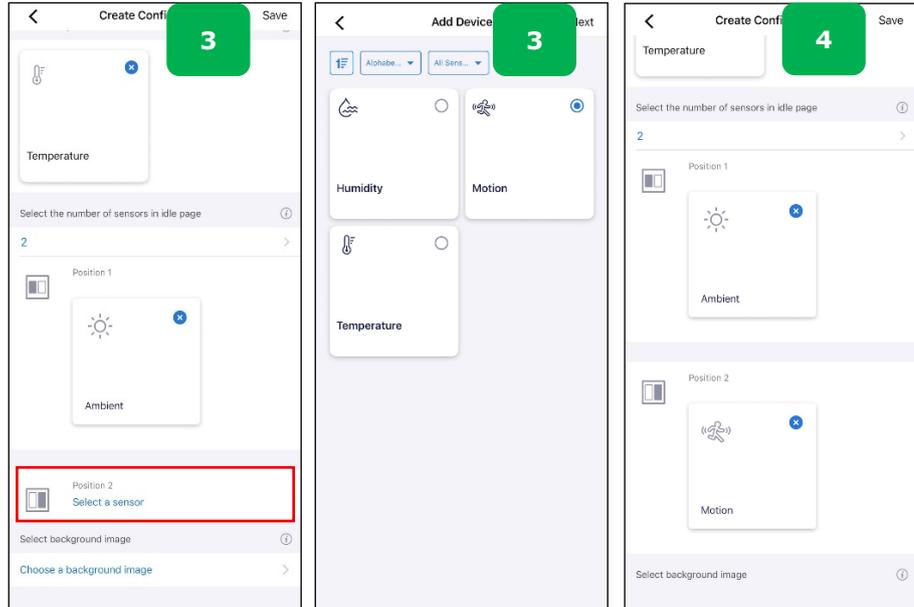
PanL display devices enter idle mode after a configured period of inactivity. The user can select up to four sensors whose readings are displayed while the device is in idle mode.



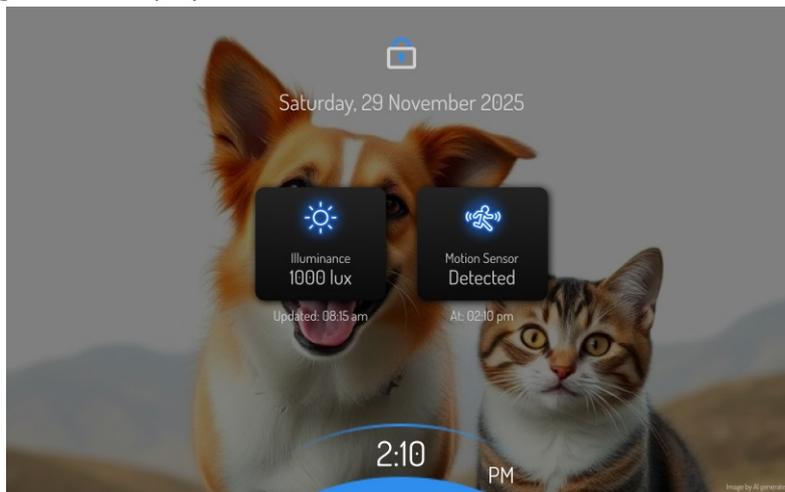
To add idle page sensors –

1. Select the number of sensors to be displayed during idle mode. In this example, two sensors are selected.
2. Choose the first sensor. The Ambient sensor is selected as an example.

3. Choose the second sensor. The Motion sensor is chosen as an example.
4. The Selected sensors are displayed.



The sensor readings will be displayed on the device as shown below:



**Figure 10 - Idle page Sensor Readings**

### 3.3.6 Choosing A Background Image

User can click on [**Choose a background image**] to choose a background for the PanL display.

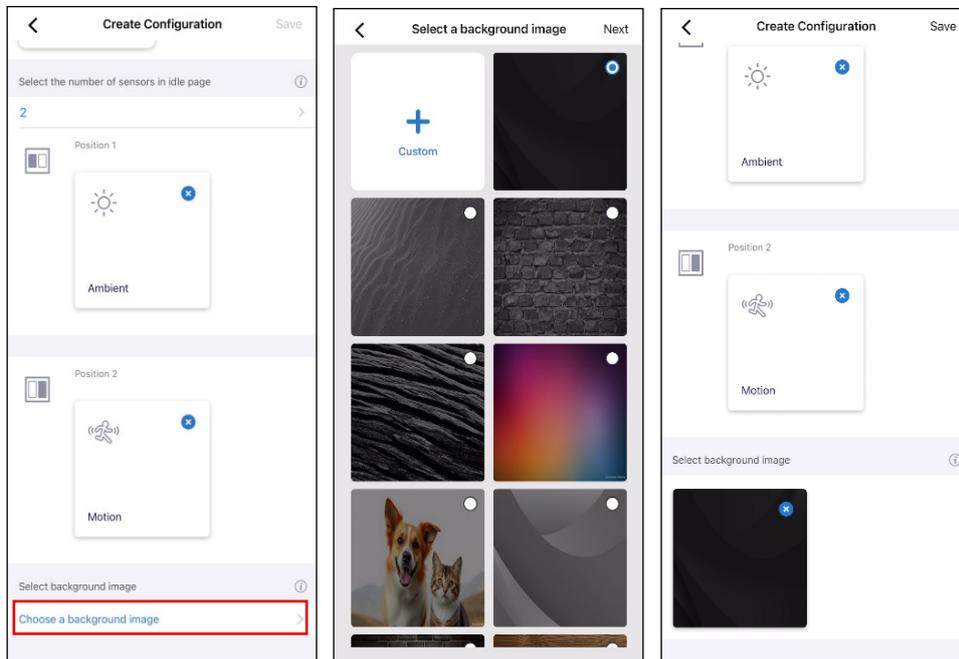


Figure 11 - Select Background Image

Click on [**Save**] to save the configuration.

### 3.4 Using an Existing Configuration

Alternatively, an existing configuration can be configured to the PanL PD100 Display. Selecting a display presents all available configurations that can be applied to it.



**NOTE:**

A PanL PD100 Display can have multiple configurations.

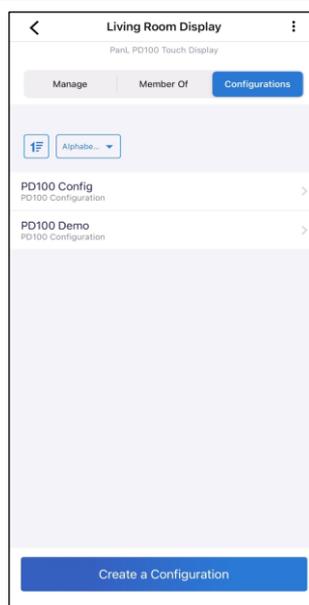


Figure 12 - Select Existing Configuration

User can click on any of the configurations to view it. On clicking the  , user can choose to edit or delete the configuration.

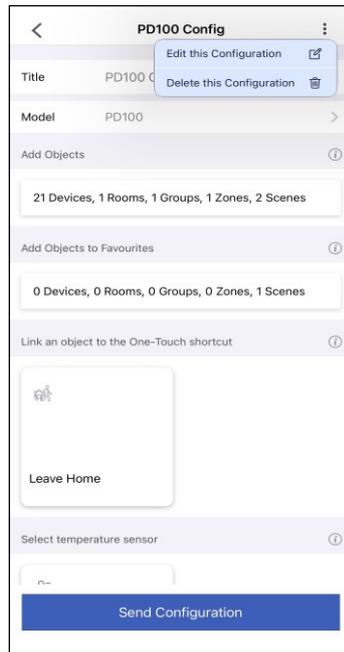


Figure 13 - Existing Configuration Features

### 3.5 Sending Configuration

After creating a new configuration or selecting an existing one, the configuration must be transmitted to the PanL PD100 Display to take effect. Until it is sent out, PanL Display shall not be affected with new edits or updates. This is done by selecting the [**Send Configuration**] button.

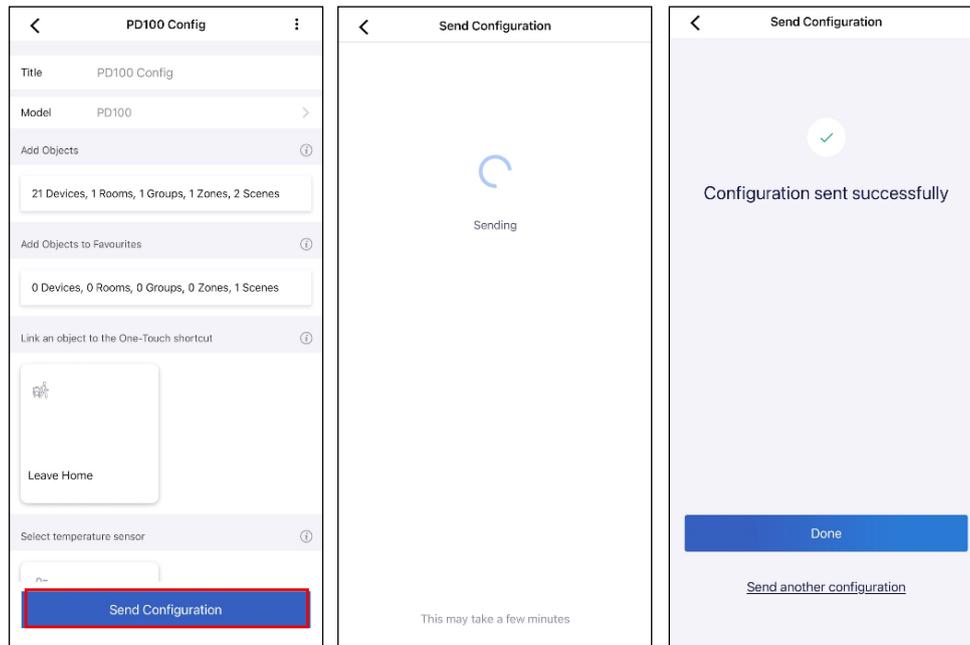
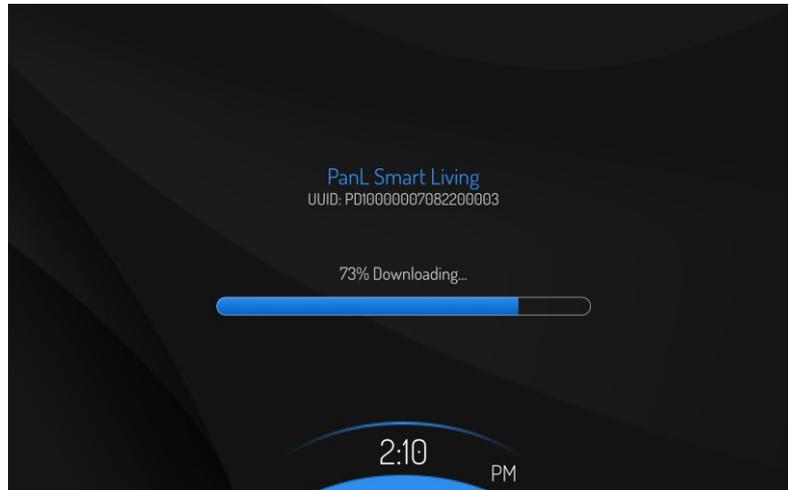


Figure 14 - Sending Configuration

### 3.6 Receiving Configuration on the PanL PD100 Display

When a configuration is sent from the PanL Smart Living mobile app, the following takes place on the PanL Display.

1. PanL PD100 Display will display the configuration's downloading progress page.



**Figure 15 - Downloading Configuration**

2. After the configuration has finished downloading, PD100 Display will automatically reboot to load the new configuration.

### 3.7 Launching PanL PD100 Display

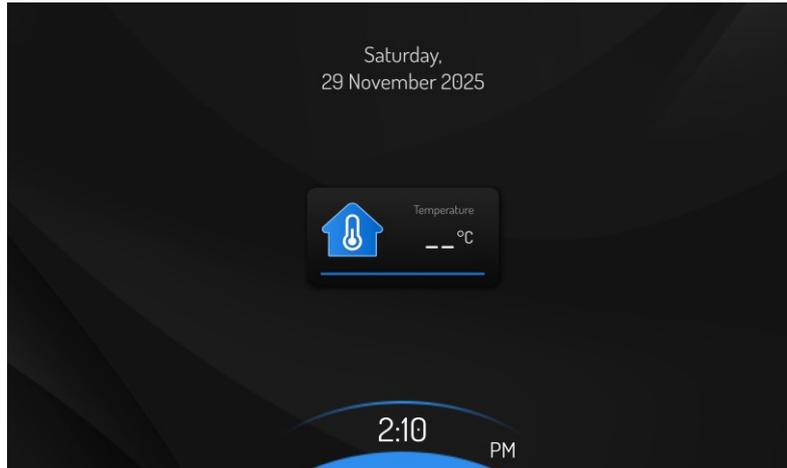
When powered ON, the PanL PD100 Display initiates its bootup sequence and proceeds to enter Idle mode.



