

InFocus

JTouch 50 Hardware Guide



Marketing Name	JTouch 50			
Regulatory Models	D110	D111	D112	D113
Part-Numbers	INF6550	INF7550	INF8650	INF9850



UK
CA



EAC



FCC

HDMITM
HIGH DEFINITION MULTIMEDIA INTERFACE

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Safety operation guideline

Safety information

Various symbols are used throughout this users guide and on the product to prevent physical harm to you or other people and damage to property. The symbols and their meanings are explained below.

Read and carefully follow the instructions that are marked with these symbols and labels to avoid injury to persons or damage to property.

	NOTE	A NOTE indicates important information that provides assistance, guidance or information for better use of the product
	CAUTION	A CAUTION indicates potential damage to hardware and informs you how to avoid the problem
	WARNING	A WARNING indicates potential for property damage, personal injury or death

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Safety operation guideline

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Note

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2. The contents of this guide are subject to change without notice.
3. Great care has been taken in the preparation of this guide; however, should you notice any questionable points, errors or omissions, please contact us.
4. Notwithstanding article (3), InFocus will not be responsible for any claims on loss of profit or other matters deemed to result from using the Interactive Touch Display.

Safety operation guideline

Information symbols and descriptions

This safety and operating instructions should be read before using the Interactive Touch Display. After you have read all instructions, save this information for later reference. To prevent personal injury or damage to property, the following symbols are used to show dangerous operation or handling.

Make sure you understand them before setting up and using the Interactive Touch Display. These symbols alert you to actions that must be performed.



Instructions



Disconnect the plug
from the outlet



Do no do



Do not disassemble



Do not touch



Do not wet



Do not use in wet areas



Do not place on
unstable surface

Safety precautions



Unplug the Interactive Touch Display from the outlet and refer all repairs to qualified service personnel under the following conditions:

- If smoke, strange odors or strange noises come from the Interactive Touch Display.
- If liquid such as water, or foreign objects such as metal, insects, paper etc. get inside the Interactive Touch Display.
- If the Interactive Touch Display has been dropped or the housing has been damaged.

Continuing to use under these conditions may result in fire or electric shock.

Do not try to repair this Interactive Touch Display yourself. Refer all repairs to qualified service personnel.

Place the Interactive Touch Display near an outlet where the plug can be easily unplugged.



Safety operation guideline

	
Never open any covers on the Interactive Touch Display except as specifically explained in the Users Guide. Never attempt to disassemble or modify the Interactive Touch Display. Refer all repairs to qualified service personnel. Electrical voltages inside the Interactive Touch Display can cause severe injury.	
If you are wall mounting the Interactive Touch Display, this Interactive Touch Display should be installed by qualified technicians using only approved mounting equipment. If installation work is not carried out correctly, the Interactive Touch Display could fall down. This may result in injury or accidents. Contact your InFocus authorized dealer to carry out the installation work.	
If you use a wall mount do not apply adhesives to the mount to prevent the screws from loosening, or if you use lubricants or oils on the Interactive Touch Display, the Interactive Touch Display housing may crack and the Interactive Touch Display may fall from its wall mount. This could cause serious injury to anyone under the mount and could damage the Interactive Touch Display. When installing or adjusting a wall mount, do not use adhesives to prevent the screws from loosening and do not use oils or lubricants.	
Do not use the Interactive Touch Display where it may be exposed to rain, water, or excessive humidity.	
Use the type of power source indicated on the Interactive Touch Display. Use of a different power source may result in fire or electric shock. If you are not sure of the power available, consult your dealer or power company.	
Check the specifications of the power cable. Using an inappropriate power cable could result in fire or electric shock. The power cable supplied with the Interactive Touch Display is intended to comply with power supply requirements for the country of purchase. If you use the Interactive Touch Display in the country where it was purchased, only use the power cable that came with the Interactive Touch Display. If you use the Interactive Touch Display in a country other than where it was purchased, use the correct power cable for that country.	

Safety operation guideline

	
Take the following precautions when handling the plug. Failure to comply with these precautions could result in fire or electric shock. • Do not overload wall outlets, extension cables, or power strips. • Do not insert the plug into a dusty outlet. • Insert the plug firmly into the outlet. • Do not hold the plug with wet hands. • Do not pull the power cable when disconnecting the plug; always be sure to hold the plug when disconnecting it.	
Cables should be wired so that they cannot trip people up and so on. This could cause people to fall and be injured.	
Do not touch the plug during an electrical storm. Otherwise, you may receive an electric shock.	
Do not place any containers of liquid on top of the unit. Spilling liquid of any kind into the Interactive Touch Display may result in fire or electric shock.	
Do not insert or drop metal, flammable, or foreign objects into the Interactive Touch Display's vents or openings nor leave them nearby. Doing so may result in fire, electric shock, or burns.	
Do not leave the Interactive Touch Display or the remote control with batteries inside a vehicle with the windows closed, in places where they will be exposed to direct sunlight, or in other places that may become extremely hot. Thermal deformation or technical malfunction may occur, which could result in fire.	

Safety operation guideline

	
Wall Mount Precautions for Installation - For installation of the wall-mount bracket, at least two professional workers are required; you should not attempt to install it, otherwise injury may result. - During installation, assistance from professional workers is needed to designate the installation also, measures should be taken to make sure it can bear certain amount of external force. Make sure the bracket is installed onto a firm wall rather than plaster board or other surface which cannot provide strong support. - This product should be installed on a vertical plane, not on an oblique plane; also, it should not be installed with the front facing upwards; otherwise fall off of the product or personal injury may be caused. - To avoid damage of the product or injury, keep the bracket out of the reach of children. - Tighten the screws during installation to avoid product damage and injury. - The installation is shown in the figure below; ventilation space should be kept around the product.	
Do not use the Interactive Touch Display in places where flammable gases or explosive gases may be present in the atmosphere. Because the inside of the Interactive Touch Display becomes very hot during use, the gases may ignite and result in a fire.	
When it is moved from a low-temperature environment to a warm area, condensate may form inside it. In such case, the product should be placed still for at least 24 hours prior to restart to air-dry the condensate.	
Handle the Interactive Touch Display with at least two people to avoid impact and pay special attention to the display screen during the transfer.	
Do not install the Interactive Touch Display in a location that is not strong enough to bear its weight, or on an unstable surface such as a table that shakes or is tilted. The Interactive Touch Display may fall down or tip over causing damage, deformation, or injury.	
Do not use the Interactive Touch Display in places where there is a lot of humidity or dust, near cooking or heating appliances, or in places where it may come into contact with smoke or steam. Do not use or store this Interactive Touch Display outdoors for an extended length of time. Fire or electric shock may result.	

Safety operation guideline

	
Do not block the slots and opening in the Interactive Touch Display case. They provide ventilation and prevent the Interactive Touch Display from overheating. Do not place the Interactive Touch Display in the following locations. • Badly ventilated or narrow places, such as inside a closet or in a book case. • On soft surfaces such as a rug, bedding, blanket, and so on. • Do not cover the Interactive Touch Display with a blanket, curtain, or tablecloth. • Badly ventilated locations such as inside an AV rack or cabinet. • Locations subject to high temperatures, such as near heating equipment. • Do not install the Interactive Touch Display in an airtight location. • If the Interactive Touch Display needs to be installed in an airtight location, it is vital to ensure that air conditioning and ventilation equipment are also installed. If the location is not sufficiently ventilated, heat exhausted from the Interactive Touch Display will accumulate and could trigger the Interactive Touch Display's built-in protection sensors causing the Interactive Touch Display to shut down.	
Do not place the source of an open flame, such as a lit candle, on or near the Interactive Touch Display.	
Unplug the Interactive Touch Display when it will not be used for extended periods. The insulation may deteriorate, which may result in fire.	
Be sure to check that the power is turned off, the plug is disconnected from the outlet and all cables are disconnected before moving the Interactive Touch Display. Fire or electric shock may result.	
Unplug the Interactive Touch Display from the outlet before cleaning. This avoids electric shock during cleaning.	
Condensate may appear inside the screen in high humidity, and this is a normal phenomenon as generally temperature difference between the external and internal glass surfaces may lead to water droplets on the internal glass surface. Such water droplets will disappear automatically after 24 hours of normal use.	
Do not allow a still picture or an active picture containing stationary text or icon to remain on the screen of the Interactive Touch Display for too long because this will leave a "ghost image" on the screen, and it will not disappear long after shutdown.	

Safety operation guideline

Safety symbols and descriptions

The following table lists the meaning of the safety symbols labelled on the Interactive Touch Display, remote control, power cord and cables.

No.	Symbol Mark	Standard / Description
1		IEC 60417 - Symbol No: 5009. Stand-by - to identify the button to place the device in to Stand-by condition.
2		IEC 60417 - Symbol No: 5002, Positioning of Cell and identification of battery holder.
3		IEC 60417 - Symbol No. 5017, Earth. To identify an earth (ground) terminal in cases where neither the symbol 5019 is explicitly required.
4		IEC 60417 - Symbol No. 5019, Protected Earth. To identify any terminal which is intended for connection to an external conductor for protection against electric shock in case of a fault, or the terminal of a protective earth (ground) electrode.
5		ISO 7000 - Symbol 0434B IEC 3864-B3.1, Caution. To identify general caution when using the product.
6		IEC 60417, Caution Hot Surface. To indicate that the marked item can be hot and should not be touched without taking care.
7		IEC 60417 Symbol No. 6042 ISO 3864-B3.1, Caution Risk of Electric Shock. To identify equipment that has risk of electric shock.

Using this document

Using the set-up & specification document to search for information

This user's guide allows you to search for information by keyword or to jump to specific sections using the bookmarks. You can also print specific pages as needed.

This section explains how to use a PDF document that has been opened in Adobe Acrobat Reader DC on your computer running Windows or Mac OS operating system.

Searching by keyword

Click Edit > Advanced Search. Enter the keyword text for the information you want to find in the search window, then click search. Hits are displayed as a list, select and click one of the displayed hits to jump to that page.

Jumping directly from bookmarks

Click a title to jump to that page. Click + or > to view the lower-level titles in the section. To return to the previous page or section:

Windows: Hold down <Alt> and then press.

Mac OS: Hold down the <command> key and then press

Printing only the page or pages you need

You can extract and print only the pages you need.

Click Print in the File menu and then specify the page or pages you wish to print.

Windows & Mac OS: Specify the page or pages you wish to print in Pages in Pages to Print.

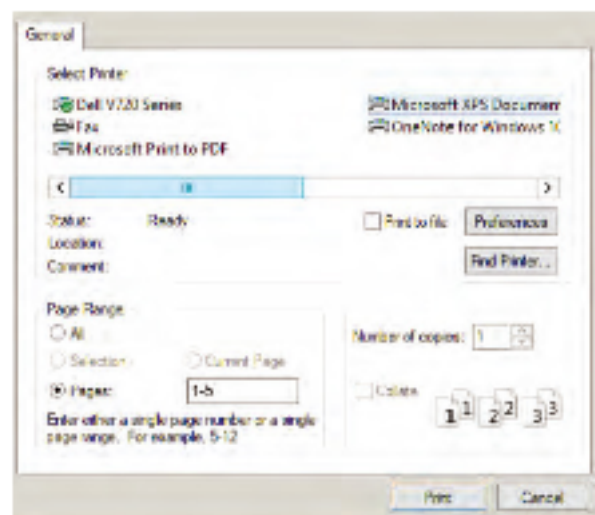
To specify a series of pages, enter a hyphen between the start page and the end page.

To specify pages that are not in a series, enter a comma after each page number.

Getting the latest version of documents

You can get the latest version of this user's guide as

well as other product information and literature by visiting the InFocus website. Visit infocus.com and enter your Interactive Touch Display model number in the search box.



Product Features

This product uses an HD LED-backlit panel, IR and multi-touch technologies. Equipped with writing software, it is convenient, highly interactive, safe and environmentally friendly.

Interconnectivity

This product can connect to other devices. It allows wireless connection with PCs, tablets and mobile phones, realising wireless transmission of documents, the wireless push of videos and wireless screencast.

Extraordinary Display

This product uses a high-quality HD LCD panel featuring original display colour, vivid pictures, uniform display, no flickering, and quick response. You can enjoy HD pictures from different angles.

Accurate Touch Control

This product incorporates advanced touch technology featuring quick response, high positioning accuracy, strong environmental adaptability, accurate operation, etc. No stylus is needed; you can operate with your hand by clicking, dragging and other actions.

Highly Interactive

This product is preinstalled with professional writing software. It provides multiple types of pens, drawing tools and other functions, and you can write and move the contents as you like.

Accessories Included in the box



Touch Gestures

The following images detail the touch gestures used on this display



Single Left



Single Right



Spread



Pinch



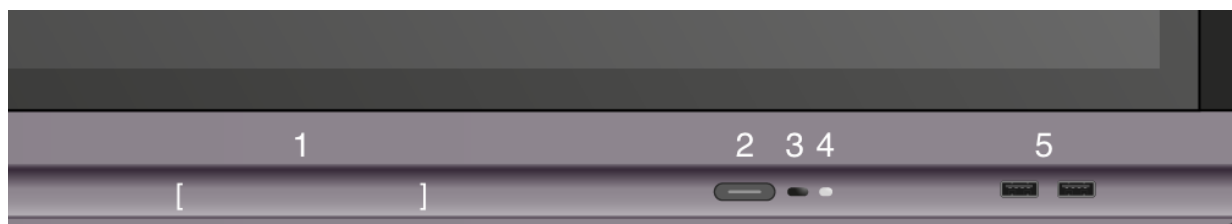
Swipe Up



Swipe Down

Panel Connectivity

Front panel connections



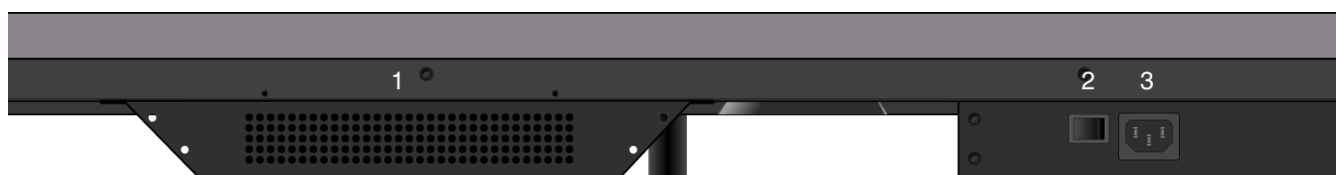
No.	Description
1	Magnetic zone: Area for placing the stylus
2	Power On/Off: Press to power on display. When display is on, press to power off or press and hold for 2 seconds to enter standby mode
3	Remote control signal receiver (max range of 8 meters)
4	Ambient light sensor
5	USB-A 3.0 ports

Bottom panel connections



No.	Type	Description
1	Speaker	Audio output
2	Audio Out 3.5mm	3.5mm cable connection for output of audio to external speakers
3	RS232	Remote connection for control devices and switches
4	RJ45	Network connection for control devices or internet
5	Audio In 3.5mm	3.5mm cable connection for input of audio from external devices
6	VGA In	Analog video input
7	USB-A 2.0	USB data connection (used mainly for service)
8	SPDIF	Digital Audio

Panel Connectivity



No.	Description
1	Speaker
2	Main Power On/Off
3	Power cable socket

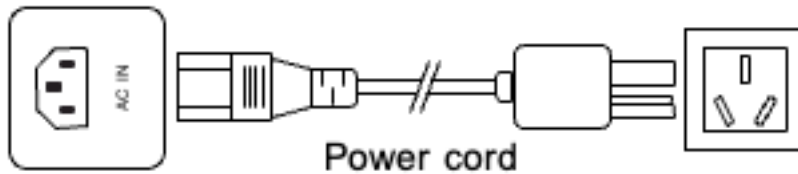
Side panel connections

No.	Type	Function Description
1	OPS Bay	Connect to the devices with HDMI input function.
2	HDMI OUT	High-definition multimedia interface signal ioutput connect to devices with HDMI input.
3	USB 3.0	USB 3.0 connect USB devices such as mobile hard disk, USB keyboard and mouse, USB drives, etc.
4	TOUCH USB	Touch signal output to the external computer
5	HDMI In 1 HDMI In 2 (ARC) HDMI In 3	High-definition multimedia interface signal input, connect to devices with HDMI output interface (personal computer with HDMI output, set-top box, or another video device).
6	TOUCH USB	Touch signal output to the external computer
7	USB-C 3.1	USB Type-C, support charging,reverse touch control, data transmission, extension for audio and video output interface, etc. (Please charge those external devices with same or less rated charging power with the port. Do not attempt to charge laptops that require higher charging power than the rated power of the USB Type-C port.)



Port Connection

Power Port

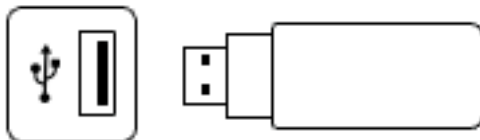


Note

The port connections instructions are provided below. The listed port types are for reference only, and do not cover all ports on this product.

Signal input ports

USB port



Note

The output current of USB2.0 port is 500mA and that of USB3.0 port is 900mA. In order to ensure normal operation, please do not simultaneously use all USB ports to charge external devices.

Media USB port is used to connect external devices to the Android system of the product which enables data reading via the file manager of this product. PC USB port is used to connect OPS equipment. PUBLIC-USB port serves as both Media USB port and PC USB port, and is automatically switchable with the signal source.

This product is connected with wireless keyboard and mouse. In case of stuck operation or slow response, change the wireless receiver to another USB port, or use the USB extension cable to connect the wireless receiver, thus to enlarge the reception range.

Some nonstandard USB devices may be unrecognisable, please use standard USB devices.

USB-C port



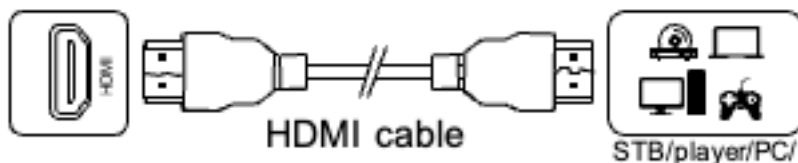
Note

USB-C maximum power output is 65 watts.

When a suitable USB-C cable is connected to an external device such as laptop, the connection will provide power video signal, touch control and data transfer through the same cable.

Port Connection

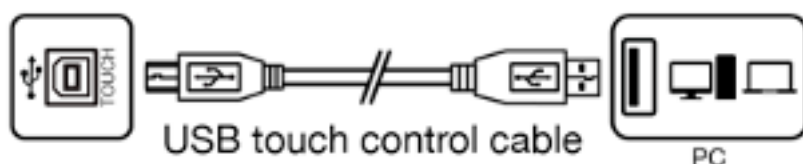
HDMI IN port



Note

The maximum resolution supported by HDMI port is 4K@60HZ, please see the section of technical parameters for the detailed signal formats. When 4K@60HZ signals are played, the EDID version in the OSO menu should be switched to EDID2.0.

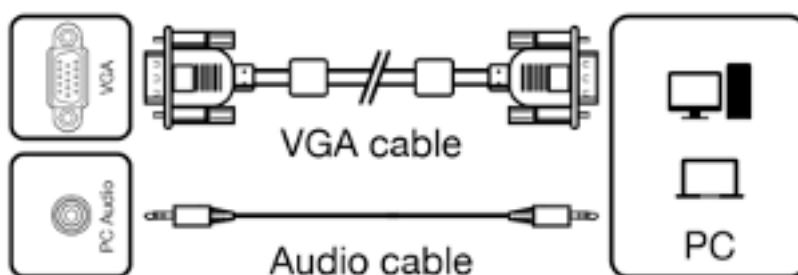
TOUCH USB port



Note

When the TOUCH USB port is connected to the same device with the signal source, the external device can be operated by the TOUCH function.

VGA audio/video port



Note

For signal formats supported by the VGA port, see the Technical Parameters.

Port Connection

Signal output ports

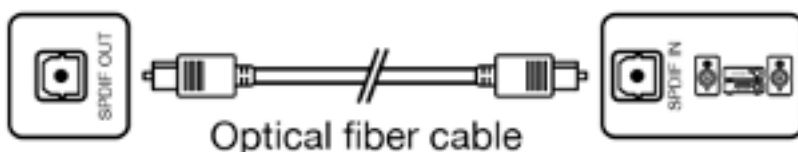
HDMI OUT port



Note

The HDMI-OUT port can output Audio & Video signals to the HDMI-IN port of the second product, the second product can replay the Audio & Video signals to the third product. The maximum relaying amount depends on quality and length of the HDMI cable

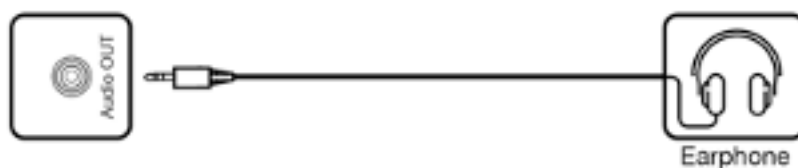
OPTICAL FIBER port



Note

This port can output audio signals of this product to speakers with a SPDIF- IN port

AUDIO OUT port

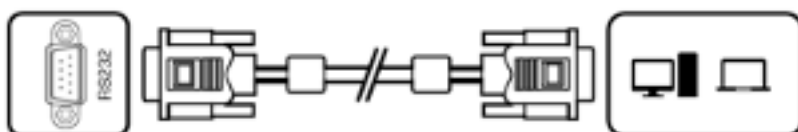


Note

AUDIO-OUT port can be connected with a headset or an external speaker.

Control ports

RS232 port



Note

RS232-IN port is connected to the PC; the product is operated via the PC.

Remote Control



Caution

Precautions for Use of Remote Control

- Aim the remote control at the remote receiver when using the remote control. Any object placed between the remote control and the remote receiver may disturb the operation.
- Protect the remote control from vibration. Do not expose the remote control to direct sunlight as heat may deform it.
- When the remote receiver is subject to direct sunlight or strange light, the remote control may malfunction. In such case, please change the angle of lighting or the product, or operate the remote control close to the remote receiver.
- Replace the batteries in case of low battery as it will reduce the range of the remote control. If the remote control is to be left unused for a long period of time or the batteries are depleted, please remove the batteries as battery leakage may damage the remote control.
- Do not use batteries of different types or mix a new battery with a used one. Always replace batteries in pair.

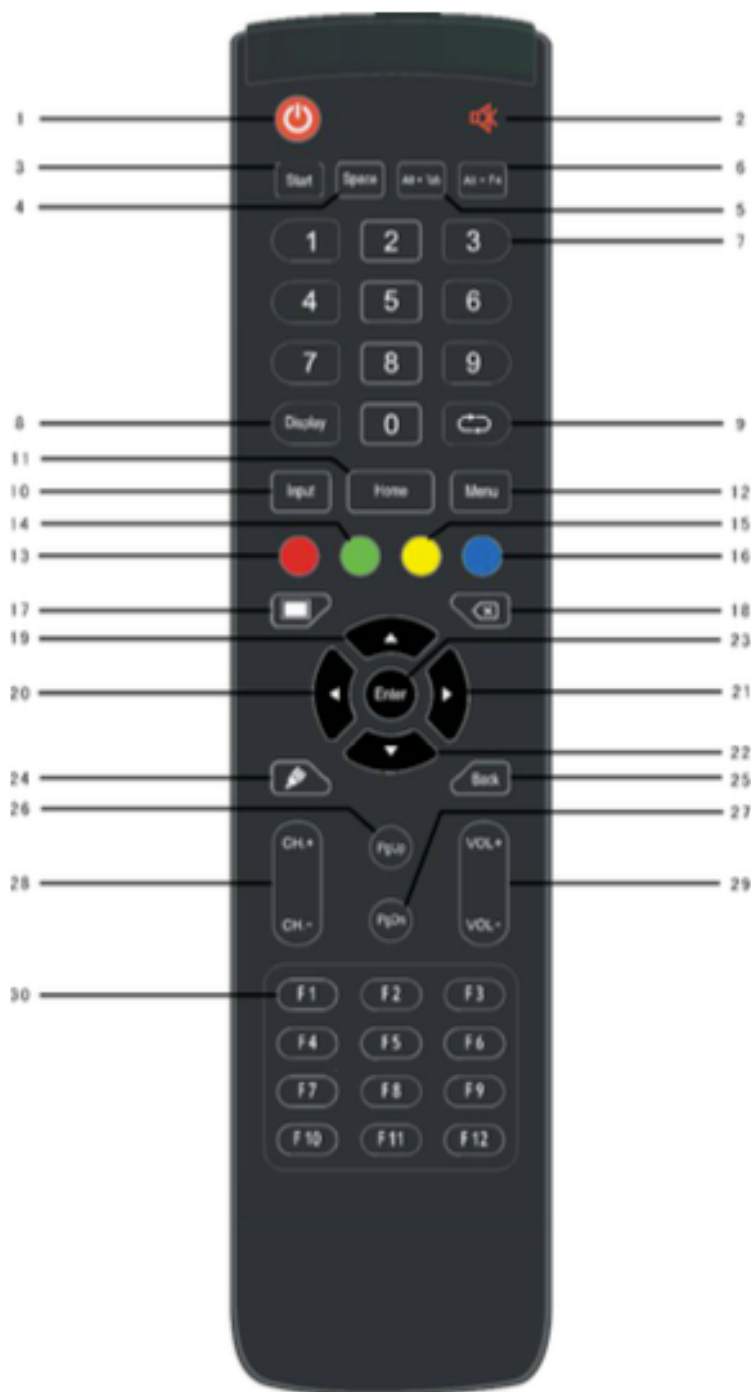


WARNING

Do not throw batteries into a fire or recharge or disassemble batteries. Do not recharge, short-circuit, disassemble/assemble, heat or burn any used batteries. Please dispose of waste batteries according to applicable environmental regulations. Do not expose batteries to any hot environment, like direct sunlight, over the fire.

Remote Control

	Button	Function
1		Power on/off
2		Enter or exit mute mode
3	Start	PC's Windows key
4	Space	PC's Space key
5	Alt+Tab	PC's Alt+Tab key
6	Alt+F4	PC's Alt+F4 key
7	Numeric Keys	Numeric input keys
8	Display	Display channel information
9		/
10	Input	Pop up TouchMenu-General Setting
11	Home	Return to android system main screen key
12	Menu	Pop up TouchMenu-Audio
13	Red	Enable or disable Front keyboard and Touch
14	Green	Enable or disable Front keyboard
15	Yellow	Enable or disable Touch
16	Blue	Pop out or close the screen freezing tools
17		Turn off or turn on the screen backlight
18		PC's Backspace key
19		Press to scroll up
20		Press to scroll left
21		Press to scroll right
22		Press to scroll down
23	Enter	Confirmation key, press it to confirm
24		Quickly start writing software
25	back	Return to the last operating interface
26	PgUp	Page Up
27	PgDn	Page Down
28	CH+ / CH-	/
29	VOL+ / VOL-	Increase/reduce the volume
30	F1-F12	PC's F1 - F12 function keys



Basic settings

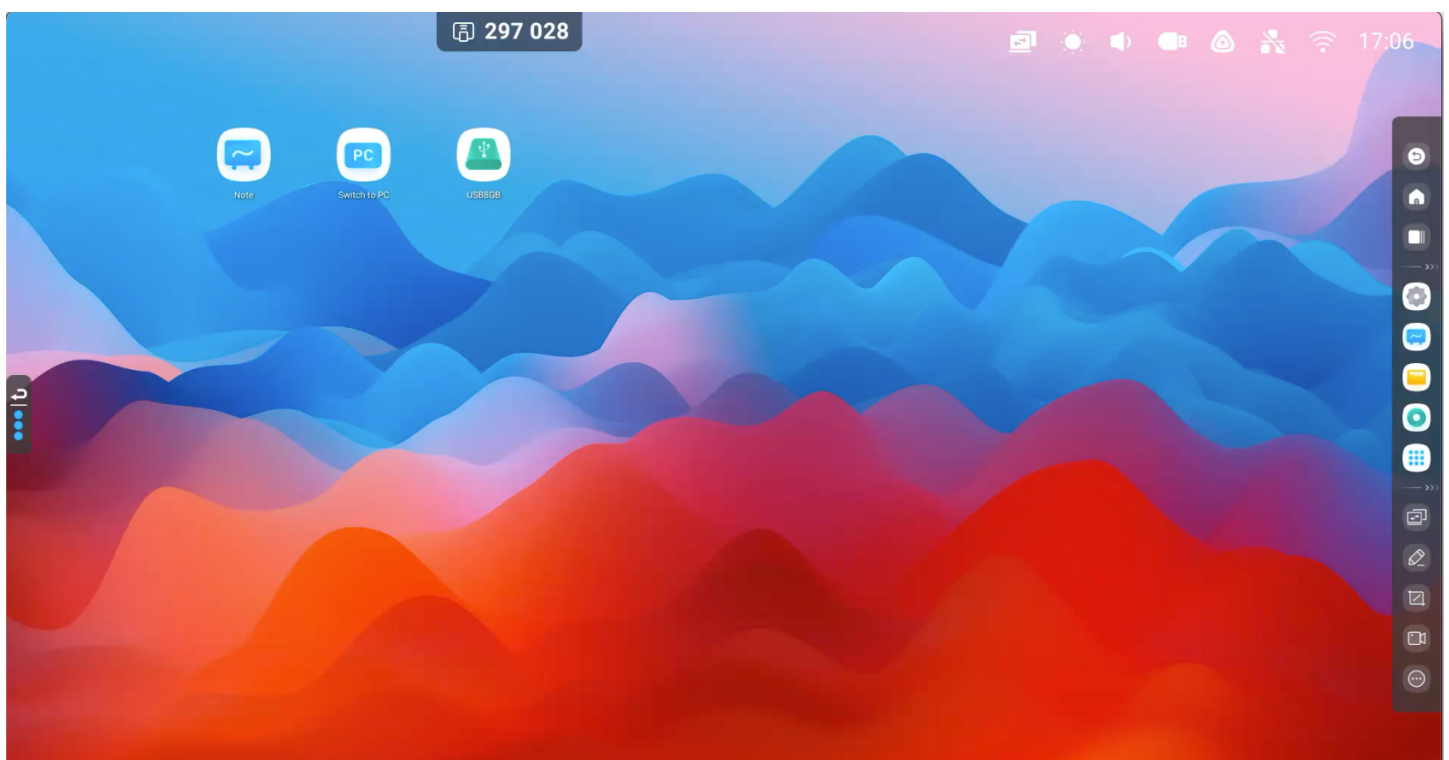
Startup/shutdown

Use 100-240V AC as the power supply. and supplied power cable to connect to the power source.