**Figure 16 - Initial Animation Page**

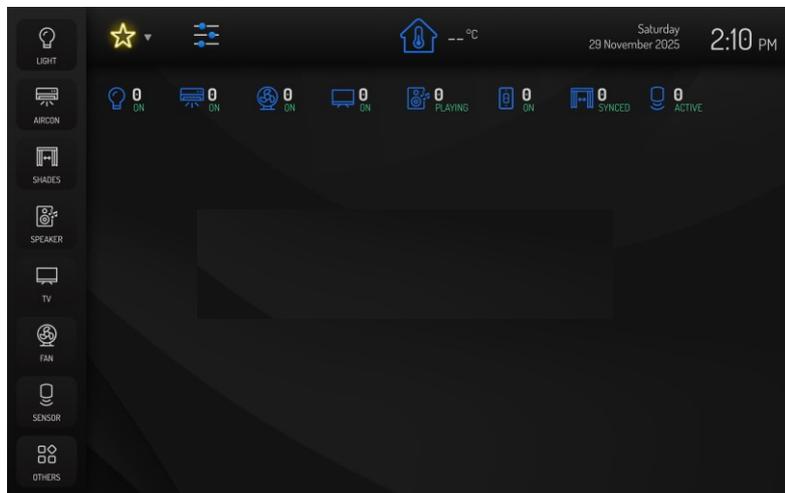
#### **Before Configuration Setup**

The image below shows the display in Idle mode when no configuration has been set up.



**Figure 17 - Idle Page: Before Configuration Setup**

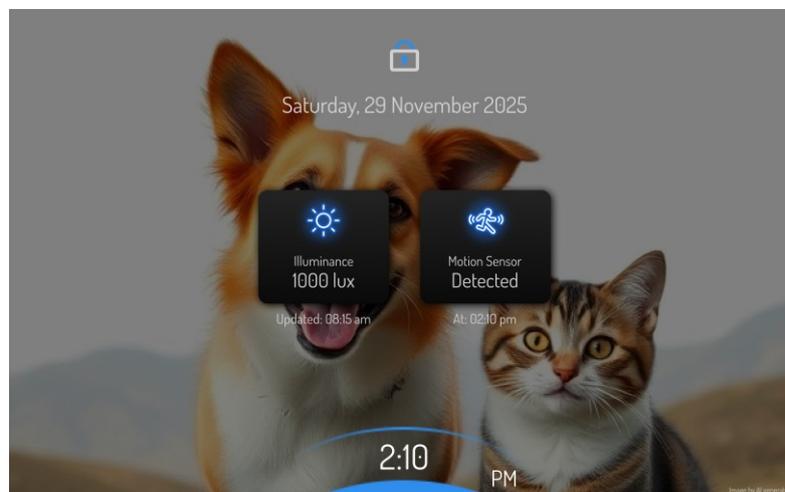
Clicking anywhere on the display will navigate to the Favourites page, which will appear blank since no objects have been added yet.



**Figure 18 - Favourites Page: Before Configuration Setup**

### **After Configuration Setup**

After the configuration has been downloaded to the display, users can view the various configured devices and objects directly on the screen.



**Figure 19 - Idle Page: After Configuration Setup**

When the user taps the display, the favourites page will be the next to load. It will display the configured devices, rooms, groups, zones etc.



**Figure 20 - Favourites Page: After Configuration Setup**

Now, the user can proceed to monitor and control objects using the PanL PD100 Display.

## 4 Operating Objects

### 4.1 Operating Devices

Using the PanL PD100 Display client, the user can monitor and control the devices (such as lights, motorised shades (curtains/blinds), fans ...) in the PanL Network.

Connected devices are categorised as shown below in the PanL PD100 Display.



Figure 21 - Device Category

Selecting any of the categories will display the lists of the configured devices on the right.

#### 4.1.1 Operating the Lights

User can view the different configured light devices upon selecting the **LIGHT** option. Light devices can be controlled using short or long tap.

##### 4.1.1.1 Short Tap

Short tap on any light icon to turn it on (indicated by luminous blue button) and off (indicated by dimmed white button).

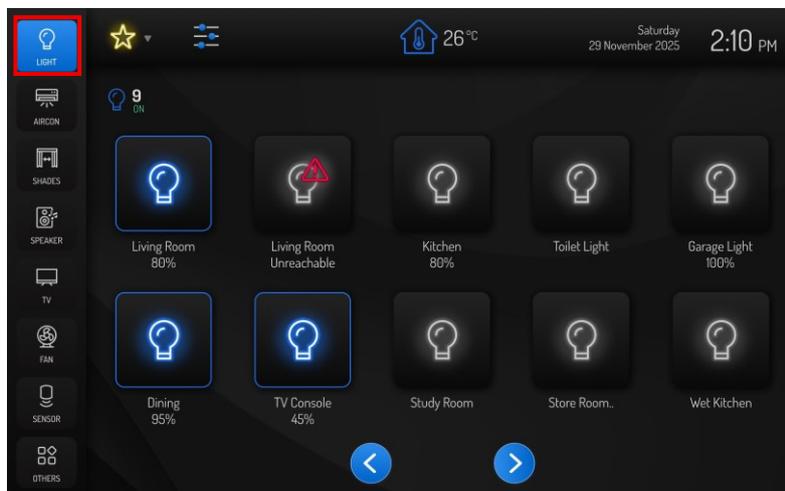


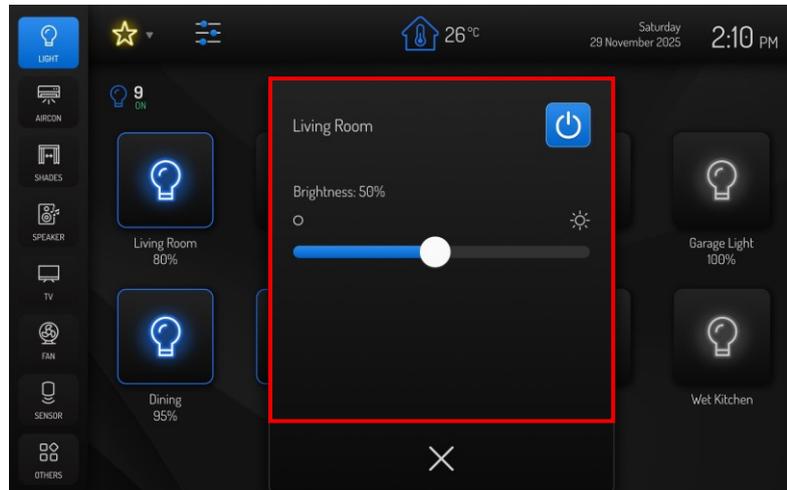
Figure 22 - Operating the lights: Short Tap

### 4.1.1.2 Long Tap

Performing a long tap (i.e. when the light icon is pressed for more than 3 seconds) will open an additional page (as shown below) where user can control brightness, colour, colour temperature etc.

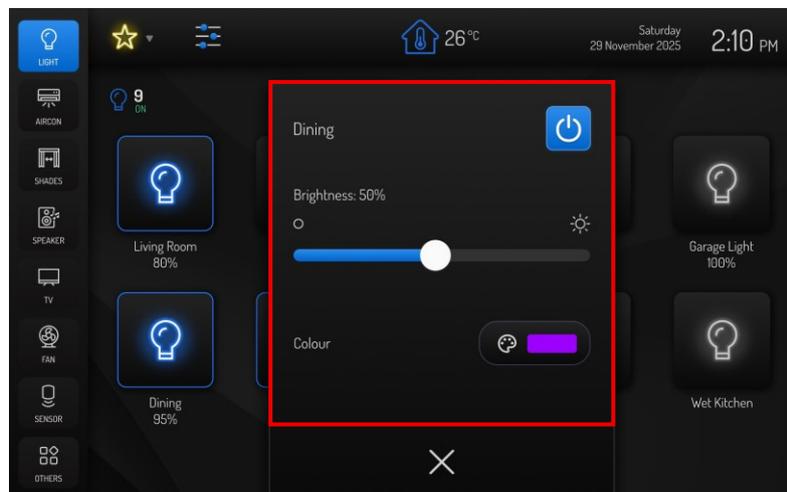
According to the type of lighting device, the user can do one of the following adjustments.

**Type 1:** For Lights with Brightness Control Only (e.g: Living Room Light)



**Figure 23 - Brightness Control**

**Type 2:** For Lights with Brightness and Colour Control (e.g: Dining Light)



**Figure 24 - Brightness and Colour Control**

Colour can be adjusted:

(A) By a colour wheel

The user can choose a colour using the colour wheel and then click [**Done**] to confirm the selection. Alternatively, the user can click [**Cancel**] to discard the changes.



**Figure 25 - Colour Control - Colour Wheel**

(B) By colour temperature (cool white to warm yellow monochrome light)



**Figure 26 - Colour Control - Temperature**

(C) By both - normal colour wheel and colour temperature





**Figure 27 - Colour Control - Colour Wheel & Temperature**

## 4.1.2 Operating the Aircons

User can view the different configured aircon devices upon selecting the **AIRCON** option. Aircon devices can be controlled using short or long tap.

### 4.1.2.1 Short Tap

Short tap on any aircon icon to turn it on (indicated by luminous blue button) and off (indicated by dimmed white button).



**Figure 28 - Operating the Air-cons: Short Tap**

#### 4.1.2.2 Long Tap

Performing a long tap (i.e. when the aircon icon is pressed for more than 3 seconds) will open an additional page (as shown below) where the user can control mode, swing, fan speed etc.

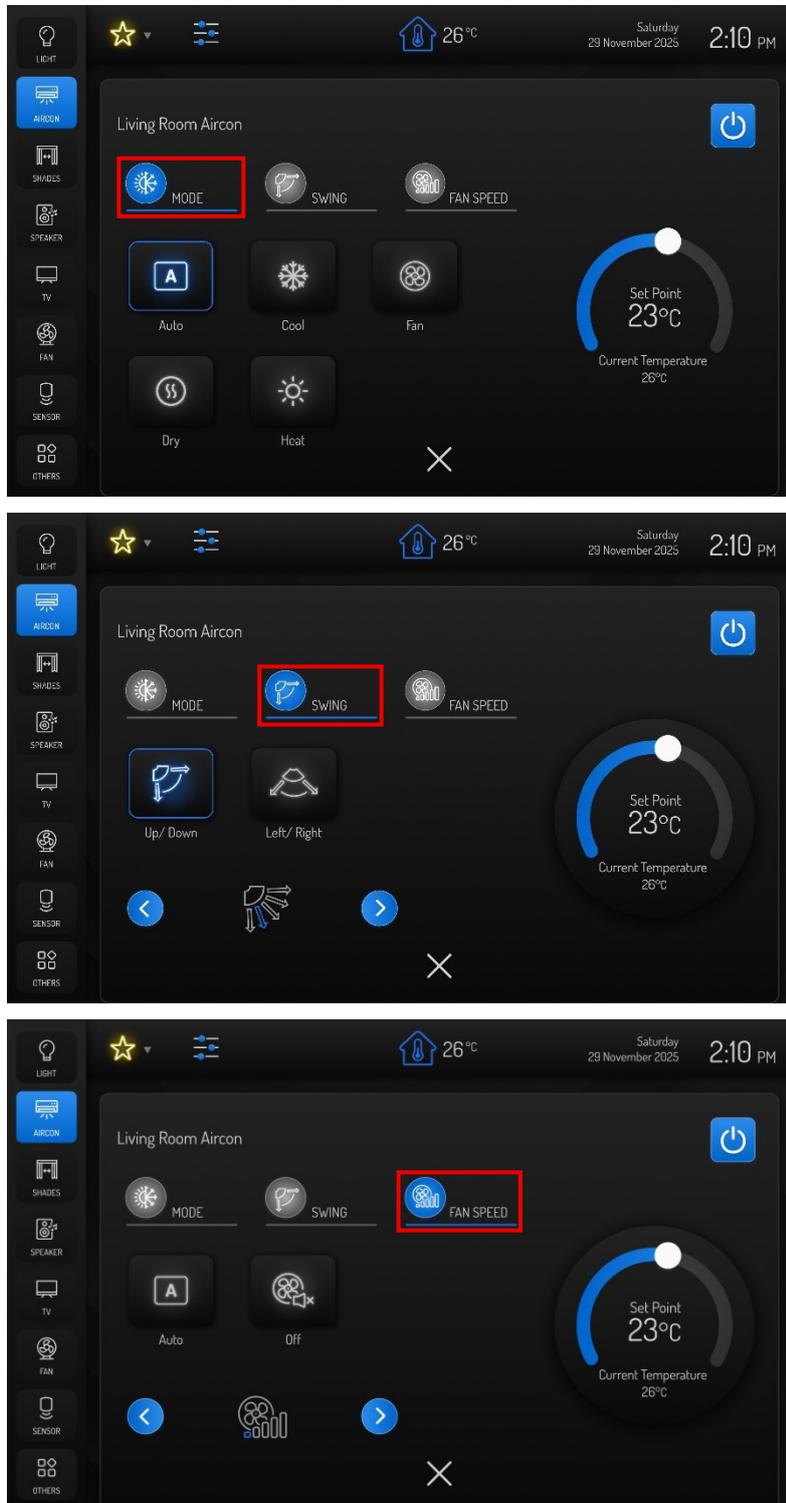


Figure 29 - Operating the Air-cons: Long Tap

## 4.1.3 Operating the Shades (Blinds/Curtains)

User can view the different configured curtains and blinds devices upon selecting the **SHADES** option. Curtain/Blind devices can be controlled using short or long tap.