The power button on the panel and the remote control can be used to switch between power-on and standby states. The main power switch on the rear panel has options, Press the “O” to power off the product; press the “I” end to power it on.

Sidebar

Press the sidebar button on either edge of the screen to open the menu. The sidebar gives access to the system settings, applications menu, browser, whiteboard and other applications and tools.



Display Shortcuts

The display has shortcuts for various menu options. These are located on the upper right-hand side of the display. These shortcuts can't be modified or removed.



fig.1

Basic settings

PC Module On/Off

If the product is installed with the optional PC module and it is in the “PC” signal source, the PC module will start automatically. If not, start it manually by pressing the power button on the PC Module.

The power key on the panel or remote control can be used to turn off the display, the display will request confirmation to proceed.

Do not directly disconnect the power supply from the display without turning off the PC module as it can damage the PC module.



Note

The PC Module is an optional purchase

Signal Source Switching

You can use the remote control or touch function to switch the source by the following methods:

Method one:

- Press the icon in the upper right side of the screen that looks like a laptop screen with arrows (fig.1)
- Select the signal source and then the product will switch to the input signal source you selected.

Method two:

- Press the "Input" key on the remote controller to open the "Input mode menu"
- Press the cursor keys on the remote control to select a signal source
- Press the "OK" key, and then the product will switch to the input signal source that you selected.

Method three:

- Swipe up from the bottom of the screen to open the "input" menu. (fig.2)
- Select the signal source and then the product will switch to the input signal source you selected.

Basic settings

Volume Adjustment

The volume on the display can be adjusted using either of the following methods

- Use the remote control buttons to increase, or decrease the volume
- Open the “input” menu by swiping upwards from the bottom of the screen and using the volume slider on the lower right-hand side of the window (fig.2)
- Press the shortcut volume icon in the upper right of the screen and use the slider to adjust

Brightness Adjustment

The brightness on the display can be adjusted using either of the following methods

- Open the “input” menu by swiping upwards from the bottom of the screen and using the volume slider on the lower left-hand side of the window (fig.1)
- Press the shortcut volume icon in the upper right of the screen and use the slider to adjust

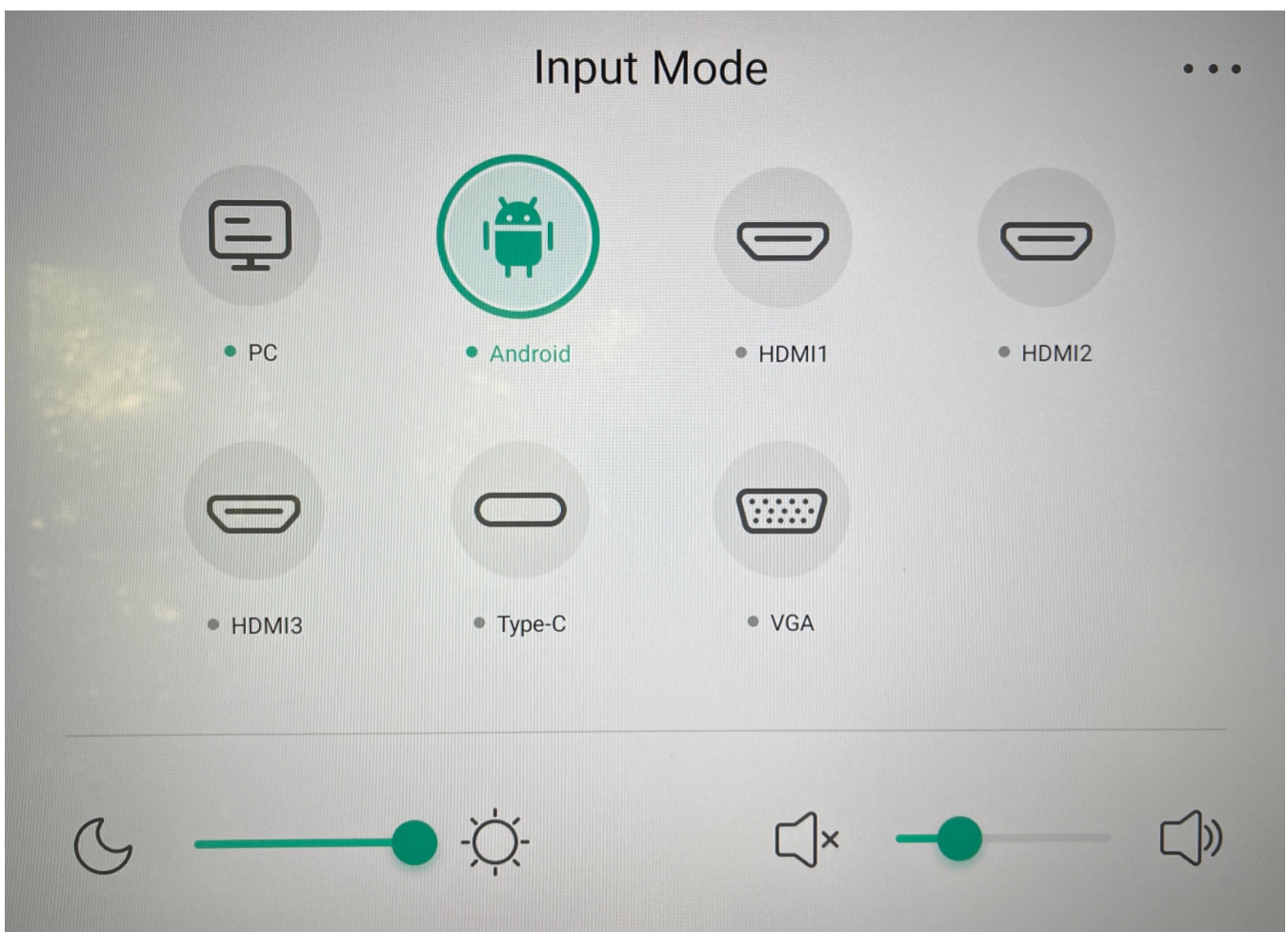


fig.2

Basic settings

Audio Adjustment

More specific audio adjustments are available using the advanced settings and can be adjusted for all source inputs



- Open the “input” menu by swiping upwards from the bottom of the screen.
- In the upper right corner of the window, press the icon with 3 dots or swipe from right to left on the window to scroll to the next page
- There are three pre-defined settings for the audio which have default settings. These can be selected at the bottom by pressing “Standard”, “Meeting” or “Class”. It will adjust the Bass, Treble and Balance automatically.
- If a custom option is required press the “custom” and then scroll the icons in a circular motion to adjust the various settings.
- A mute option is also available in this advanced screen

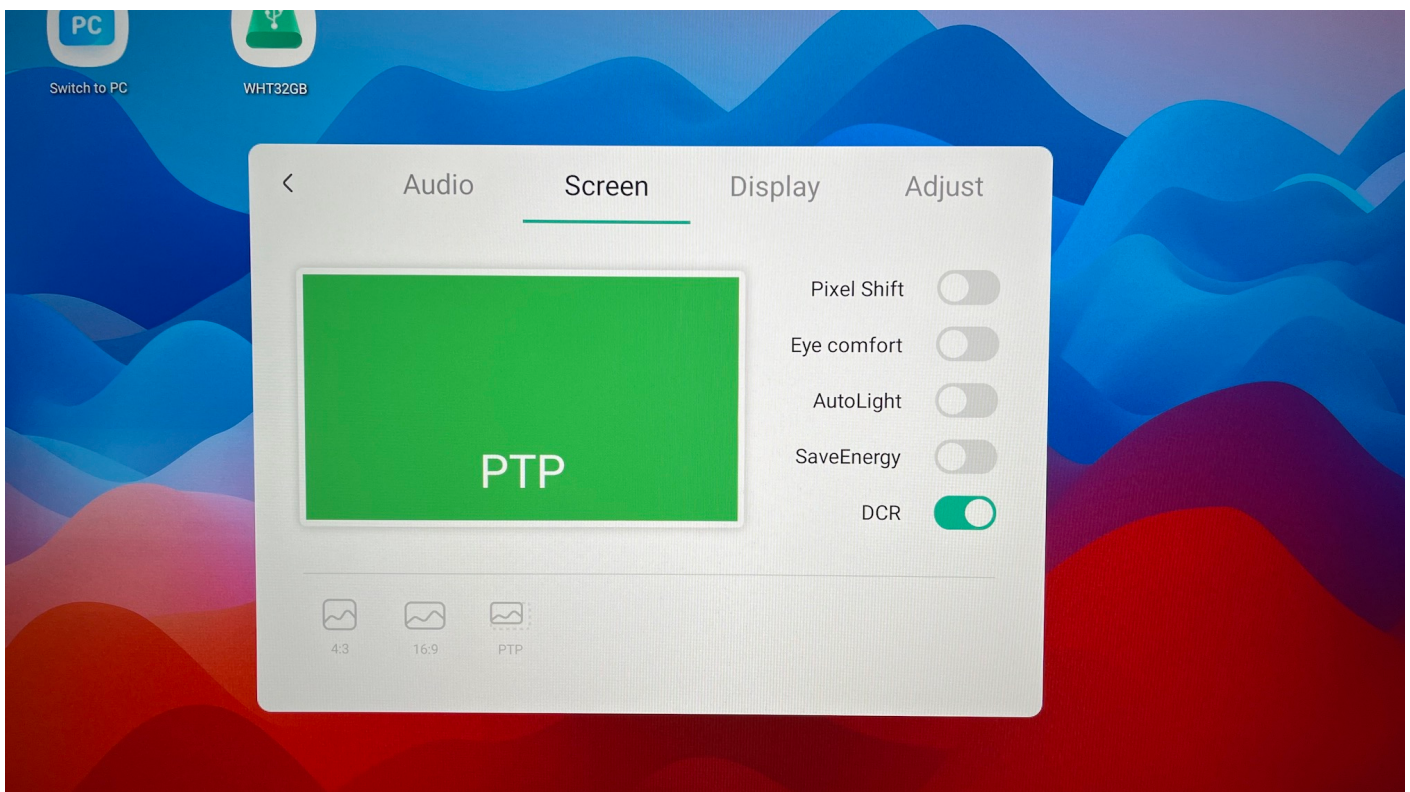
Basic settings

Screen Adjustment

The display provides advanced settings for energy savings, brightness adjustment, dynamic contrast and eye comfort. These settings are designed to reduce energy consumption and provide a greater user experience.

Each option can be manually switched on/off using the toggle switches on the right side of the image.

- Pixel shift is a function when the display is mostly used to display static content. This will adjust the pixels periodically to keep the system running smoothly.
- Eye Comfort will reduce the blue light from the screen
- AutoLight will use the light sensor on the front of the display to automatically adjust the brightness of the screen when the ambient light changes.
- SaveEnergy will use the light sensor and automatically save energy by switching to a black screen when necessary according to the external light situation.
 - If the ambient light of the whole machine is lower than 10 for 60 seconds continuously, no matter what the situation, it will change the screen to a black screen and save energy
 - When there is no signal channel, it will enter a black screen to save energy after sixty seconds, and then shut down after another two minutes (this is regardless of how the ambient light changes at this time).
- DCR adjust the contrast dynamically based on the content displayed on the screen



Basic settings

Display Adjustment



fig.3

Note: Adjustments are only possible when not in the Android Source mode. Android has default settings that are not adjustable.

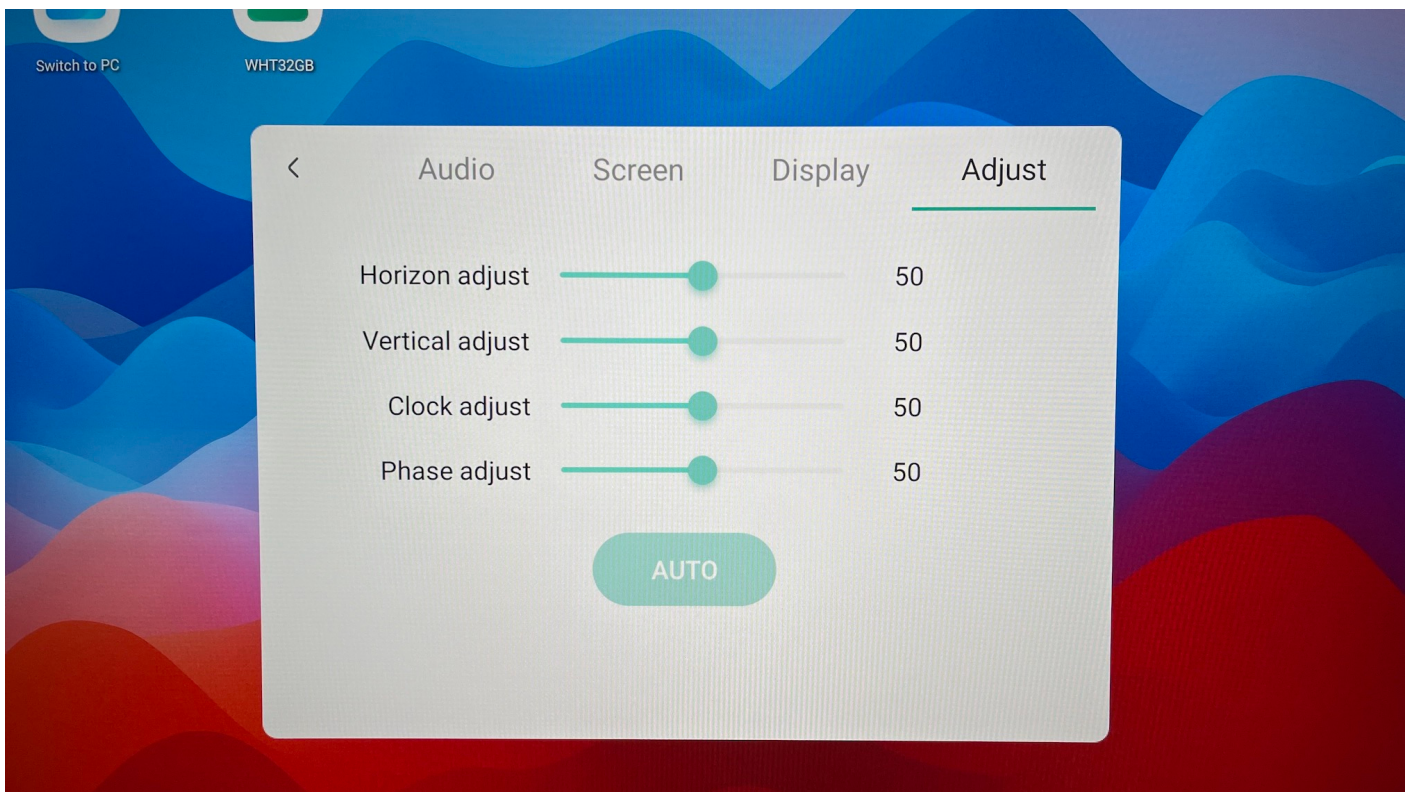
- Open the “input” menu by swiping upwards from the bottom of the screen
- In the upper right corner of the window, press the icon with 3 dots and then select “Display” from the headings or swipe from right to left on the window to scroll to the “Display” page
- There are three pre-defined settings for the display image which have default settings. These can be selected at the bottom by pressing “Standard”, “Bright” or “Soft”. It will adjust the Brightness, Contrast, Hue and Sharpness automatically.
- If a custom option is required press the “custom” and then scroll the icons in a circular motion to adjust the various settings.
- The colour gamut can also be set to one of the three options. Standard, Cold or Warm

Basic settings

Image adjustment

The advanced image adjustment allows for specific picture adjustment when source inputs are not showing correctly.

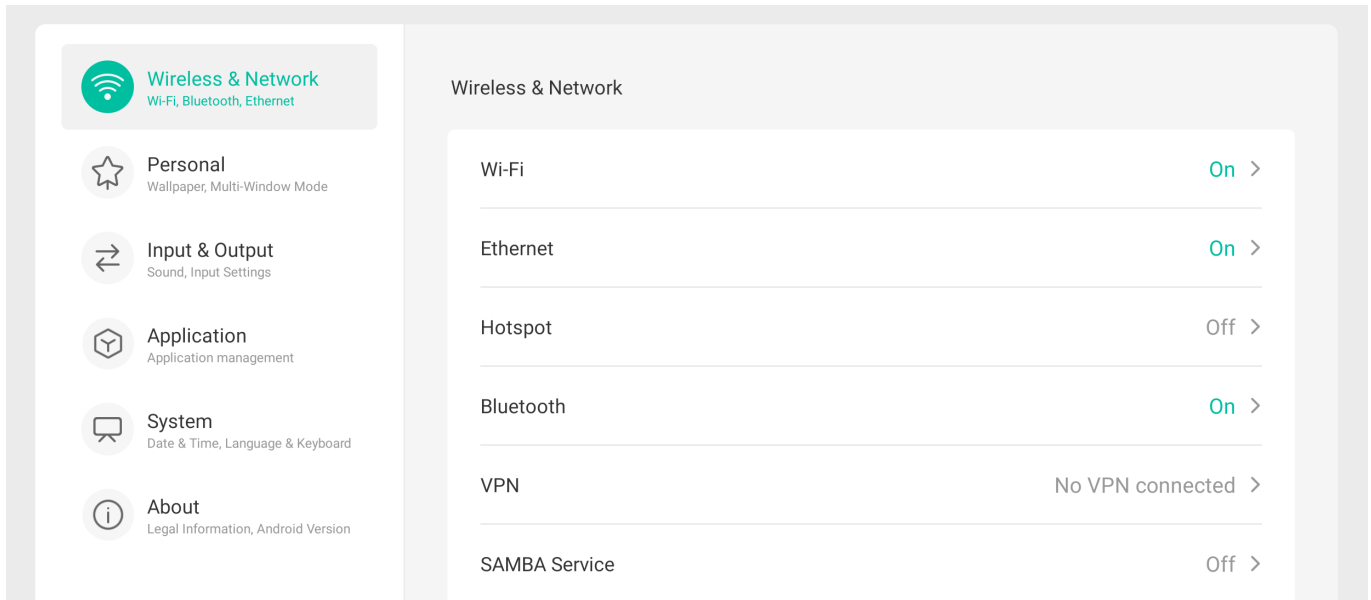
Use the slider bars to adjust each setting and make fine adjustments to the image where required. The AUTO settings are available when not using the “Android OS” input source.



Advanced settings

All advanced settings are found in the “settings” application which is opened from the sidebar menu. Some of the settings may be opened using the shortcut icons as previously shown in “basic settings > display shortcuts.

Wireless and Network



The display can be connected to a wireless and wired network.

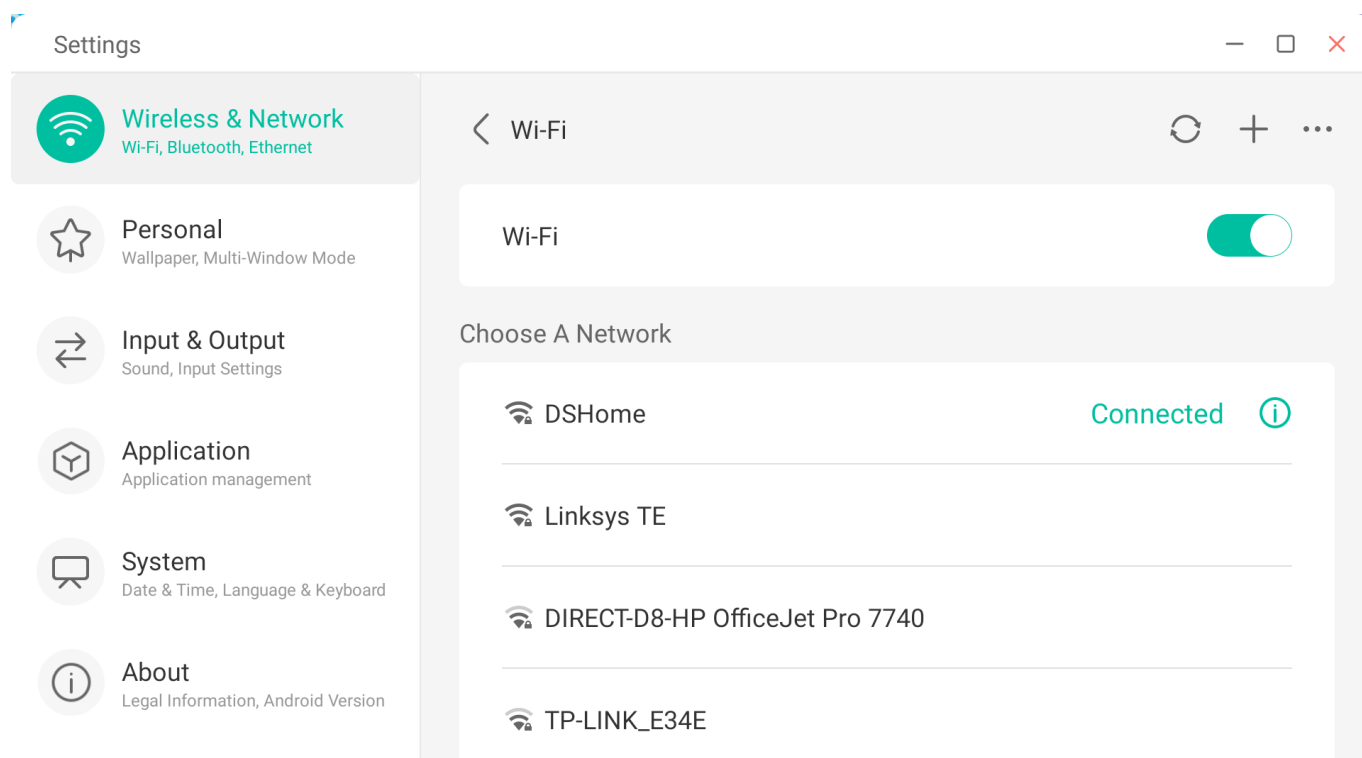
WiFi

- Enable the connection by selecting the WiFi option to open the sub-menu.
- Change the toggle switch on the right-hand side to switch on the connection. It will change to a green colour. (wifi fig 1)
- Once the connection is on, the network device will search for local WiFi networks and these will appear below.
- Select the network of choice to open the password and Advanced details window.
- Enter the WiFi network password. (wifi fig 2)
- If any additional security settings are required, select the “advanced Settings” option and scroll down on the page to display the Proxy and IP Settings options.
- The proxy details can be entered and would be provided by your IT administrator if required.
- If the display is to be assigned a “fixed” IP address, change the option from DHCP and complete the additional settings. These will be provided by your IT administrator.
- Once all settings are complete, press “Connect”

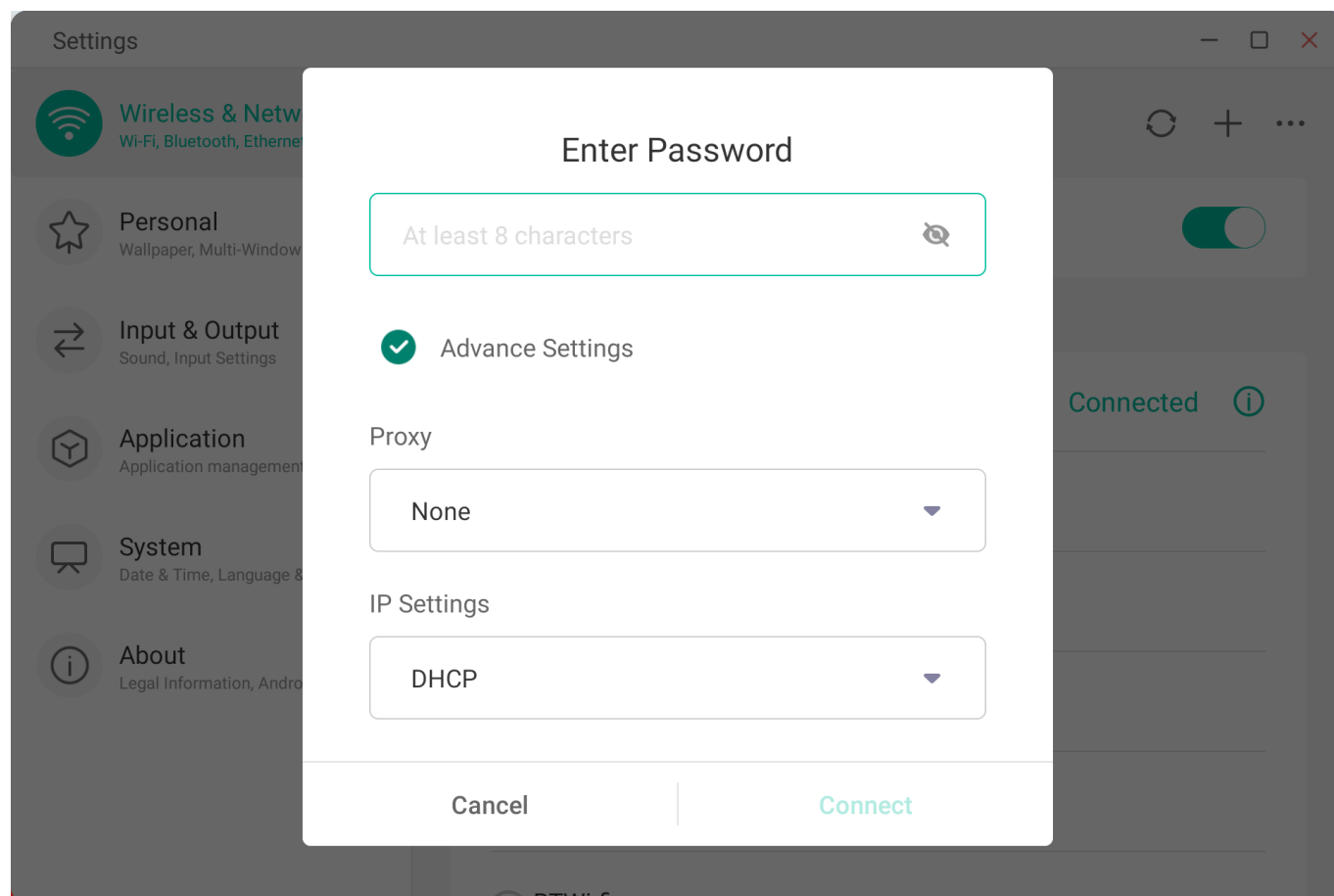
The WiFi will connect to the network and show as connected on the main WiFi page

The WiFi can be switched to another network by following the above steps and can be switched off by changing the toggle switch.

Advanced settings



wifi fig 1



wifi fig 2

Advanced settings

Ethernet

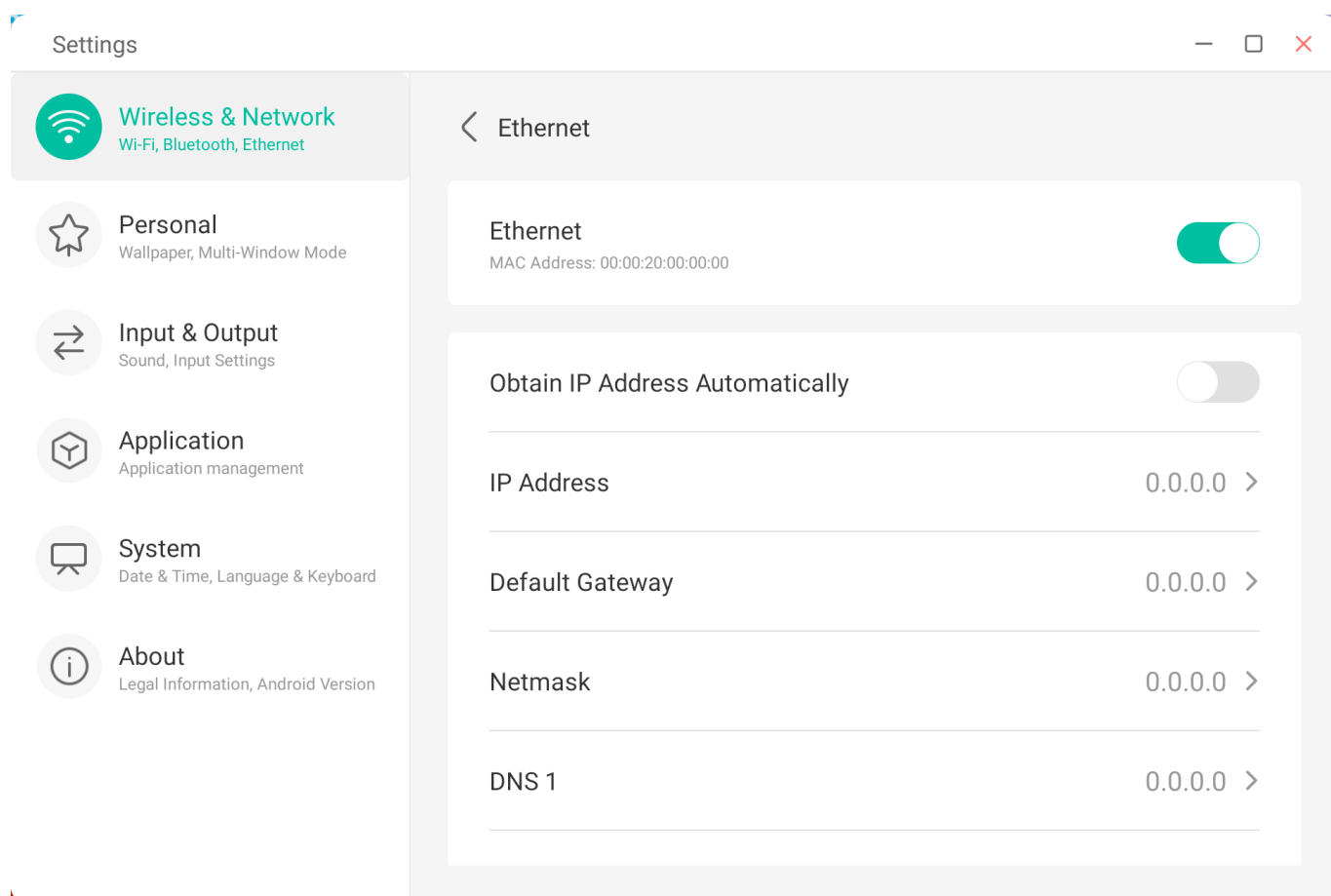


Note

This is only available when when a LAN cable(RJ45) is connected to the display

- Enable the connection by selecting the Ethernet option to open the sub-menu.
- Change the toggle switch on the right-hand side to switch on the connection. It will change to a green colour. (ethernet fig 1)
- The display will automatically search for a network and provide an IP address to the display.