### 4.1.3.1 Short Tap

Short tap on any shades icon to open (indicated by luminous blue button) and close (indicated by dimmed white button).



Figure 30 - Operating the Shades: Short Tap

### 4.1.3.2 Long Tap

Performing a long tap (i.e. when the Shades icon is pressed for more than 3 seconds) will open an additional page (as shown below) where user can control the available features.

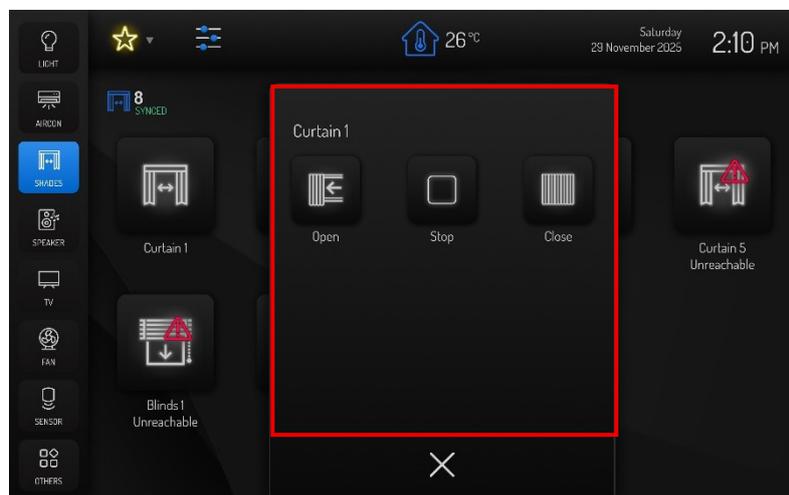
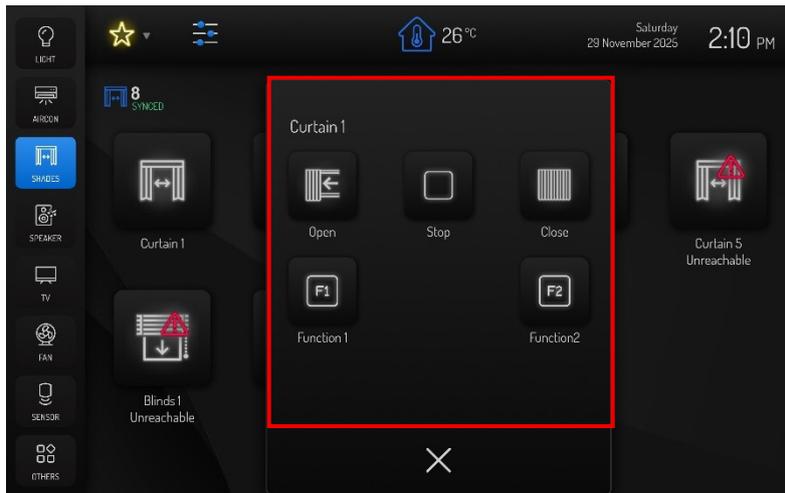
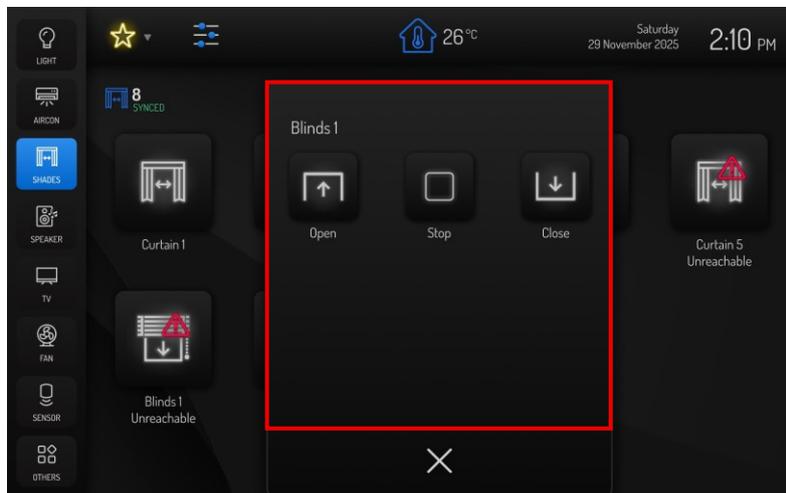


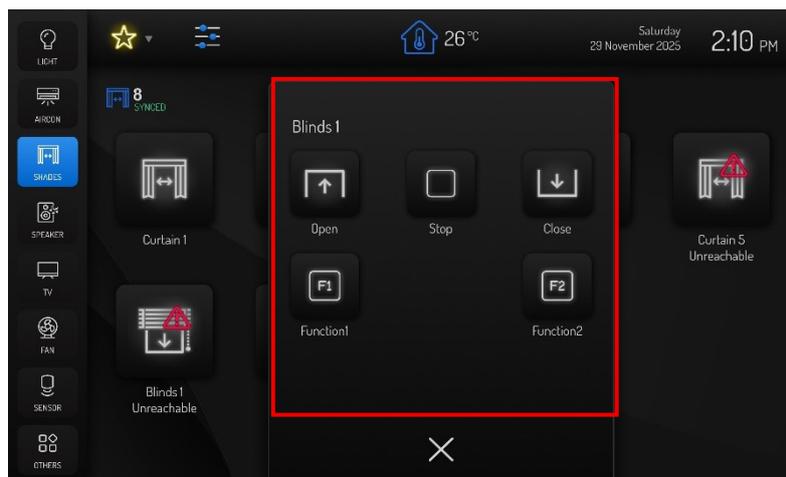
Figure 31 - Curtains with 3 Button Controls



**Figure 32 - Curtains with 5 Button Controls**



**Figure 33 - Blinds with 3 Button Controls**



**Figure 34 - Blinds with 5 Button Controls**

## 4.1.4 Operating the Speakers

User can view the different configured speaker devices upon selecting the **SPEAKER** option. Speaker devices can be controlled using short or long tap.

### 4.1.4.1 Short Tap

Short tap on any speaker icon to play (indicated by luminous blue button) and pause (indicated by dimmed white button).

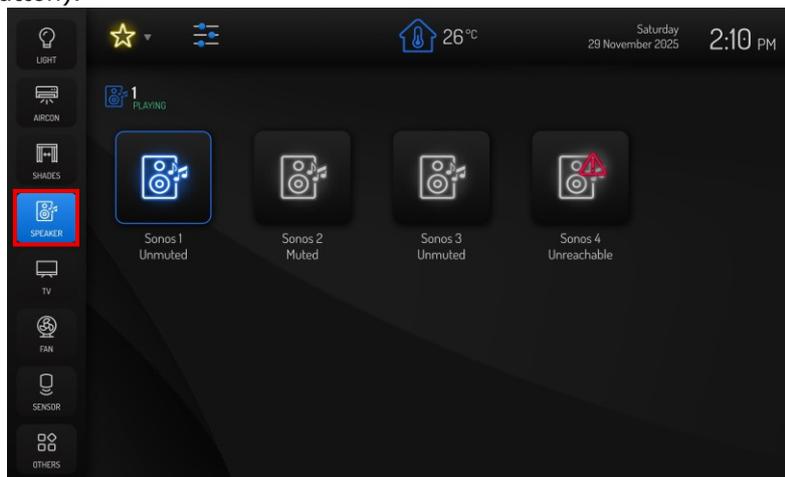


Figure 35 - Operating the Speakers: Short Tap

### 4.1.4.2 Long Tap

Performing a long tap (i.e. when the speaker icon is pressed for more than 3 seconds) will open an additional page (as shown below) where user can control various available device features.

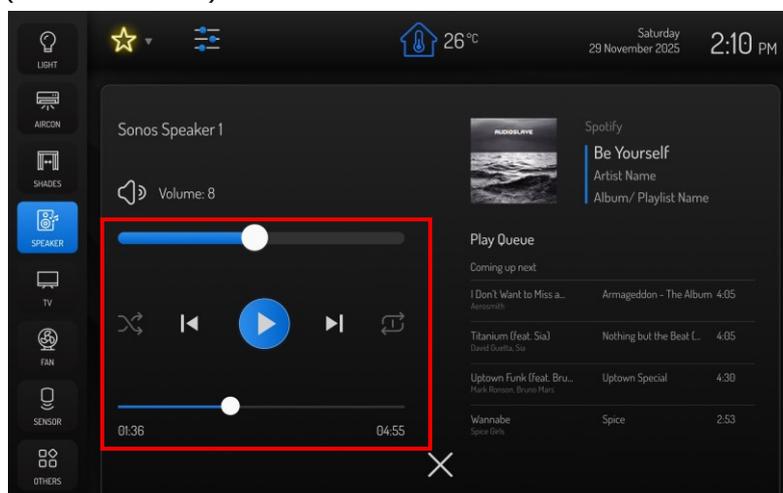


Figure 36 - Operating the Speakers: Long Tap

## 4.1.5 Operating the TVs

User can view the different TV devices upon selecting the **TV** option. TV devices can be controlled using short or long tap.

### 4.1.5.1 Short Tap

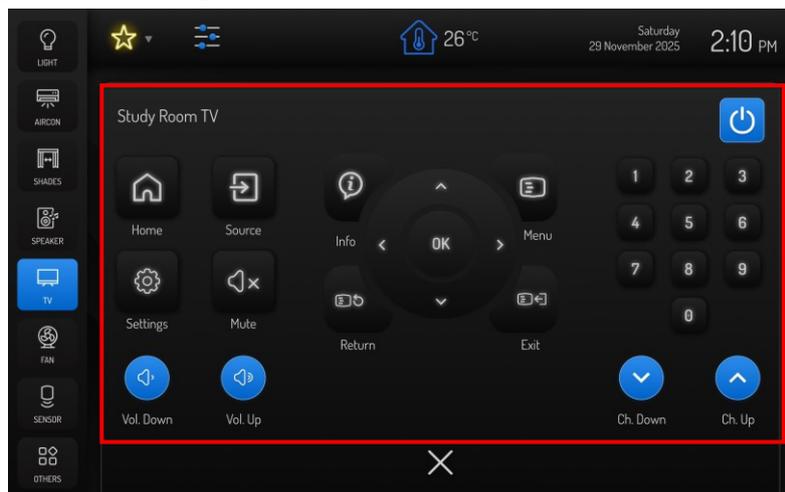
Short tap on any TV icon to turn it on (indicated by luminous blue button) and off (indicated by dimmed white button).



**Figure 37 - Operating the TVs: Short Tap**

#### 4.1.5.2 Long Tap

Performing a long tap (i.e. when the TV icon is pressed for more than 3 seconds) will open an additional page (as shown below) where user can control various available TV features.



**Figure 38 - Operating the TVs: Long Tap**

#### 4.1.6 Operating the Fans

User can view the different Fan devices upon selecting the **FAN** option. Fan devices can be controlled using short or long tap.

##### 4.1.6.1 Short Tap

Short tap on any icon to turn it on (indicated by luminous blue button) and off (indicated by dimmed white button).

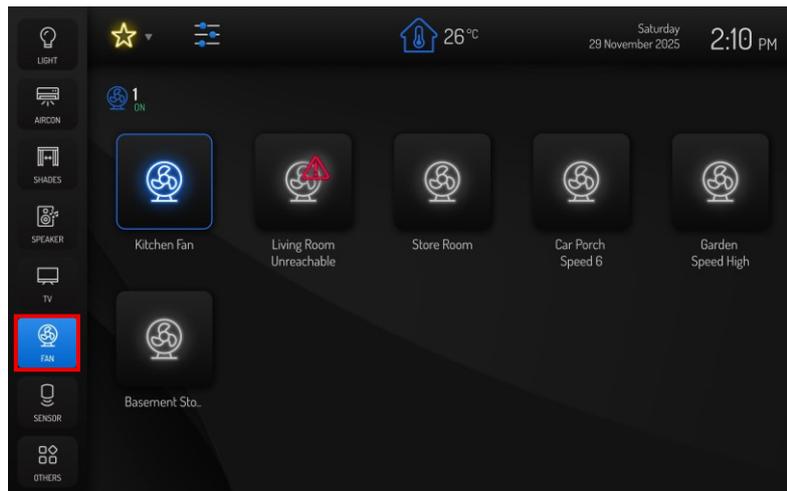


Figure 39 - Operating the Fans: Short Tap

#### 4.1.6.2 Long Tap

Performing a long tap (i.e. when the Fan icon is pressed for more than 3 seconds) will open an additional page (as shown below) where user can control the various available fan features.