If the display is to be assigned a “fixed” IP address, disable the option for “Obtaining IP Address Automatically” and populate the additional fields. This information should be obtained from your IT administrator



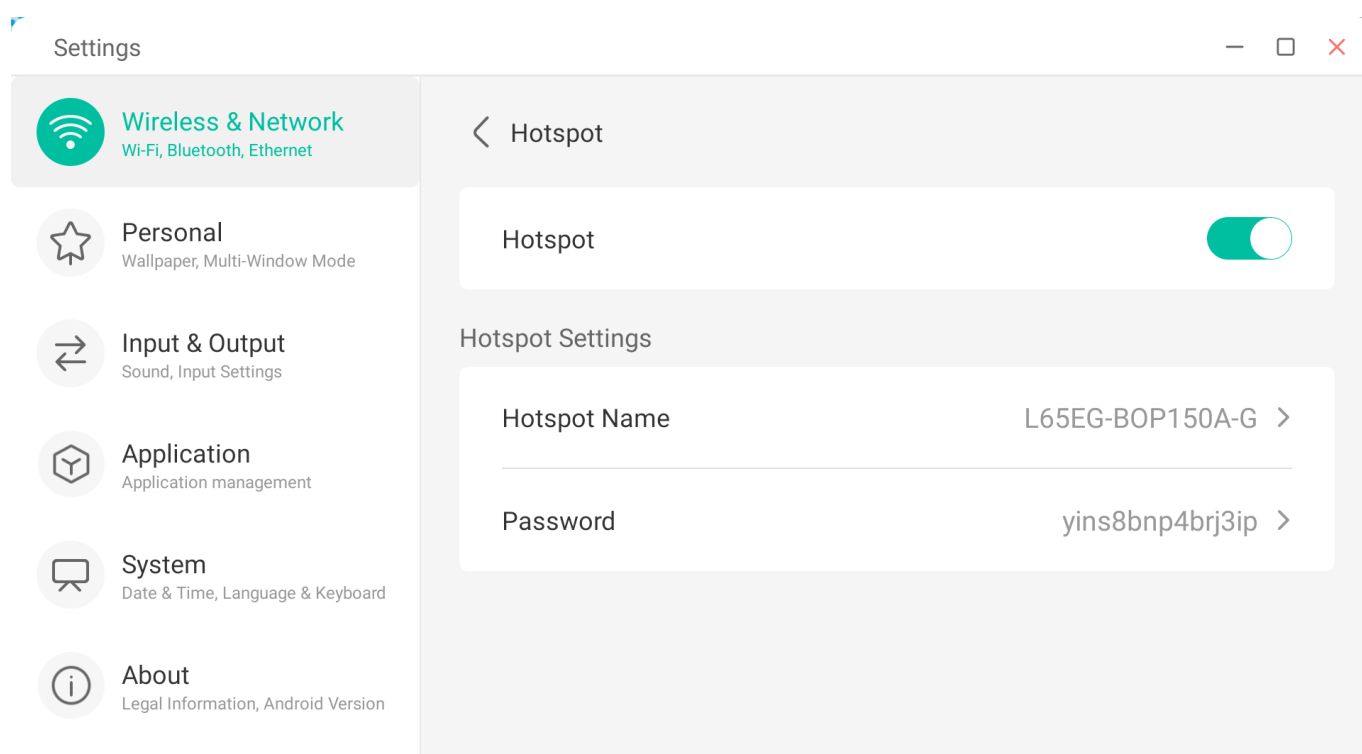
ethernet fig 1

Advanced settings

Hotspot

The display can provide a hotspot for devices to connect and share an internet connection. It also allows a secure option for direct casting to the display without the requirement of an active network connection for both devices.

- Enable the connection by selecting the Ethernet option to open the sub-menu.
- Change the toggle switch on the right-hand side to switch on the connection. It will change to a green colour. (hotspot fig 1)
- The name and password can be adjusted in the Hotspot settings

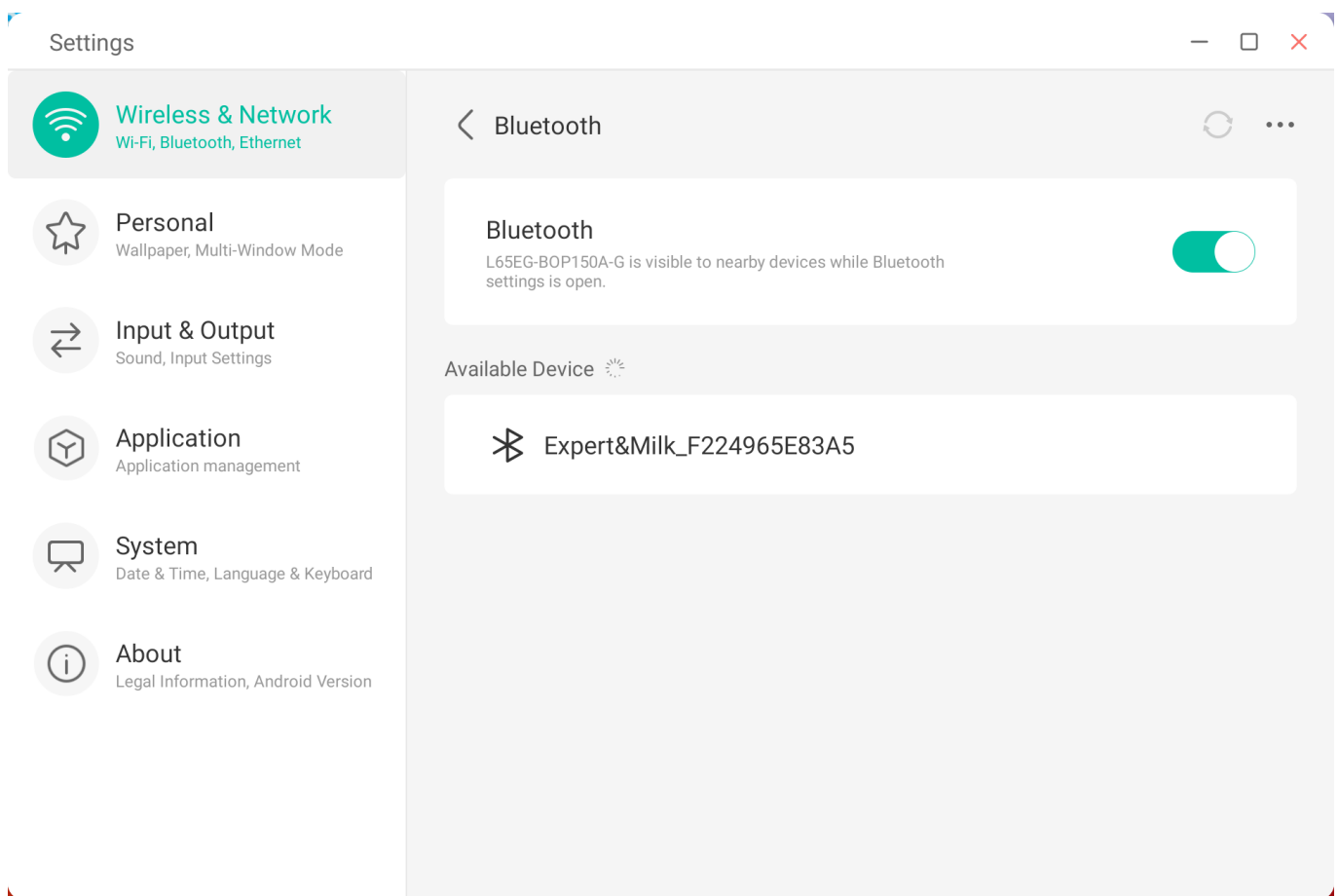


hotspot fig 1

Bluetooth

Bluetooth devices such as cameras, keyboards, mice and speakers can be connected to the display for additional functionality.

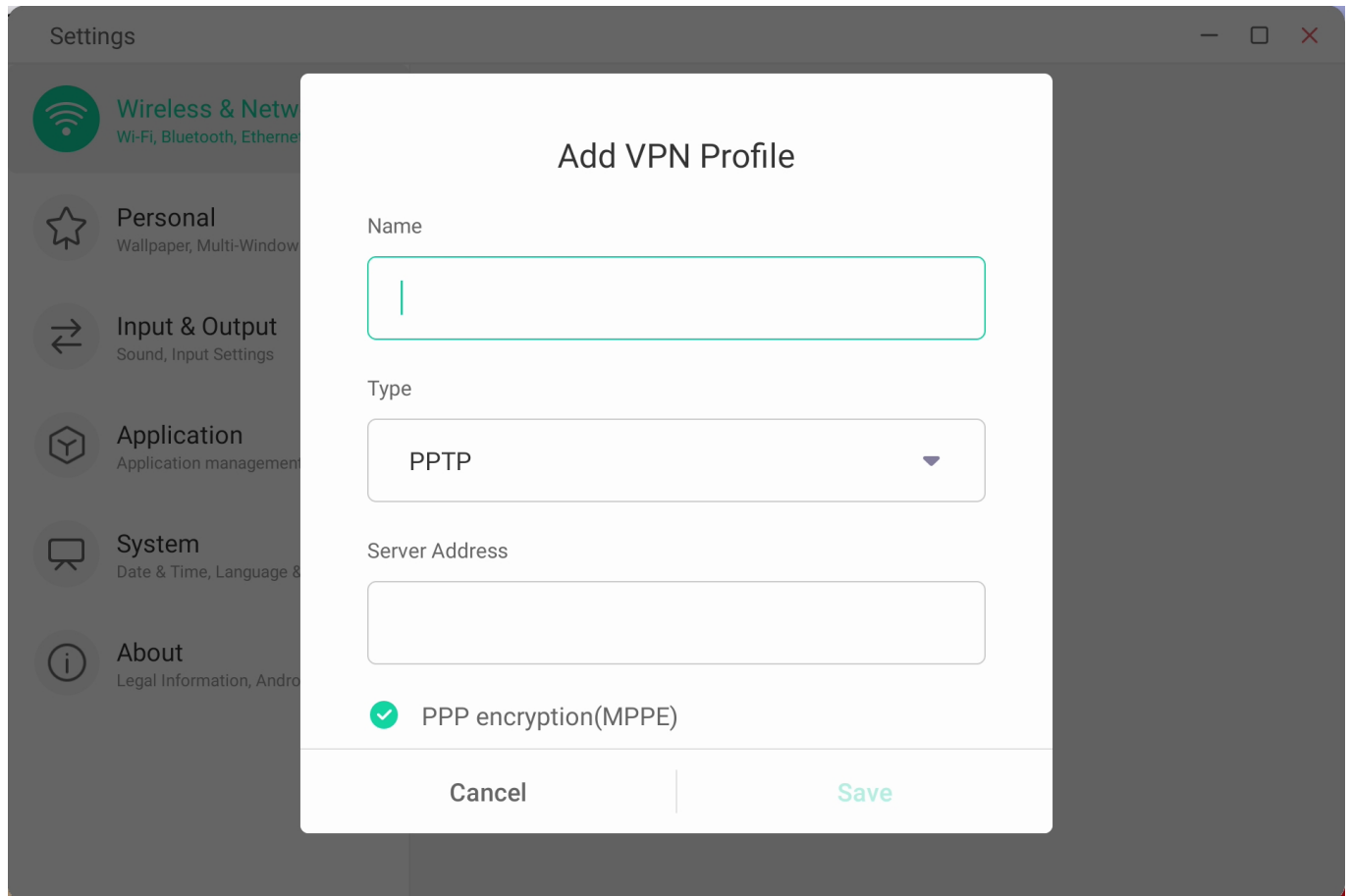
- Enable the connection by selecting the Bluetooth option to open the sub-menu.
- Change the toggle switch on the right-hand side to switch on the connection. It will change to a green colour.
- A list of devices will appear
- Select the device to connect and pair with the display
- Once connected it will appear as a connected device in the list
- To unpair, the device, select it from the list and then either forget or disconnect.



VPN

For added security or to connect the display to a remote network, the VPN (Virtual Private Network) setting should be used. All settings for this option should be obtained from your IT administrator.

- Enable the connection by selecting the VPN option to open the sub-menu.
- Select “Add VPN”
- Enter all the details specific to the VPN as provided by your IT Administrator and save to exit.



SAMBA

The SAMBA connection enables the display to be added to a network directory. This allows remote devices such as laptops or PCs to connect and upload/download files directly to the file manager.



Note

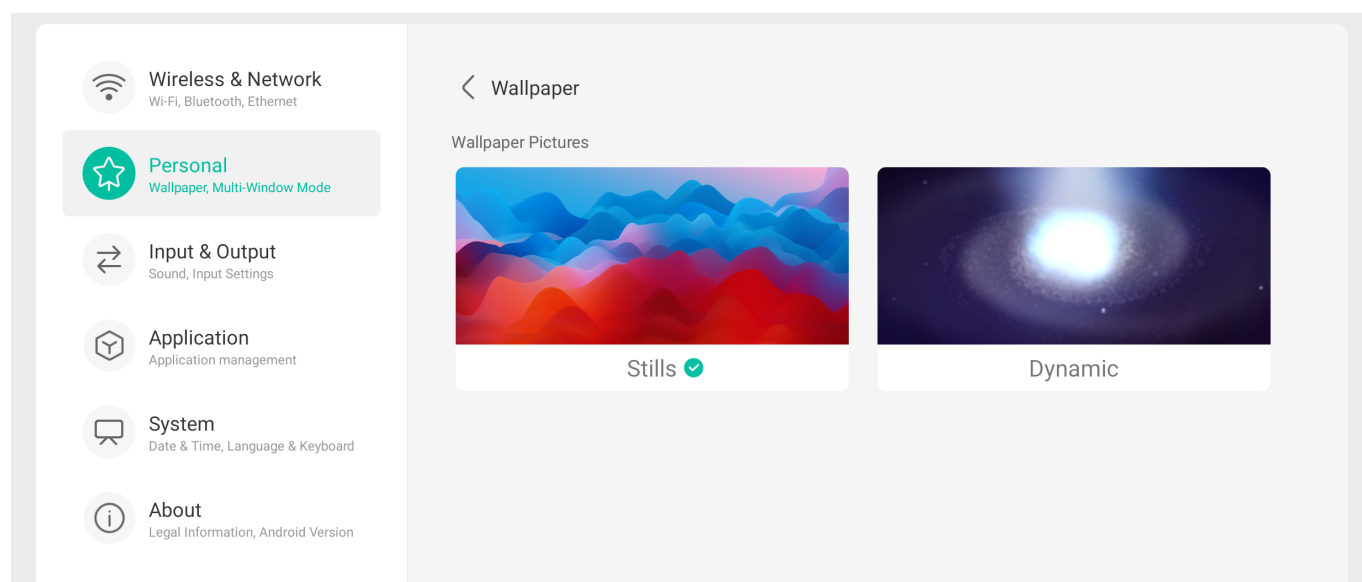
The username is set as Admin and cannot be changed.
A password is strongly recommended during the setup to protect all content on the display.

Advanced settings

Wallpaper

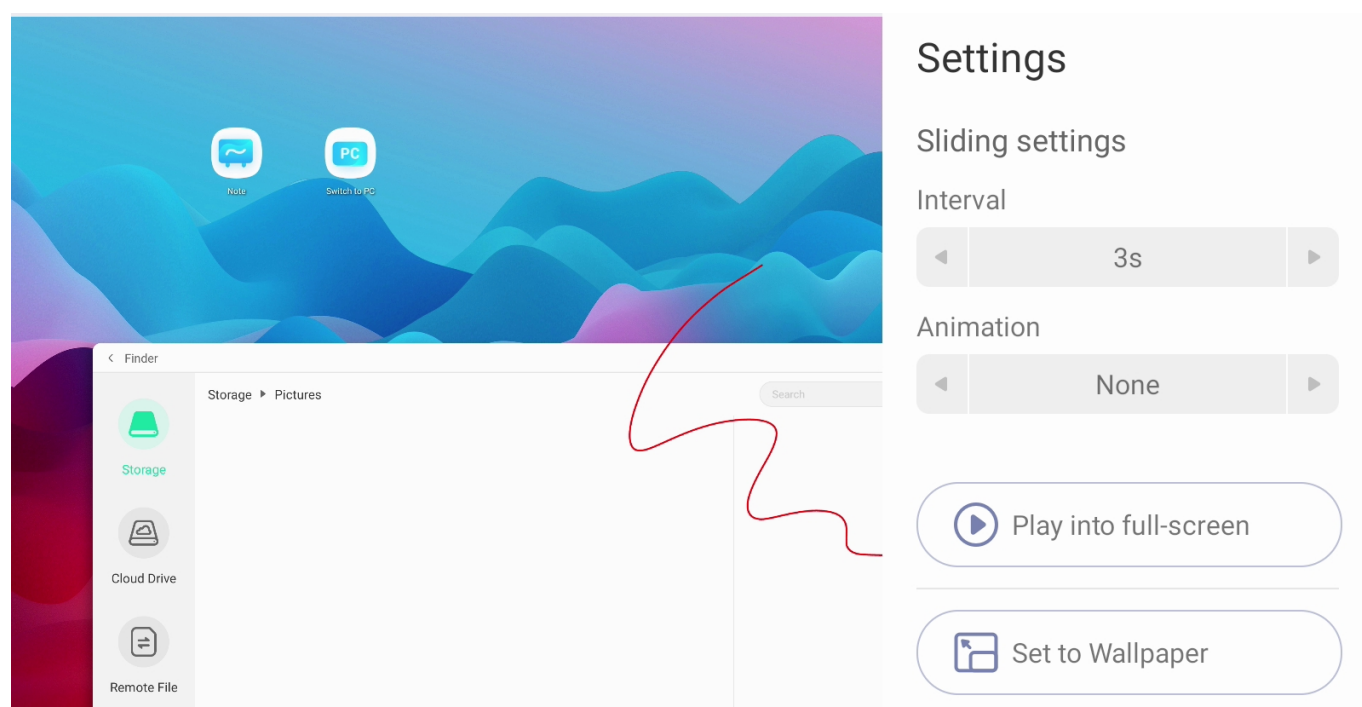
There are a number of the default wallpaper for the home screen to choose from. There are options for either “still” or “dynamic” wallpapers.

- Open the settings menu and select Personal from the side menu and then “wallpaper”
- Choose from the option of “Stills” or “Dynamic” to open and choose from the selection



The home screen wallpaper can have a custom wallpaper

- Download or save an image to the file manager.
- Open the image
- Select “settings” from the picture toolbar at the bottom
- Select “set to wallpaper” on the right side of the menu to activate this as the new wallpaper



Advanced settings

SystemBar Menu

The sidebar menu by default is available in all source channels. This allows the sidebar menu to be accessed when using a connected PC, built-in PC Module, the Android interface or even when connected to an external input device such as a DVD player.

There are additional options for security to limit where the sidebar menu is displayed.

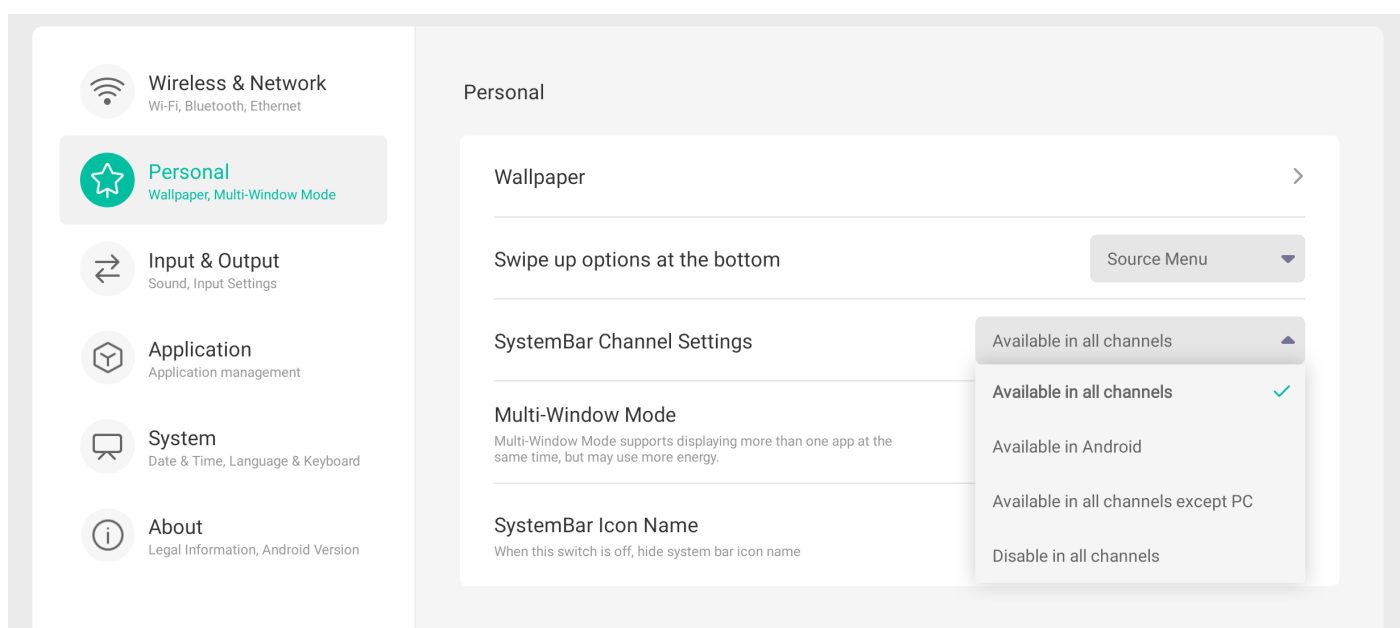
- Open the settings menu and select “Personal”
- On the right side of the menu the option for “SystemBar Channel Settings” will be shown with a drop-down box to the right
- Select the dropdown box to present the options and select the preferred choice
 - **Available in all channels** - Default Setting
 - **Available in Android** - This will only show the sidebar when using the Android input source
 - **Available in all channels except PC** - If a PC module is built into the display, these settings will prevent the menu from showing when using this input source. All other options such as Android, HDMI, and VGA will show the toolbar
 - **Disable in all channels** - This will deactivate the sidebar completely for all sources



WARNING

Selecting “Disable in all channels” will result in no access to the apps menu, additional tools and other features available on the display.

To enable the sidebar, use a shortcut icon in upper corner of display to open the settings menu and navigate to the SystemBarChannel Settings

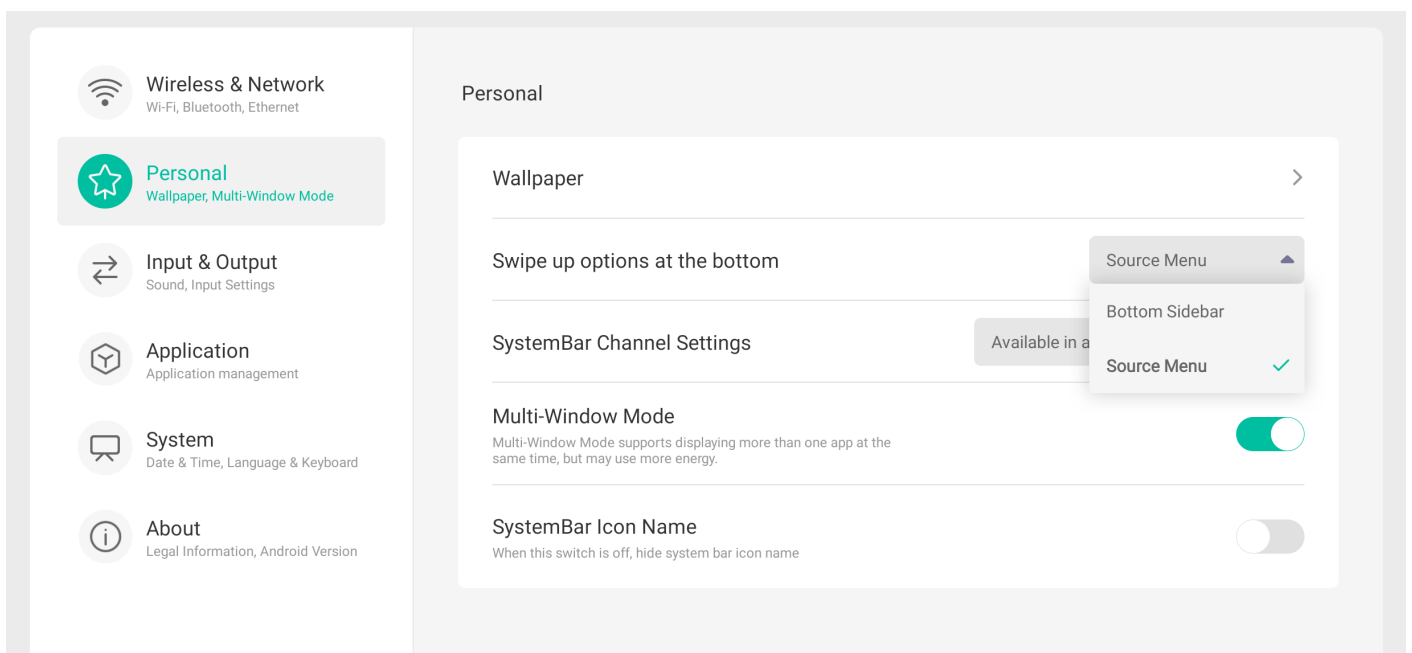


Advanced settings

Multi-Window Mode

The default setting on the display will open all apps in full screen mode and only one app will be visible on the screen at a time. The Multi-Window Mode allows the display to show multiple apps at the same time. Each window can be adjusted and moved around the screen or locked to a corner, side or covert to full screen.

- Open the settings menu and select “Personal”
- Enable the “Multi-Window Mode” by changing the toggle switch on the right-hand side to switch it on.
- It will change to a green colour when active (multi fig 1)
- The display will need to reboot to activate the mode change



multi fig 1

SystemBar Icon Name

By default, the sidebar menu will show names for all of the icons displayed. This can be switched off by changing the setting to off as shown in the image above (multi fig 1). When disabled, only the icons will appear in the sidebar menu.

Main Screen Swipe Up Menu

The home screen has the functionality to launch a menu by swiping up with one finger from the bottom of the screen. By default, this action will open the “Source menu” as shown in “Basic Settings” of this user guide.