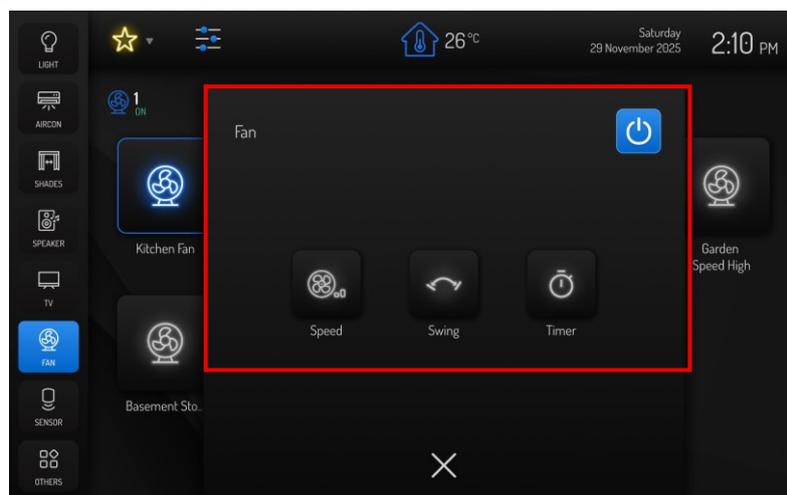


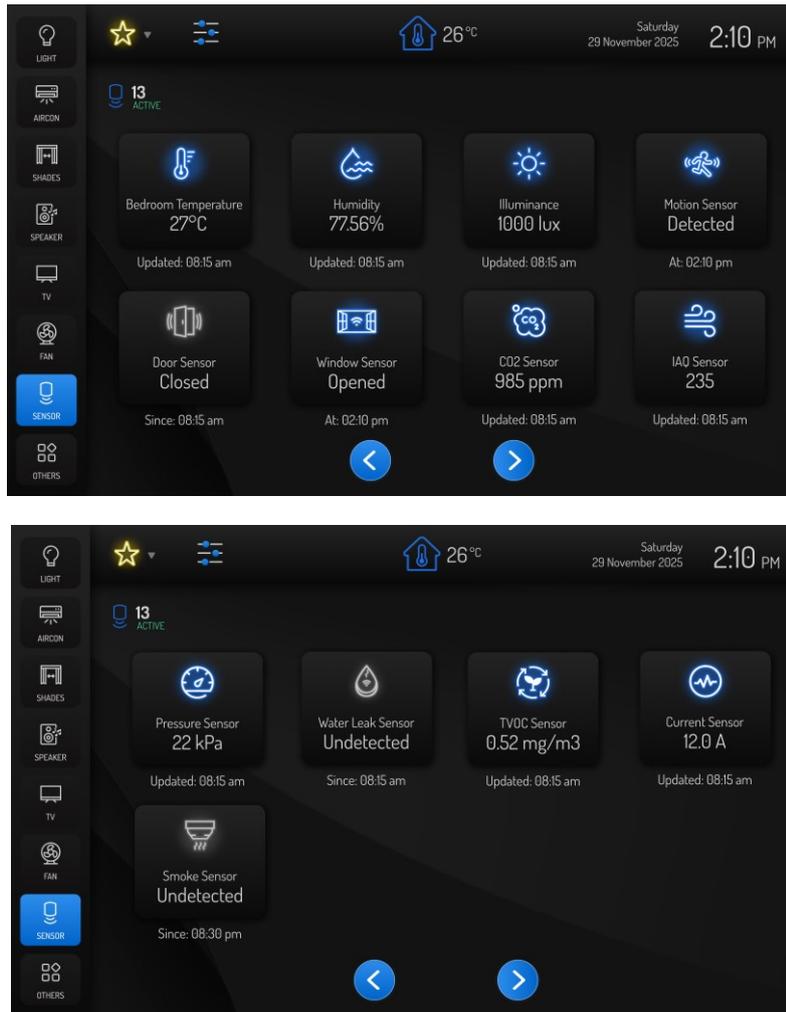
Figure 40 - Operating Fans: Long Tap

#### 4.1.7 Monitoring Sensors

User can view the different configured sensors upon selecting the **SENSOR** category. The following sensors are currently supported by the PSL system:

- Ambient
- CO2
- Temperature
- Door/Window
- Humidity
- IAQ
- TVOC
- Motion
- Pressure
- Smoke Detector
- Water Leak

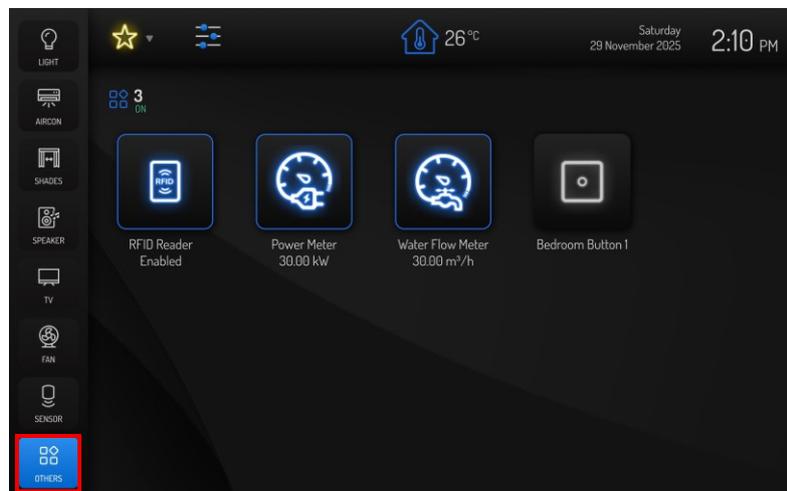
The real-time sensor data will be displayed as shown below.



**Figure 41 - Monitoring Sensors**

### 4.1.8 Operating All Other Types of Devices

Devices such as energy meters, water flow meters, RFID readers, switches, sockets, plugs, buttons, or relays will appear under the **OTHERS** category.



**Figure 42 - Others Category**

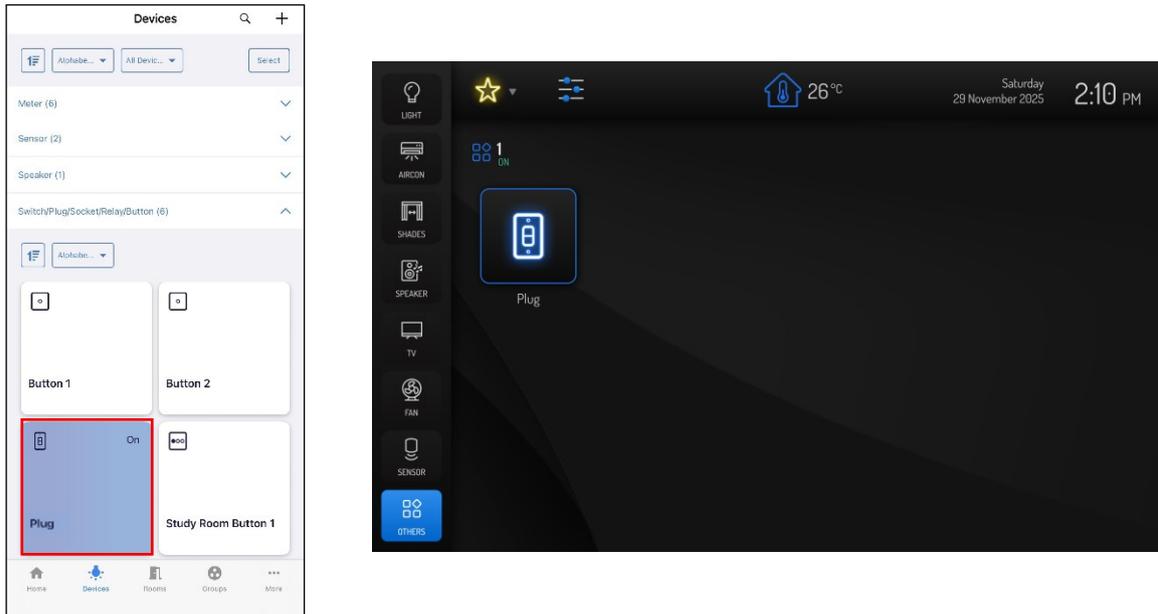
Note that RFID readers and power/water flow meters display only their current status or values. No action is performed when a long tap is applied to these devices.

All other devices can be controlled through the following methods:

#### 4.1.8.1 Basic ON/OFF

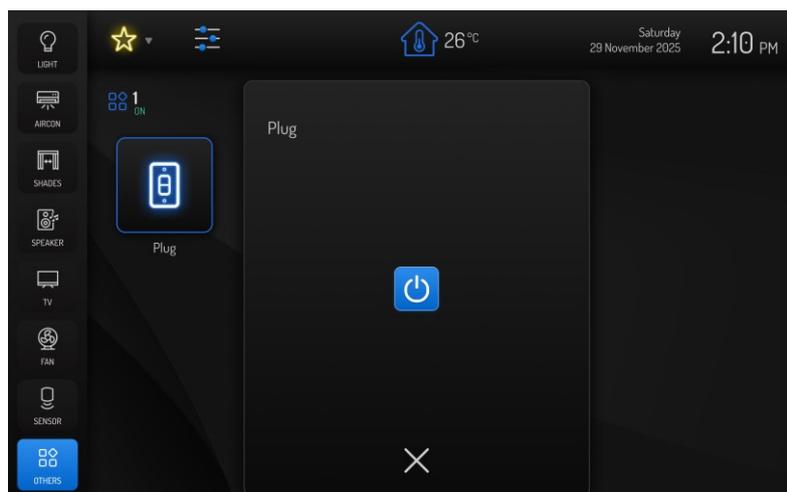
For example, if a plug/relay-controlled device is added to the display configuration it will be displayed under the OTHERS category and will perform basic ON/OFF function as shown below.

Short tap on any icon to turn it on (indicated by luminous blue button) and off (indicated by dimmed white button).



**Figure 43 - Operating OTHER devices: Mobile app vs Display view**

Performing a long tap (i.e., pressing the icon for more than 3 seconds) will open an additional page (as shown below), where the user can also perform ON/OFF operations.

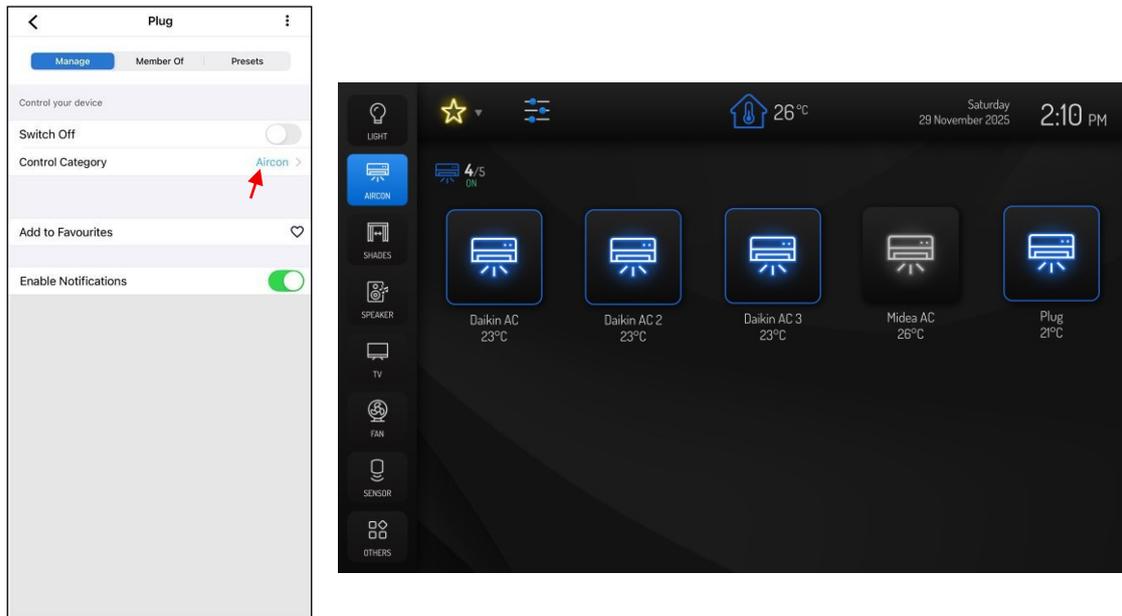


**Figure 44 - Operating OTHERS devices: Long Tap**

### 4.1.8.2 Control Other Devices

A switch, plug, socket, button or relay object can be configured to control other devices, such as fans, lights, or air conditioners if that device is connected behind the switch/plug/socket/relay/button. This can be done by modifying the device *Control Category* via the PSL mobile app.