An alternative option is to have the action open a bottom “SideBar menu” as shown above (multi fig 1)

Advanced settings

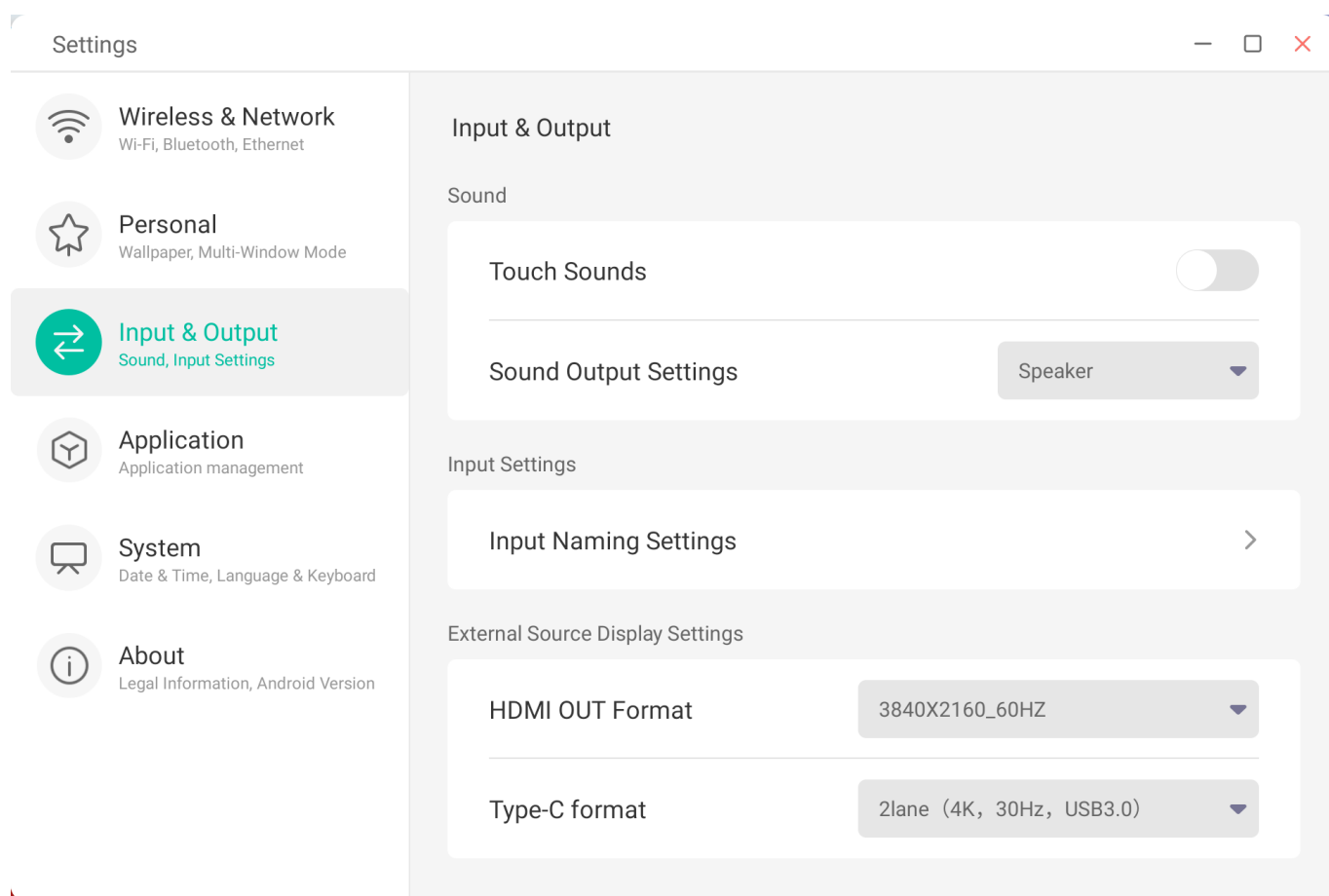
Input & Output

Touch Sounds

Touch sounds can be switched on/off from this menu. When switched on (default setting), a sound will be heard each time a key is pressed on the on-screen keyboard. This keyboard appears when the requirement to type is needed, in apps.

Sound Output

The displays are supplied with built-in speakers to provide great audio for most environments. If additional speakers are required and connected to the display through the Audio Out port then the option to switch the audio to either the built-in speakers or external connection is possible. The “mixed” option available will allow audio from both internal and external connections at the same time.

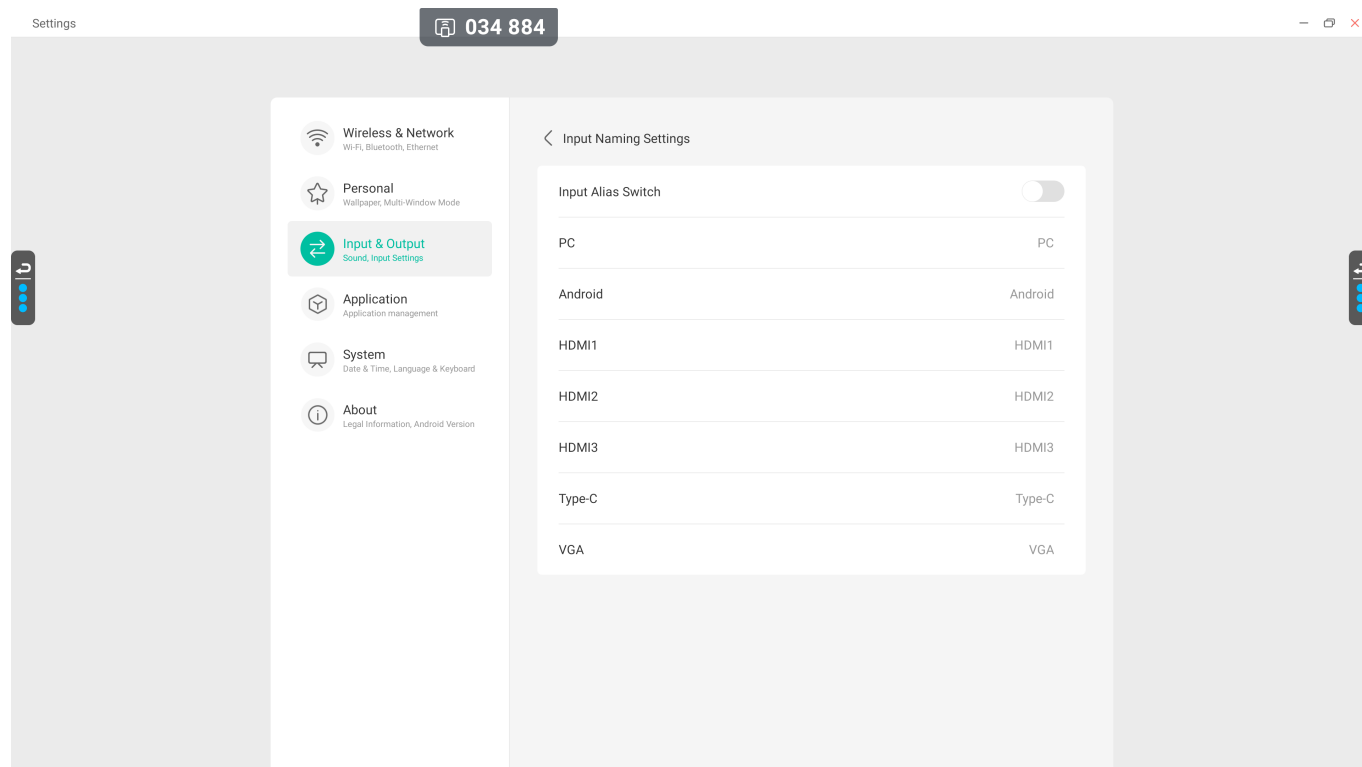


Advanced settings

Input Naming

Each of the source input can be set to have a unique name associated to the connection. Open the Input naming setting and switch on the “alias switch” at the top of the page. Each of the source option names can now be changed to a name of the users choice.

If the default naming is required simply turn off the “alias switch”



External Source HDMI & USB-C

The HDMI out resolution can be selected to best suit the device connected to. The default setting is to provide the maximum 4K resolution output.

USB-C output can also be adjusted to either support a higher video frame rate output or a fast data transfer rate. The default setting is to provide a higher data transfer rate of USB-3.0

Advanced settings

System

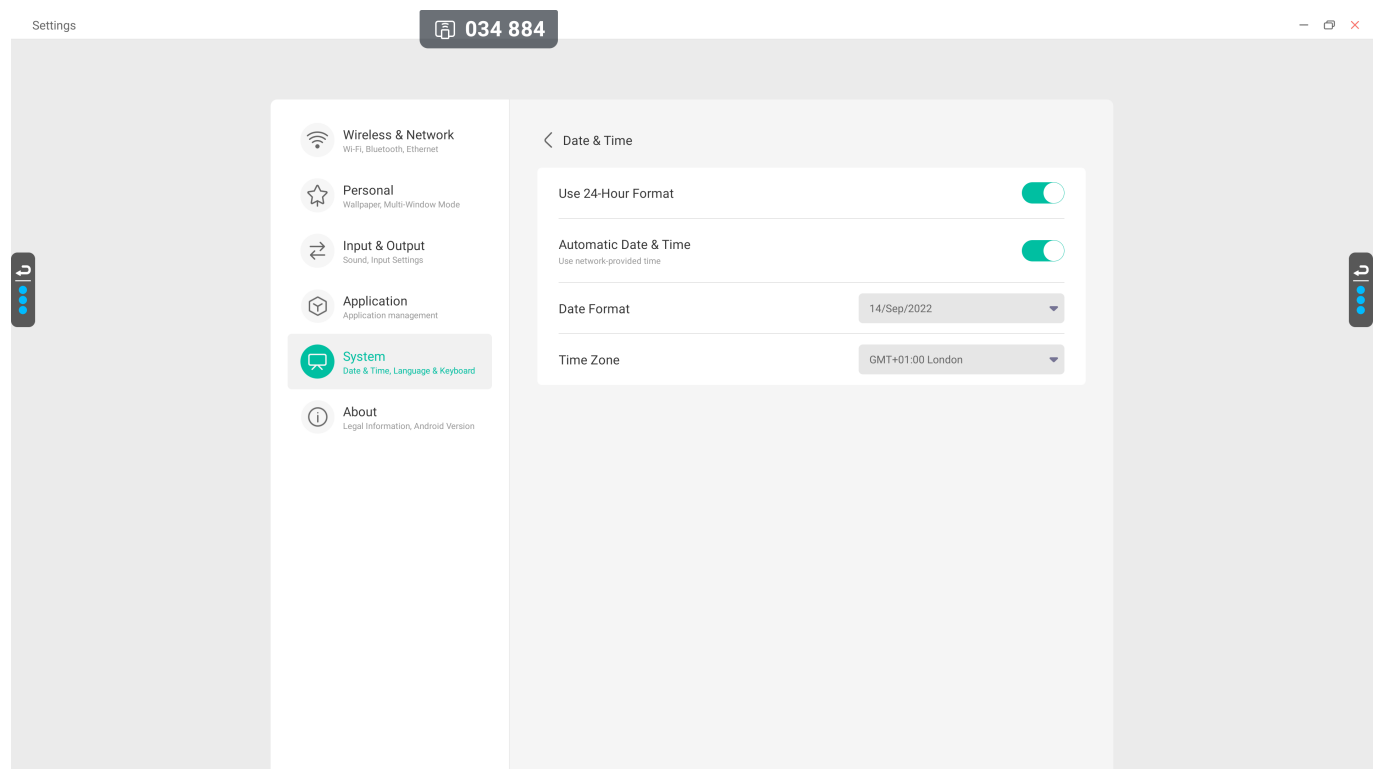
Date & Time

The date and time of the display can be set to either show a 12 hour or 24-hour clock by toggling the switch in the menu

Automatic date and time can be set using a network connection. This will only work when a WiFi or Ethernet connection is being used. If this is not used then manual options will be presented to set both.,

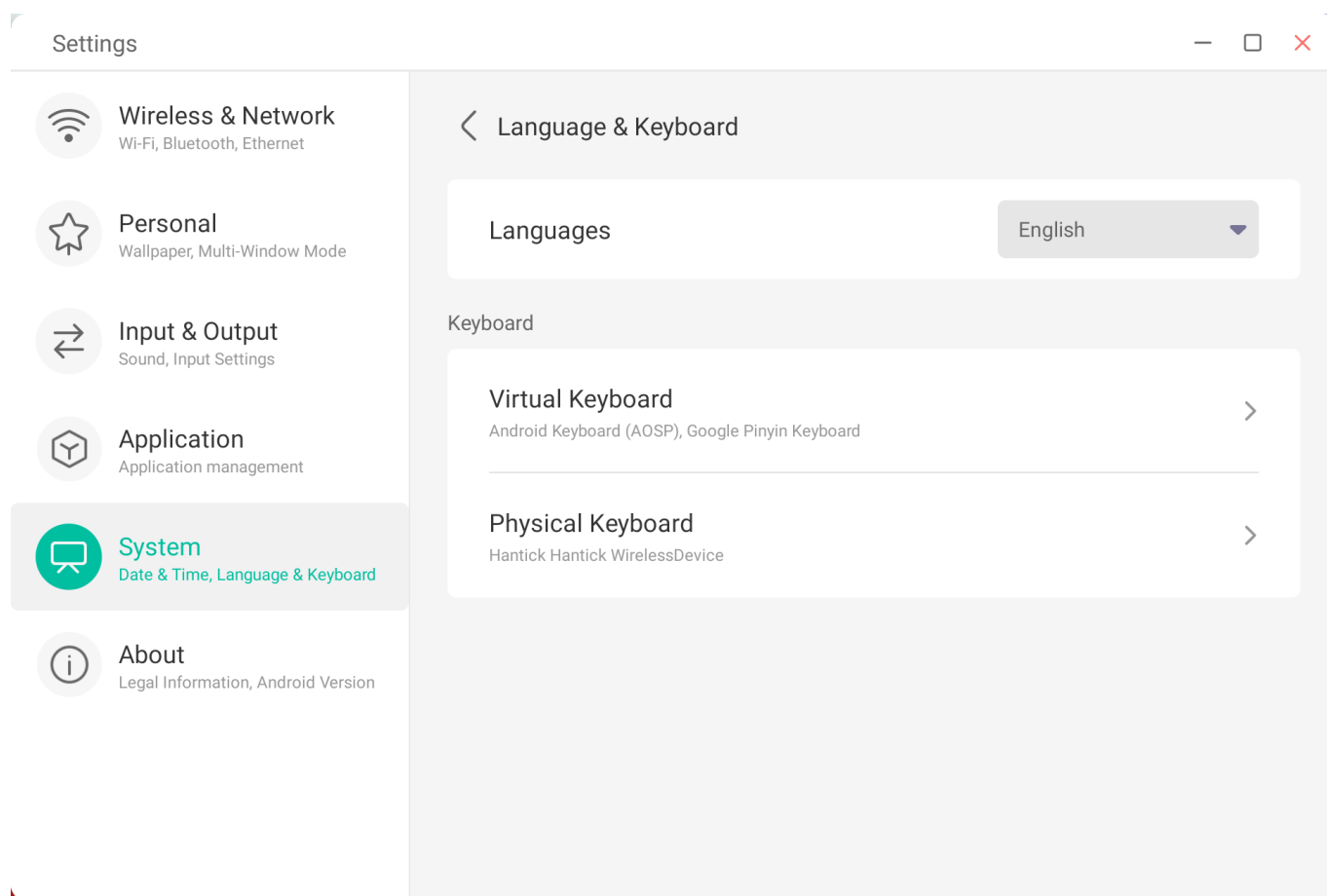
The date format can be selected from the drop menu to provide a user preference

The time zone is not automatically adjusted and will need to be set on the display to represent the current time zone of the display.



Advanced settings

Languages & Keyboard



The display language can be changed to one of the 9 languages supported. Open the menu and select from the list to change all menu text to the local language selected.

Keyboards are used throughout the installed applications and by default, the virtual keyboard that appears on the screen is set based on the main display language selected. It can be adjusted by pressing the “Virtual Keyboard” text in the menu screen and then pressing the Android Keyboard option.

Within this menu the option to change the language and also change the layout to a split keyboard is possible.