In the example below, a plug device is linked to control an aircon device via the PSL mobile app. Once the plug has been added to PD100 display configuration, it will be shown under *Aircon* category as shown below.



**Figure 45 - Controlling Other Devices: Mobile App VS Display View**

Performing a long tap (i.e., pressing the icon for more than 3 seconds) will open an additional page (as shown below), where the user can also perform only ON/OFF operations.



**Figure 46 - Control Other devices: Long Tap**

## 4.2 Operating Devices in a Category: Room, Group, Zone, Scene

The top navigation bar of the PanL display consists of various categories, including favourites, scenes, rooms, zones, and groups as shown in figure below.

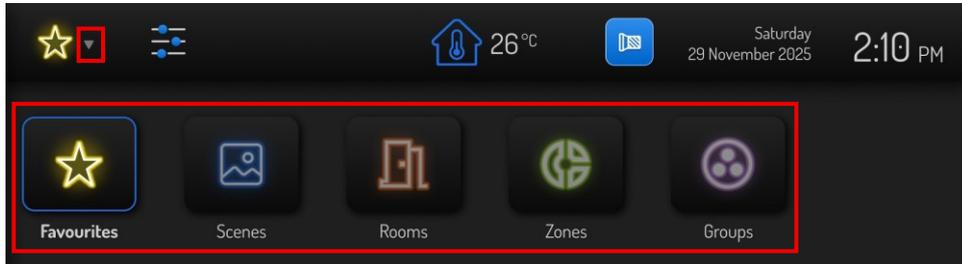


Figure 47 - Navigation Menu



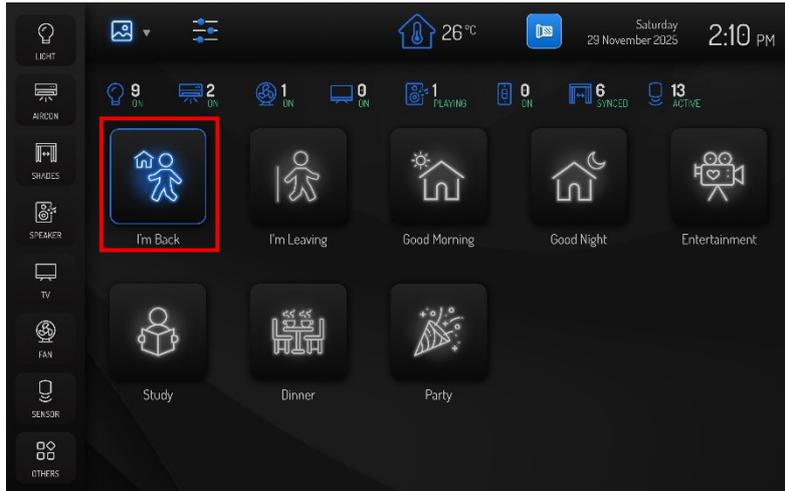
Figure 48 - Navigation Menu by Group Type

### General Procedure:

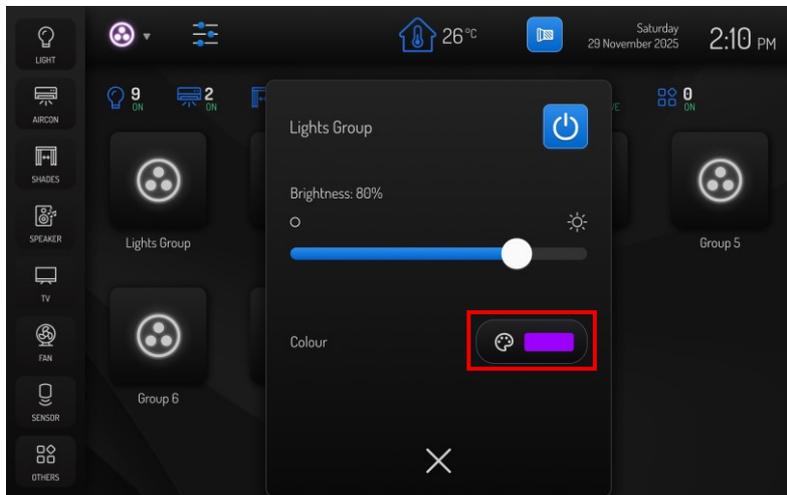
1. Tap to select a category. It can be favourites, scenes, rooms, zones, or groups.
2. The user will see the various Favourites, Scenes, Rooms, Zones, and Groups configured for the PanL Display.
3. Depending on whether the user performs a short or long tap, each category will respond as follows:

Category	Action	Result
Favourites	Short Tap	Turn object ON/OFF
	Long Tap	Display additional control menu for the device
Scenes	Short / Long Tap	Play/Activate the scene
Rooms	Short Tap	Turn all devices configured in the room ON/OFF
	Long Tap	Display the members
Zones	Short Tap	Turn all devices configured in the zone ON/OFF
	Long Tap	Display the members
Groups	Short Tap	Control the <b>common controls available for the group</b>
	Long Tap	Display the members

Table 1 - Navigation Menu Control



**Figure 49 - Short Tap Example: Scene**



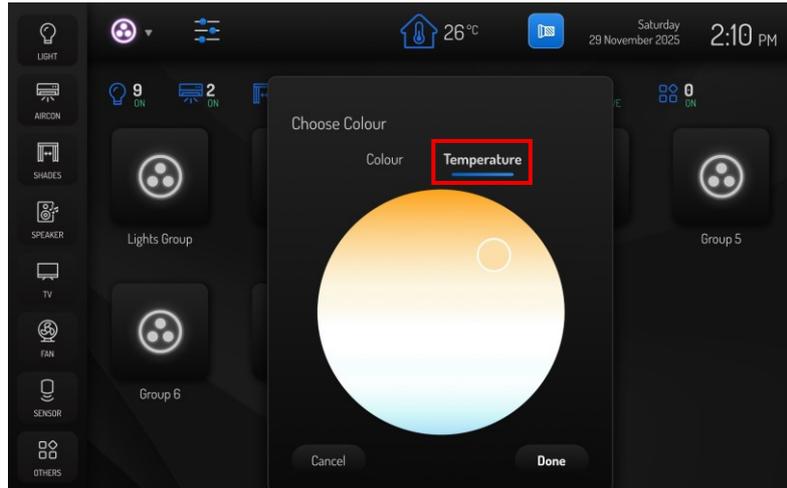


Figure 50 - Short Tap Example: Group

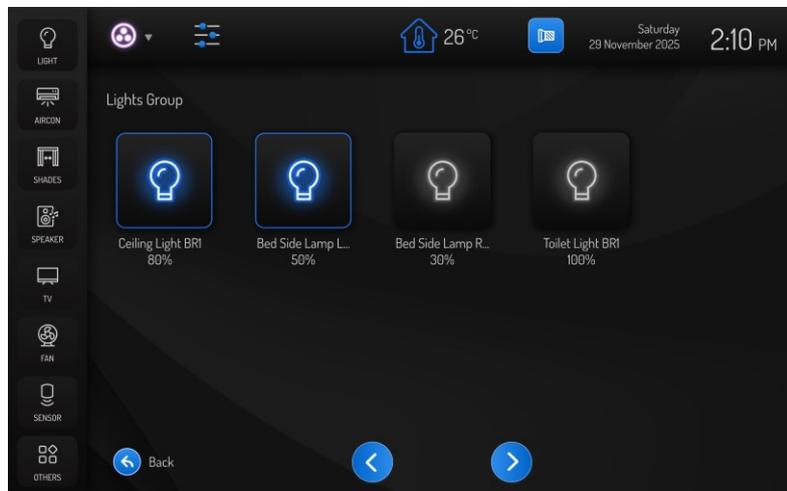


Figure 51 - Long Tap Example: Group

### 4.3 Operating Objects via One-Touch Control Button

The One Touch control button provides quick access to individual devices, groups, rooms, zones, and scenes. It can be customized through the display configuration and appears at the top of the PanL PD100 display. The button icon changes based on the configured device or category.



Figure 52 - One Touch button configured to control a light device

If the one-touch button is configured as a scene, as shown below, tapping the button will turn all associated objects in that scene ON/OFF.



**Figure 53 - One Touch Button Configured to Control a Scene**

## 5 Display Information & Settings

### 5.1 View Display Information

PD100 display information can be viewed by selecting the “**About**” option as highlighted below.

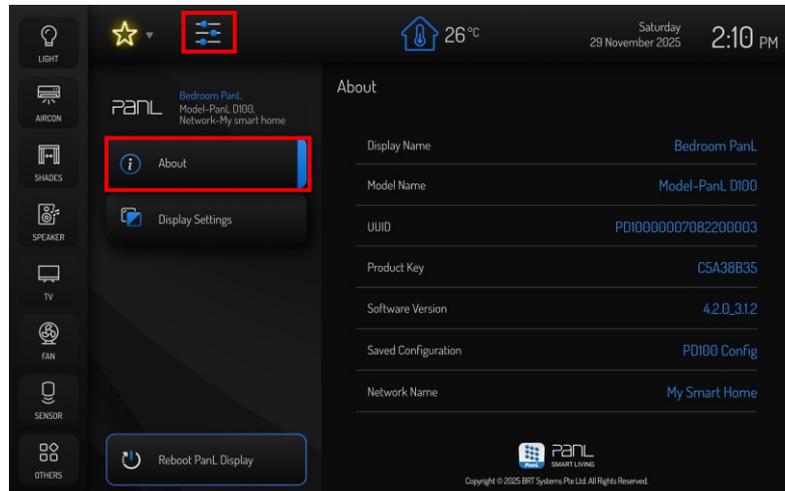


Figure 54 - View Display Information

### 5.2 Display Settings

To view/update display settings, select the “**Display Settings**” option as depicted in the screenshots shown below.

#### 5.2.1 Brightness Control

User can control the brightness of the device by using the slider feature. The Auto Brightness toggle switch can be used to have the brightness be automatically adjusted based on the surrounding ambient light.

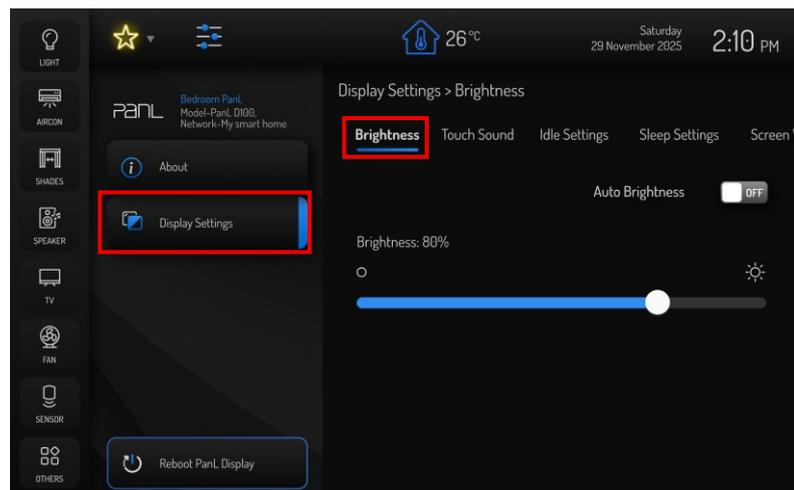


Figure 55 - Set Brightness

## 5.2.2 Touch Sound Control

For touch sound control, users can select from a list of available sounds. The slider on the right can be used to enable/disable the selected sound.

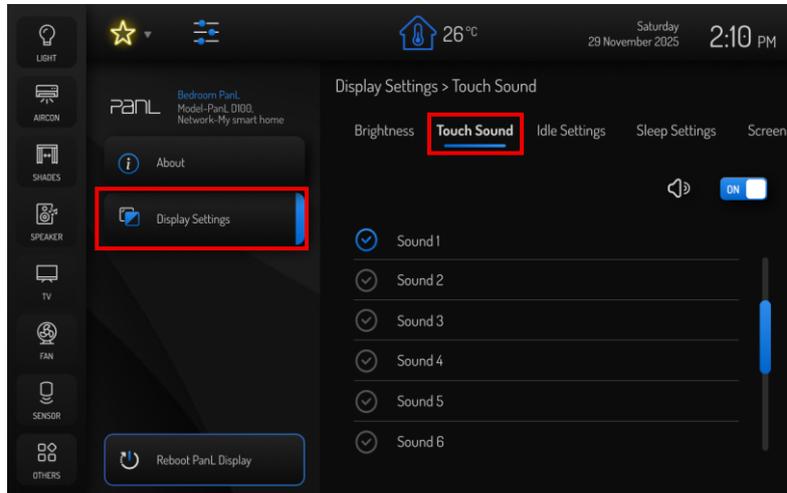


Figure 56 - Set Touch Sound

## 5.2.3 Idle Settings Control

Idle timeout refers to the time delay that PanL PD100 Display will wait before displaying its idle page (see [Figure 18](#) and [Figure 19](#)). The user can activate the Idle Timeout by enabling the toggle switch and configure the duration by adjusting the slider to set the desired minutes and seconds.

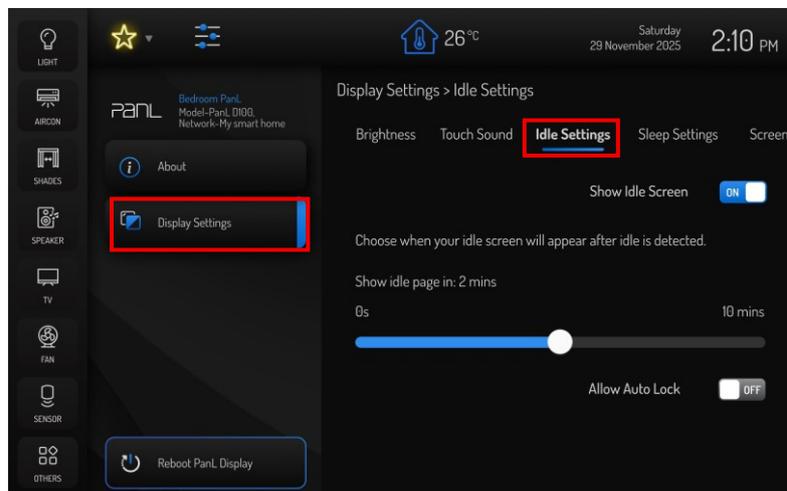
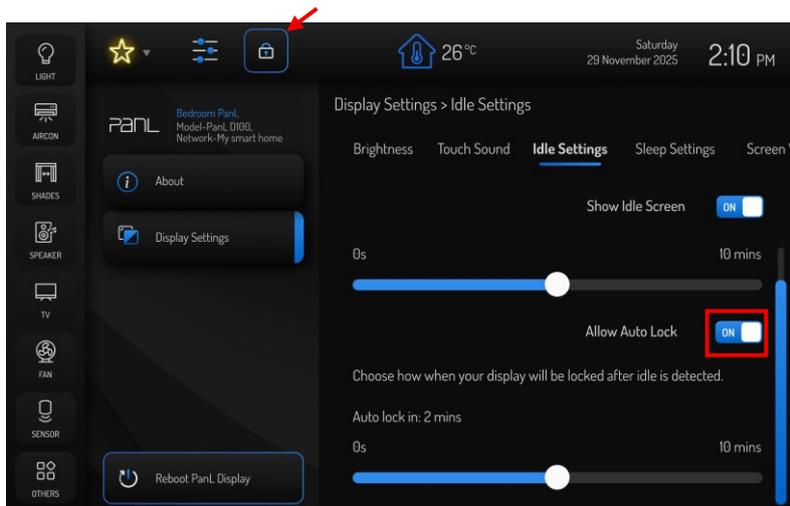


Figure 57 - Set Idle Timeout

### 5.2.3.1 Auto lock/unlock Feature

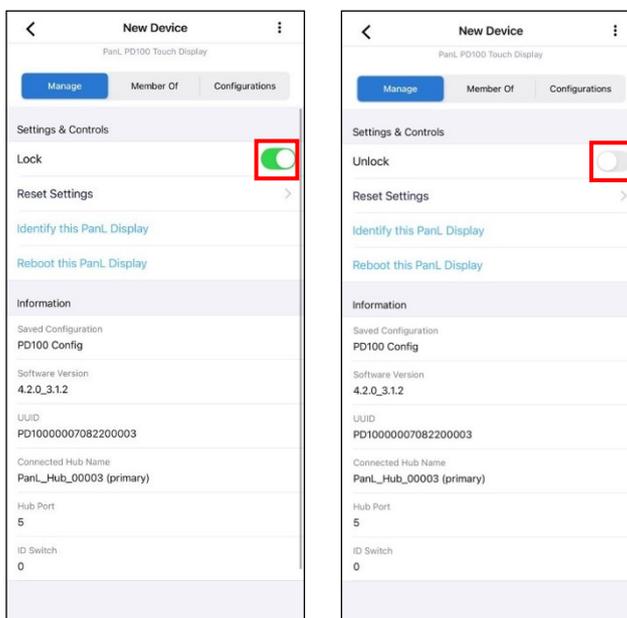
Users can enable the display lock by toggling the **Allow Auto Lock** option. When enabled, the display automatically locks after a predefined period of inactivity to prevent unauthorized interactions.

The display can be unlocked either by tapping the **Lock** button on the display page via PSL app or automations.



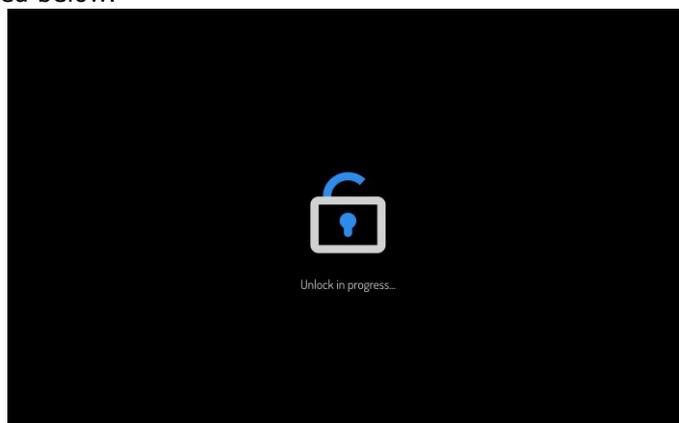
**Figure 58 - Auto lock Feature**

Once Auto Lock is enabled, users can manually lock or unlock the display device from the PSL app, as shown below:



**Figure 59 - Auto Lock Feature: PSL App**

Another method to unlock the display device is by creating an event in the PSL app. When an RFID card is tapped on the RFID reader, the display device is unlocked. The unlock progress is shown on the display, as illustrated below.



**Figure 60 - Display Unlock in Progress**

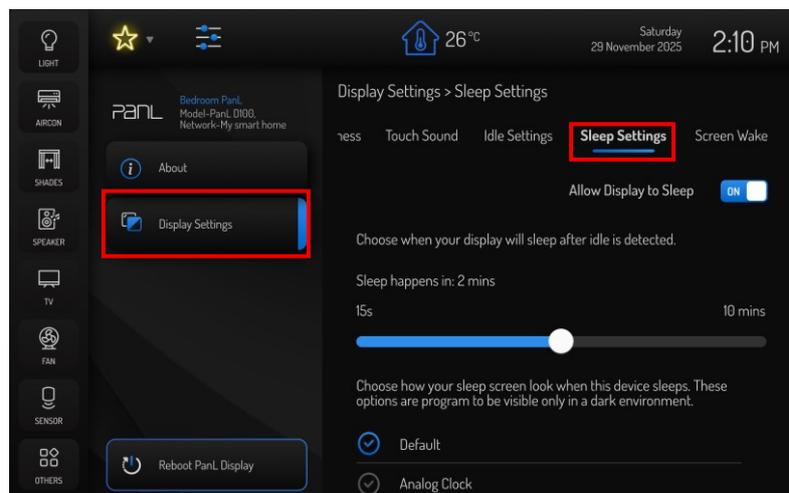
## 5.2.4 Sleep Settings

Screen timeout refers to the time delay that PanL PD100 Display will wait before going to sleep mode. If both idle and sleep modes are enabled, the display will first enter idle mode and then transition into sleep mode.

The user can activate the screen timeout by enabling the toggle switch and configure the duration by adjusting the slider to set the desired minutes and seconds.

By default, the display turns black (blank) when entering sleep mode. If an alternative option such as an *Analog Clock* is selected, the clock will be shown during sleep mode.

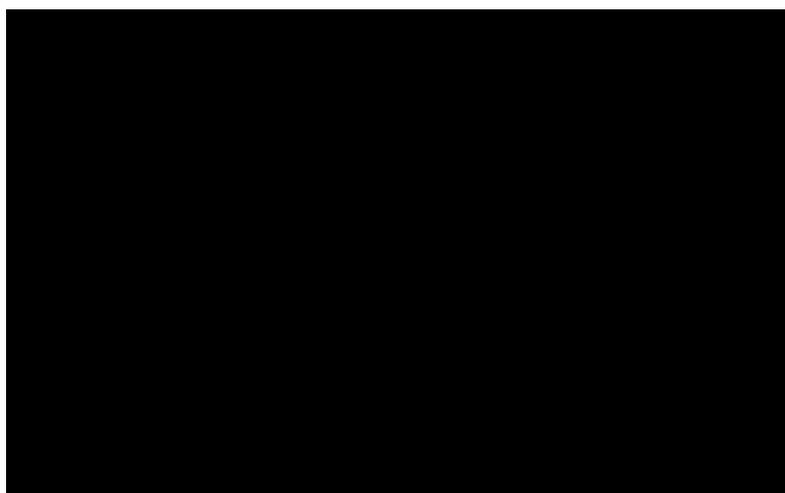
The clock is designed to remain subtle in normal daylight conditions and becomes visible only in low-light or dark environments, providing gentle illumination to help users locate and access the display without being intrusive.



**Figure 61 - Set Screen Timeout**

Below images illustrate the available sleep display options:

**Default:**



**Figure 62 - Sleep Screen: Default**

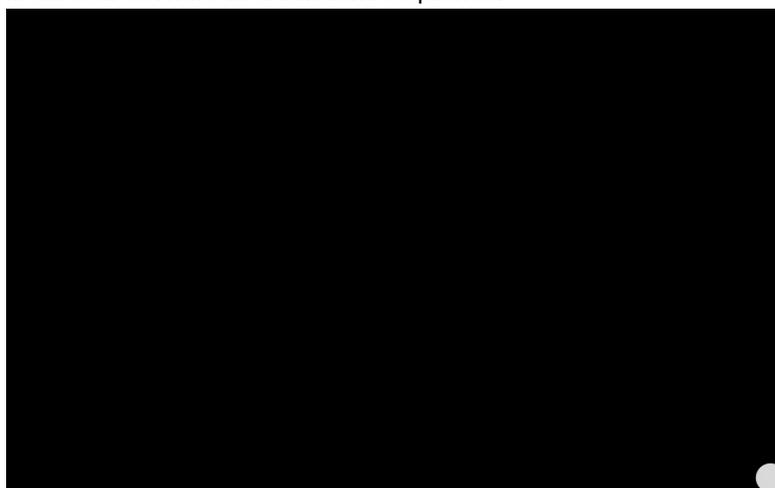
**Analog Clock:**



**Figure 63 - Sleep Screen: Analog Clock**

**Dots in each corner animation:**

Dots animate around all four corners in a random sequence.



**Figure 64 - Sleep Screen: Dots Animation**

### 5.2.5 Screen Wake Control

This refers to Time-of-Flight (ToF) setting for PanL PD100 Display to perform smart wakeup when it detects a person's presence within a vicinity. By flipping on the toggle switch, the user can activate screen wakeup capability.

Once enabled, the user can choose the time and the required level of sensitivity for the display device. The sensitivity levels—Low, Medium, and High—correspond to detection distances of 0.5 m, 1 m, and 1.5 m respectively.

A custom time range may be provided, or the duration can be set to "All Day."

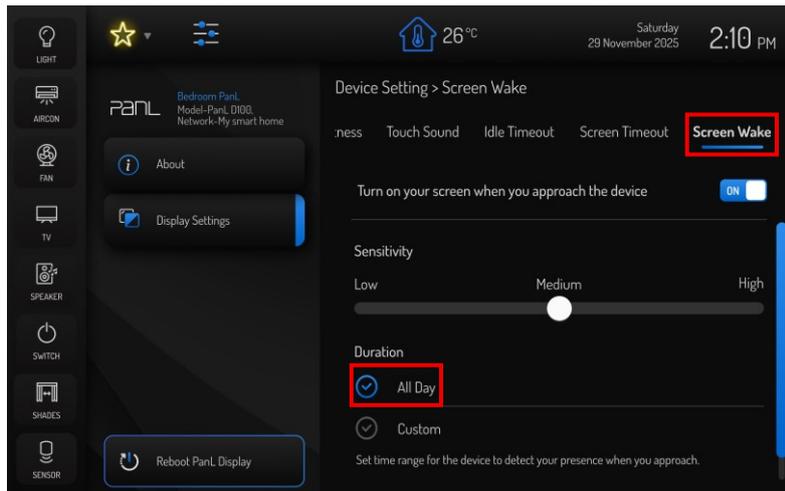


Figure 65 - Set Screen Wake: All Day

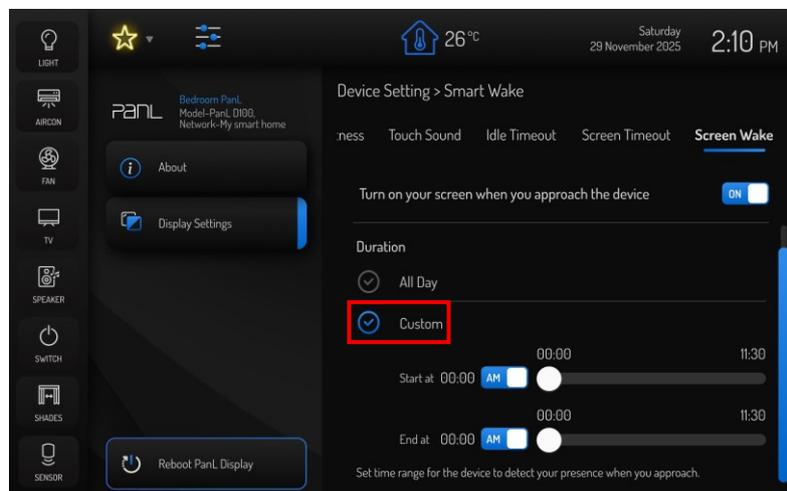
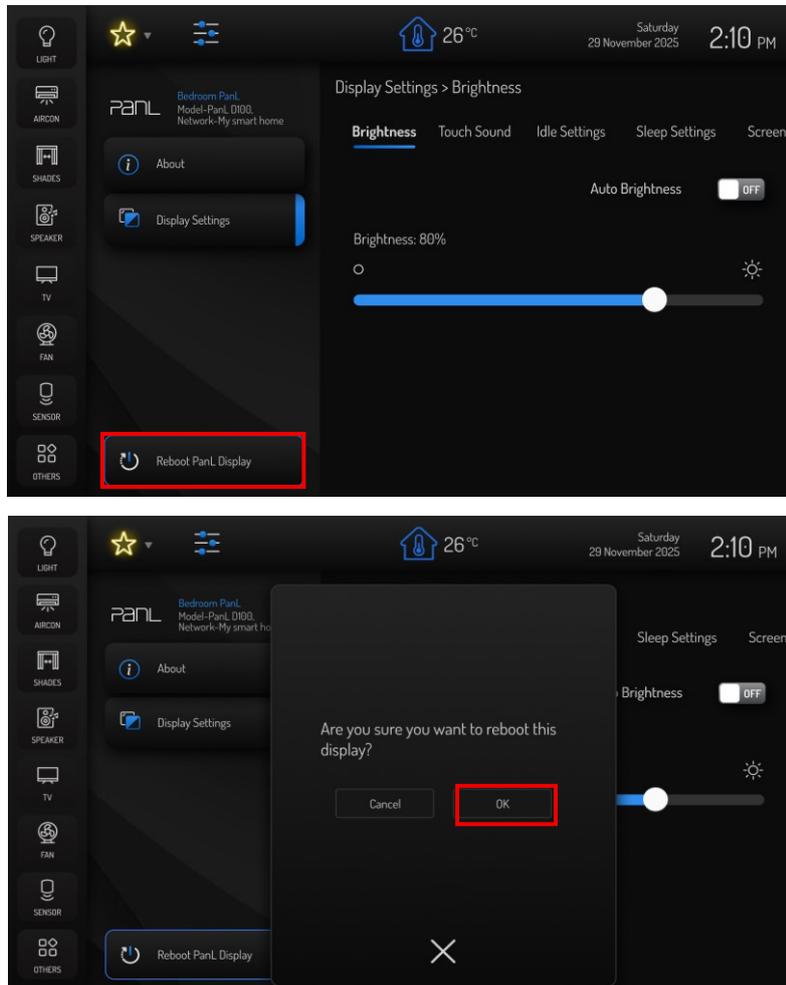


Figure 66 - Set Screen Wake: Custom

### 5.3 Reboot PanL Display

Users can initiate a display reboot by selecting the **Reboot PanL Display** option.



**Figure 67 - Reboot PanL Display**

 **NOTE:** The same operation can be initiated from the PSL mobile app. Refer to [Reboot Display](#) for more information.

## 6 Mobile App Features

Click on to view the available features for PanL PD100 display through Mobile Apps.

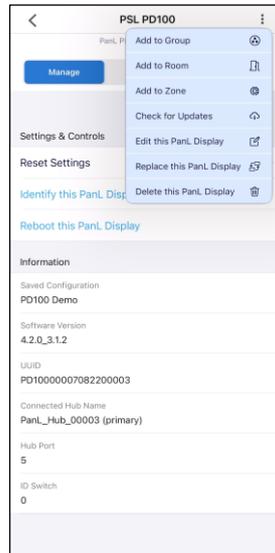


Figure 68 - PD100 Additional Features

### 6.1 Add to Room/Group/Zone

Users can add the display to a room, group, or zone by selecting one of the following options:

- Add to Group
- Add to Room
- Add to Zone

### 6.2 Rename PanL PD100 Display

Select -> **Edit this PanL Display** option to rename the device.

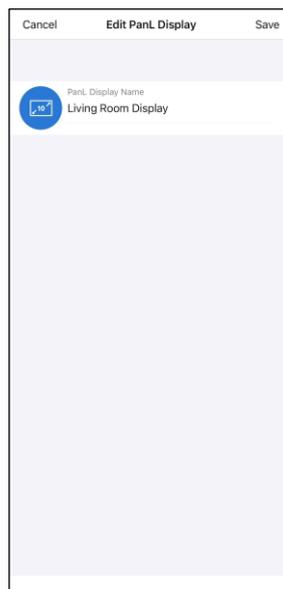
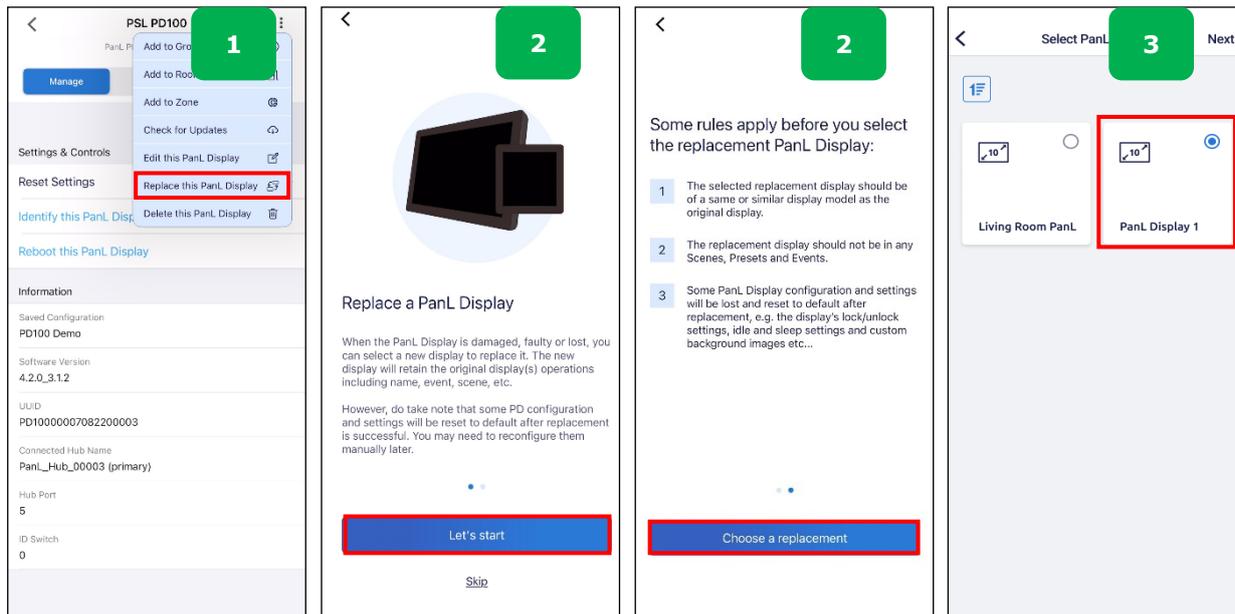


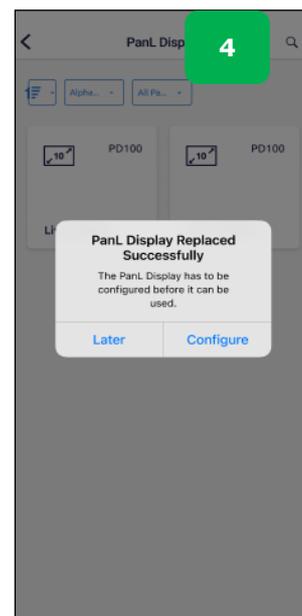
Figure 69 - Rename PanL PD100 Display

## 6.3 Replace PanL Display Device



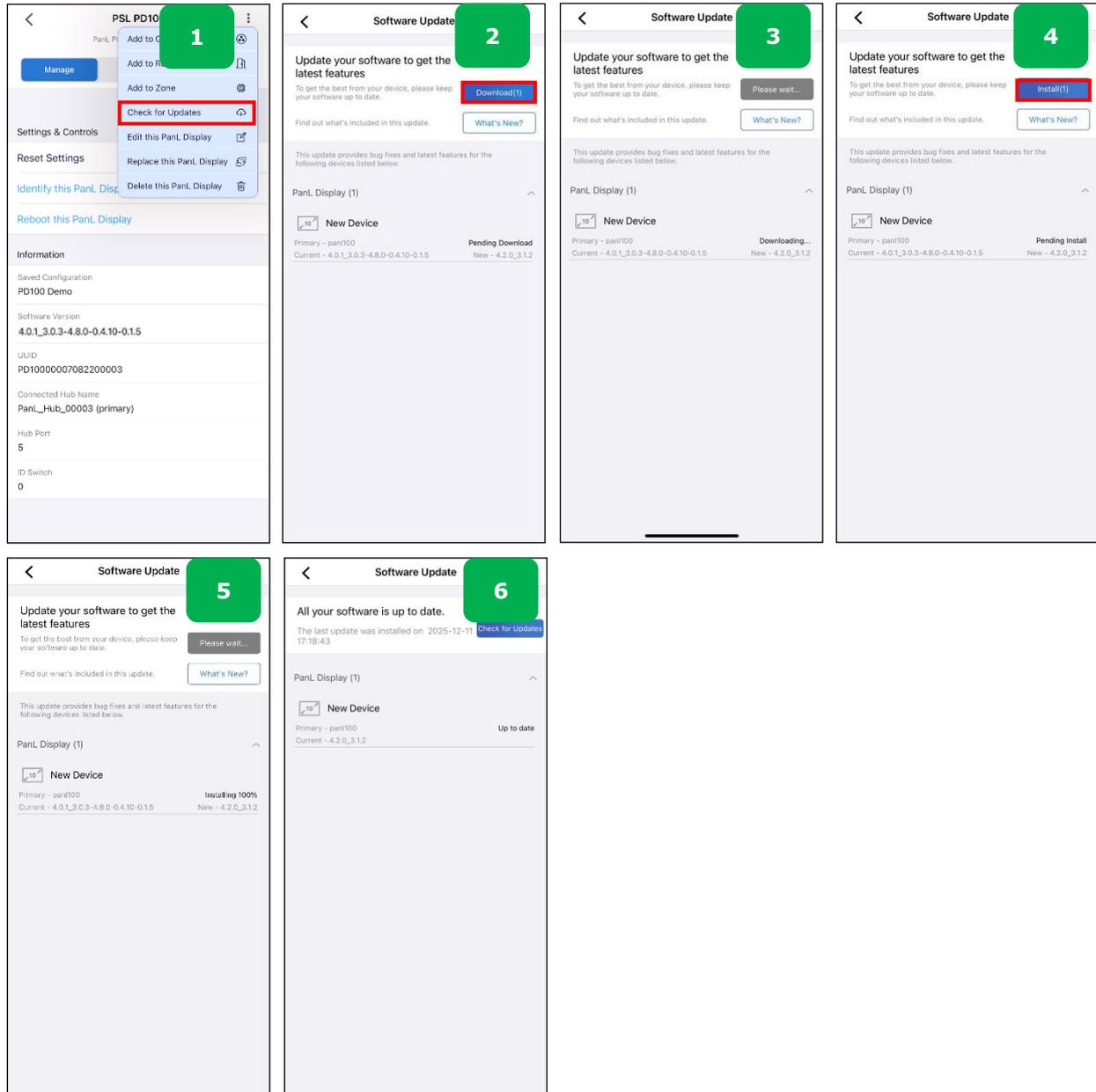
To replace a PanL display -

1. Select **:** to open the additional functions menu. Click on [**Replace this PanL Display**].
2. Follow the on-screen instructions.
3. Select the new display to be replaced with. Click [**Next**] to continue.
4. The PanL Display has been successfully replaced. The user can choose to configure the display immediately by selecting the [**Configure**] button or configure it later. When configuring, the user can either apply an existing configuration or create a new one for the replaced display.



## 6.4 Software Update

Select **☰** -> **Check for Updates** option to update the PanL display software. The user will be able to see the most recent update and install the latest available version.



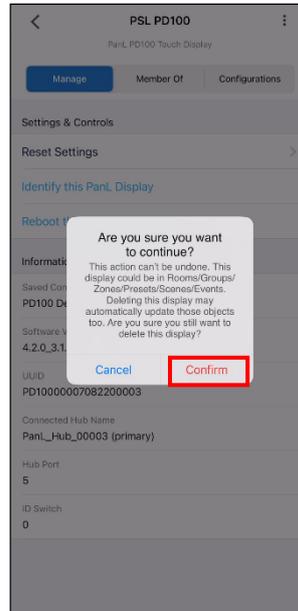
To update the software on a PanL display:

1. Select **☰** to open the additional functions menu. Click on **[Check for Updates]**.
2. Click on **[Download]** to retrieve the latest version.
3. Download in progress.
4. Install the latest version by selecting on **[Install]** button.
5. Install in progress.
6. The latest version has been successfully downloaded. To check for newer versions, tap **[Check for Updates]**.

## 6.5 Delete PanL Display

When required, a primary user of a PanL Network may wish to offboard a PanL Display from PanL Smart Living. This action is significant and should be approached with caution.

Select **:** -> **Delete this PanL Display** option to delete the device. On selecting [**Confirm**], the device will be removed from the PanL network.



**Figure 70 - Delete PanL Display**

To add a new display, refer to **Add Devices – Smart Search (Auto)** in [BRTSYS\\_AN\\_097 PSL User Guide - 4. iOS Mobile App](#) or [BRTSYS\\_AN\\_098 PSL User Guide - 5. Android Mobile](#).

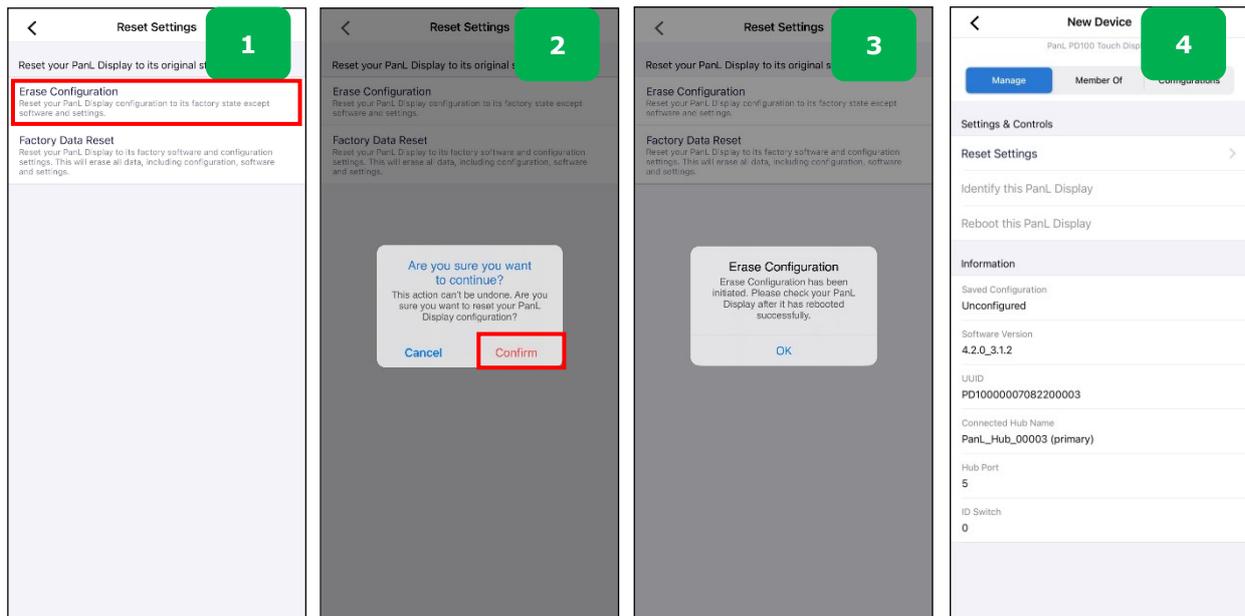
## 6.6 Reset Settings

A reset is required to restore the PanL Display to a stable and reliable state, resolving errors, clearing incorrect settings, or preparing the device for transfer or reuse.

A PanL Display device can be reset using either of the following methods:

### 6.6.1 Erase Configuration

This option restores the PanL Display configuration to its factory default state while retaining the installed software and system settings.

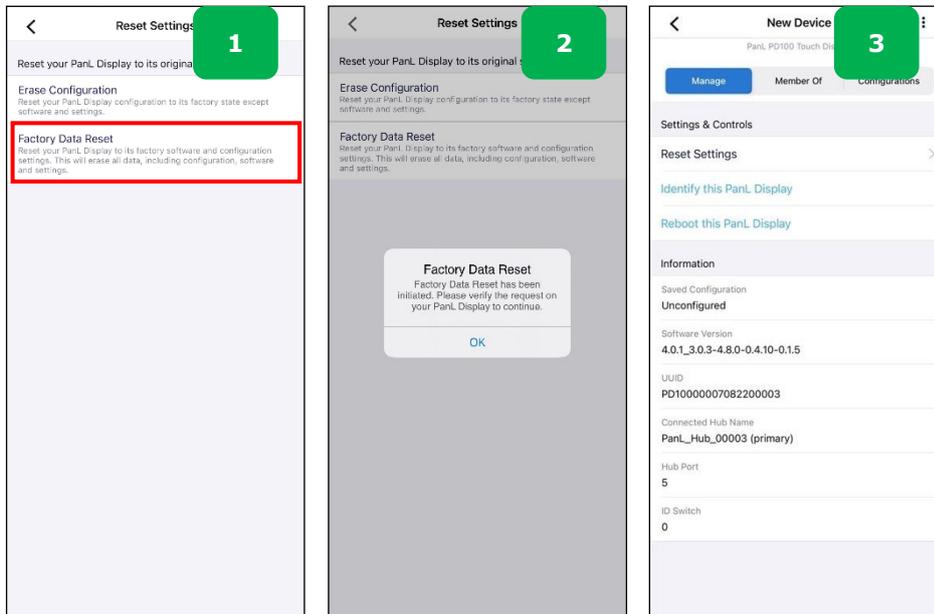


To erase display configuration -

1. Select [**Erase Configuration**] from *Reset Settings* page.
2. Proceed by clicking on [**Confirm**].
3. Successful message will be displayed.
4. Display configuration is successfully removed and *Saved Configuration* will display **Unconfigured**. To create a new configuration for the display device, follow steps listed under [Creating a Configuration](#).

## 6.6.2 Factory Data Reset

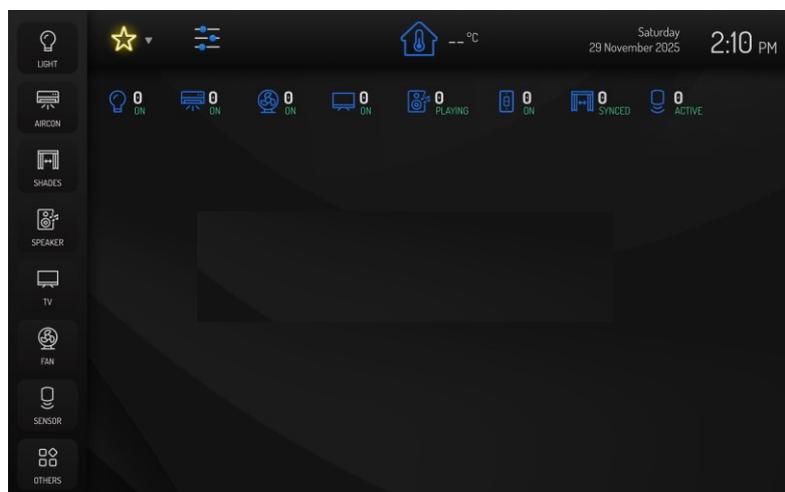
This option restores the PanL Display to its factory software and configuration state.



To initiate a factory reset –

1. Select [**Factory Data Reset**] from *Reset Settings* page.
2. On the display, the user is presented with the following options. Select one to proceed with the reboot process:
  - a. **Reboot Now** – Performs a standard reboot. The configuration is removed, while the software and system settings remain intact.
  - b. **Start Recovery** – Resets the display device to factory defaults, restoring the original software and settings.
3. Successful message will be displayed.
4. The display device has been successfully reset. To create a new configuration for the display device, follow steps listed under [Creating a Configuration](#).

For both operations listed above, the PanL Display reboots and shows the unconfigured screen, as illustrated below.



**Figure 71 - PanL Display – Unconfigured Screen After Reboot**

## 6.7 Identify Device

Use “**Identify this PanL Display**” option to identify a particular physical PanL PD100 Display device among many PD100 devices.

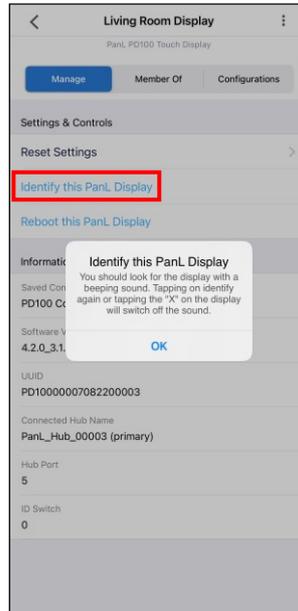


Figure 72 - Identifying a PanL Display – Mobile App

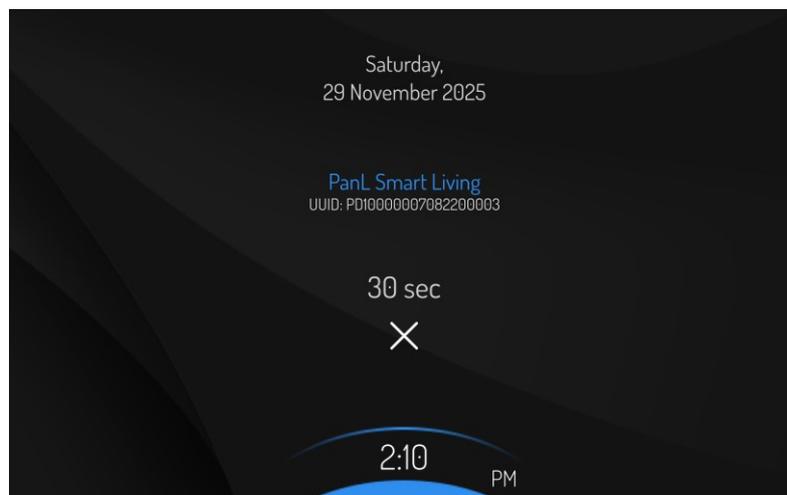


Figure 73 - Identifying a PanL Display – PD100 Display



**NOTE:**

At the PanL PD100 Display end, the correct PanL PD100 Display will identify itself as shown below. It will also beep to notify the user.

## 6.8 Reboot Display

Use the "Reboot this PanL Display" option to restart the PanL PD100 Display device.



Figure 74 - Rebooting a PanL Display



**NOTE:**

At the PanL PD100 Display end, the reboot process will be displayed. The same operation can be initiated from the display side. Refer to [Reboot PanL Display](#) for more information.

## 6.9 Out-of-Sync Configuration Error Message

If the user encounters the following page while using the PanL PD100 Display, it indicates that the synced configuration in PanL PD100 Display is outdated – typically due to devices being removed from the PSL system without updating the configuration to the display.

To resolve the error, user should update and send the new configuration to the display device.

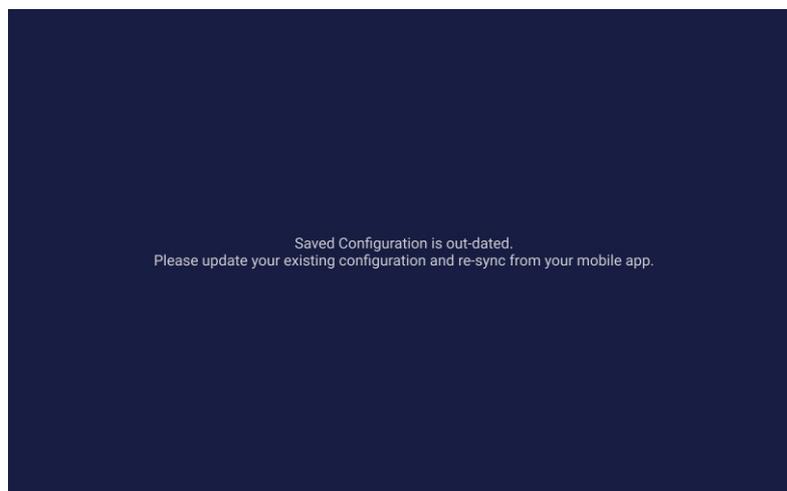


Figure 75 - Configuration Error Message

## 7 Appendix

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### 7.1 Web References

[PanL Smart Living](#)

[Display Panels - BRT Systems Pte Ltd](#)

### 7.2 Acronyms/ Abbreviations

Acronym	Definition
CO <sub>2</sub>	Carbon Dioxide
IAQ	Indoor Air Quality
PSL	PanL Smart Living
RFID	Radio Frequency Identification
ToF	Time of Flight
TVOC	Total Volatile Organic Compounds

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## Revision History

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