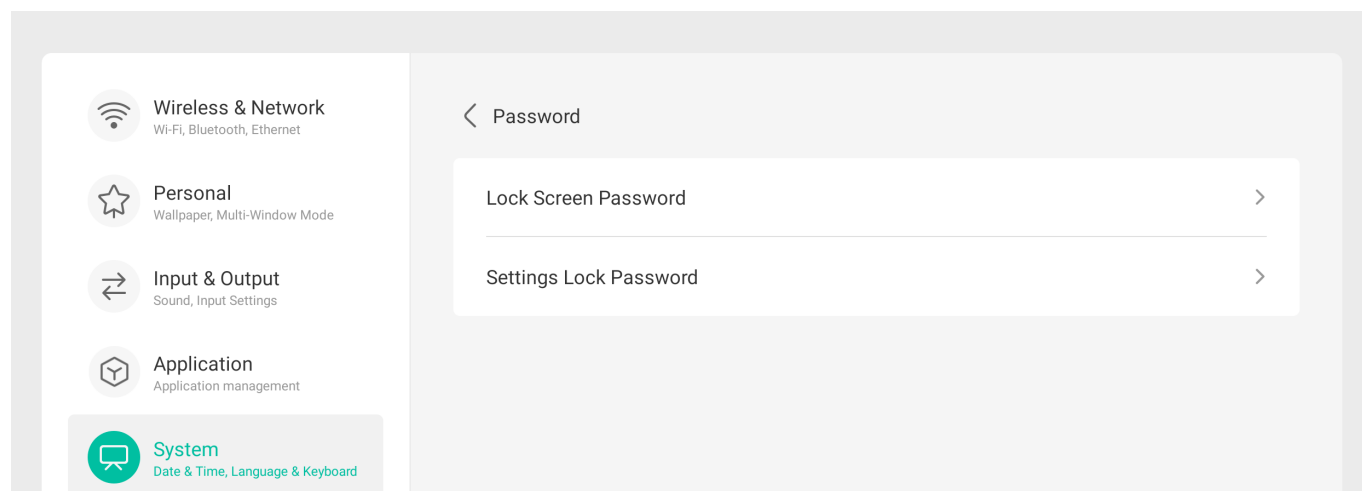
A physical keyboard can be connected to the display via USB or Bluetooth. These keyboards will be displayed and if required the layout of the keyboard can be adjusted in this menu.

Advanced settings

Password Control

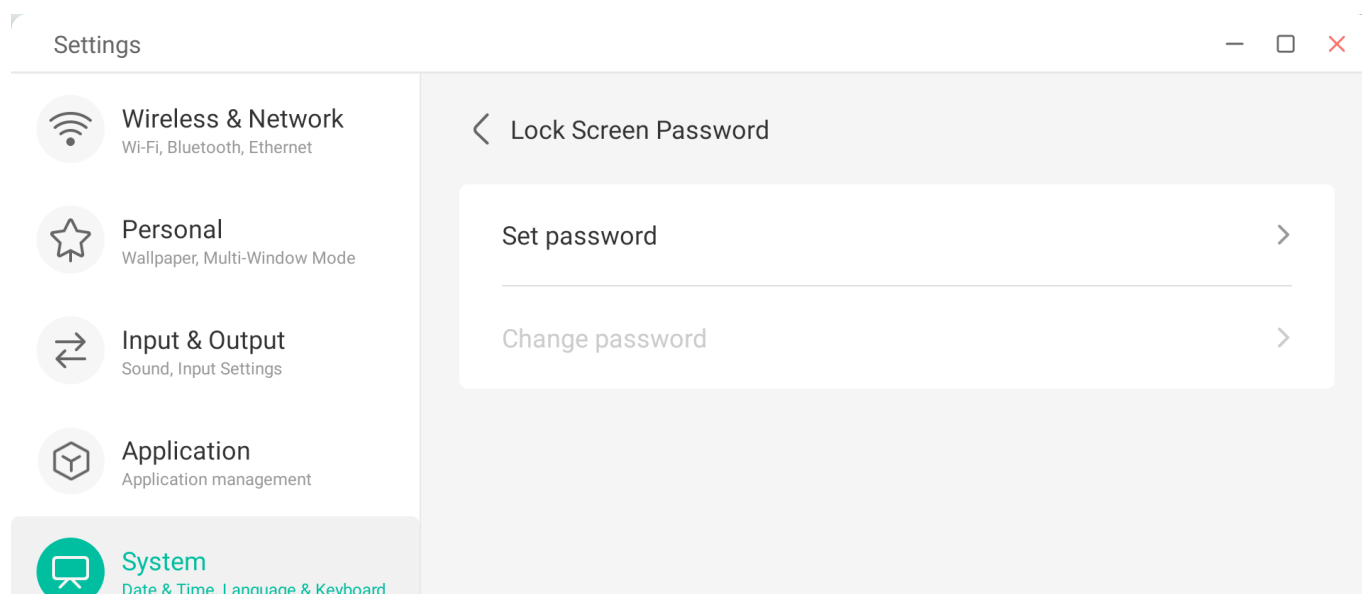
The display has two options for additional security where a password is possible. The settings menu and screen can be independently locked using separate passwords as required.

To set the passwords open the “password” menu under “system” and select the lock option required from either Screen or Settings

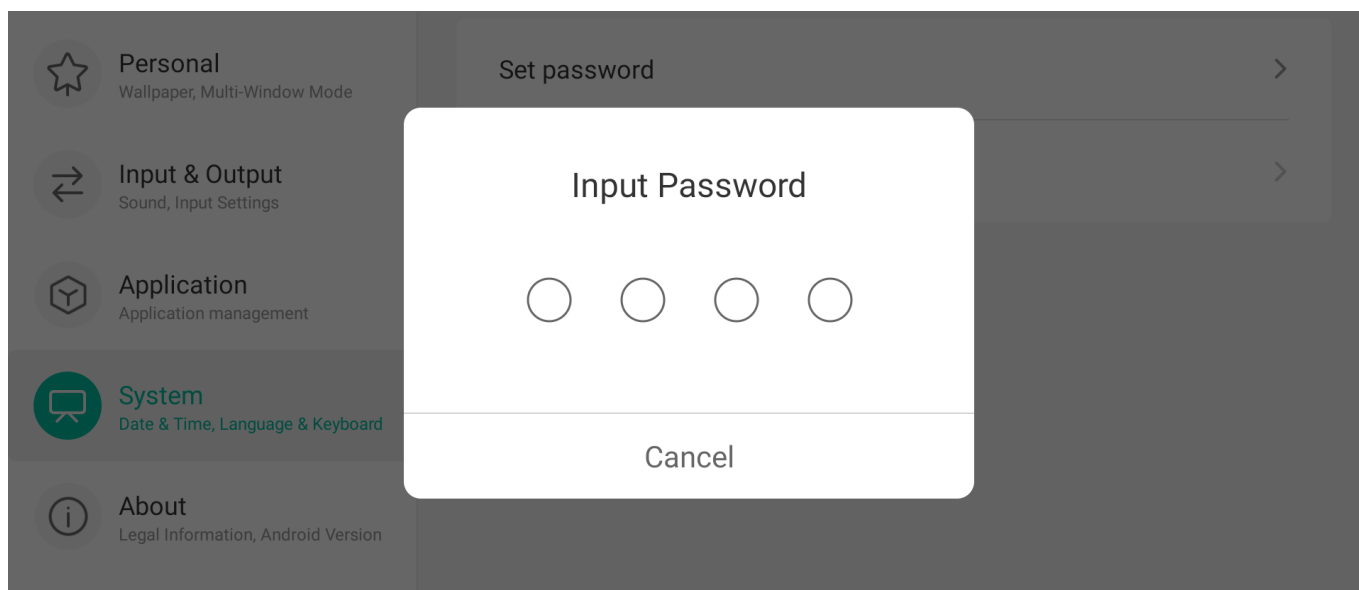


The next screen will show the option to “set password”, “clear password” or “change password”. This will depend on whether a password has been set previously or not.

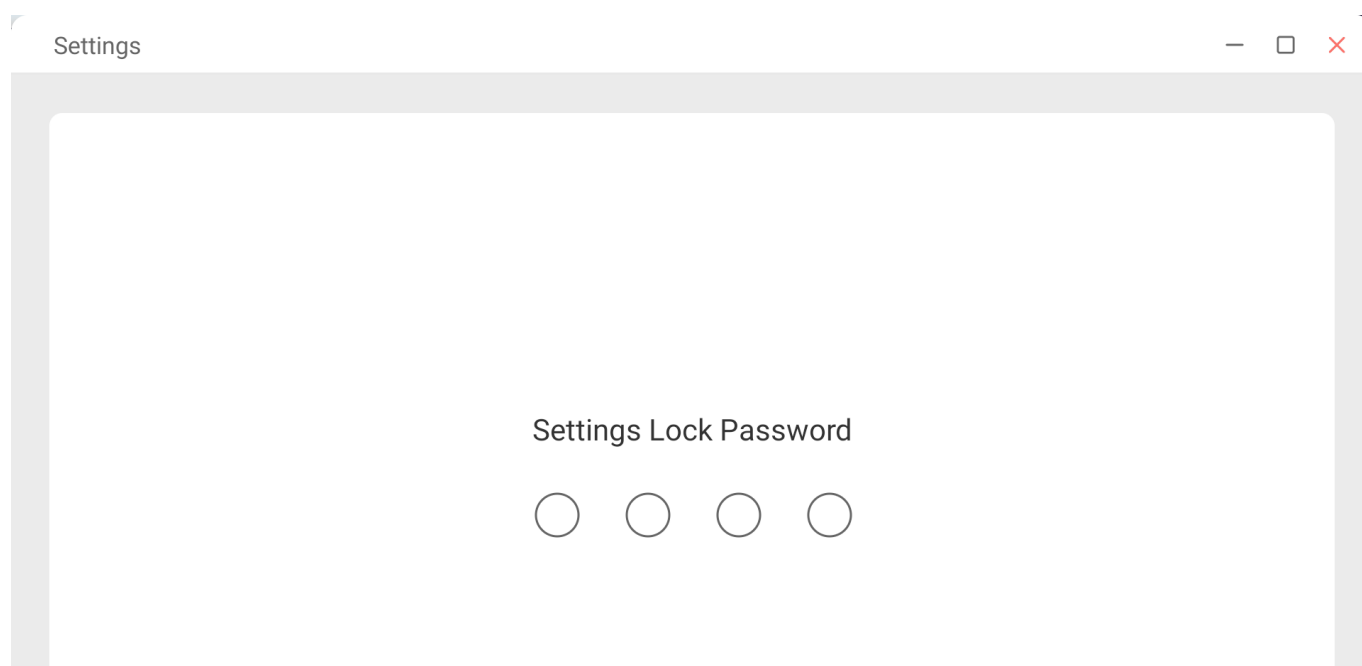
If this is the first time then press “set password” and then enter in a 4 digit code and repeat to confirm the code.



Advanced settings



Once the main settings menu is closed it will be locked for the next time it is opened. To open the menu simply enter the code.



The screen lock can be set in the same way and then activated by pressing the “screen lock” icon in the more tools menu from the side bar.

If either of the locks are no longer required or if the code needs to be changed, repeat the first steps to either “clear password” or “change the password”

Advanced settings

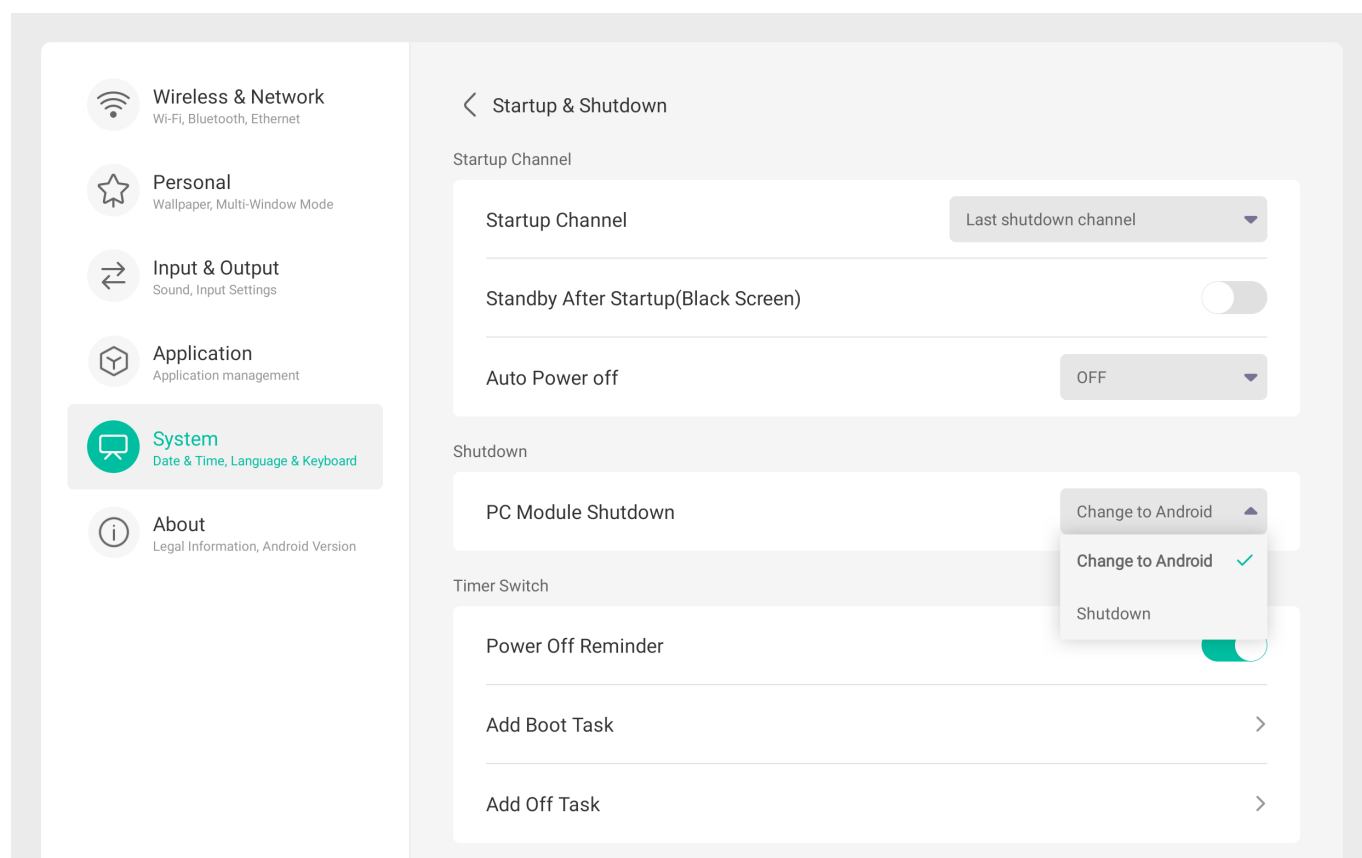
System

Startup & Shutdown

In this menu, the display can have several settings to customise the way the screen reacts to actions and also can also have automation enabled for further environmental benefits

The startup channel allows the user to select which source the display will startup in. It can be a source that is connected, the built in Android OS or the default option of the last source input that was used when last shutdown.

The option to have the screen immediately go into standby mode can be selected. This is a useful tool if you wish to have the screen ready for use and not immediately. It will also reduce energy consumption.



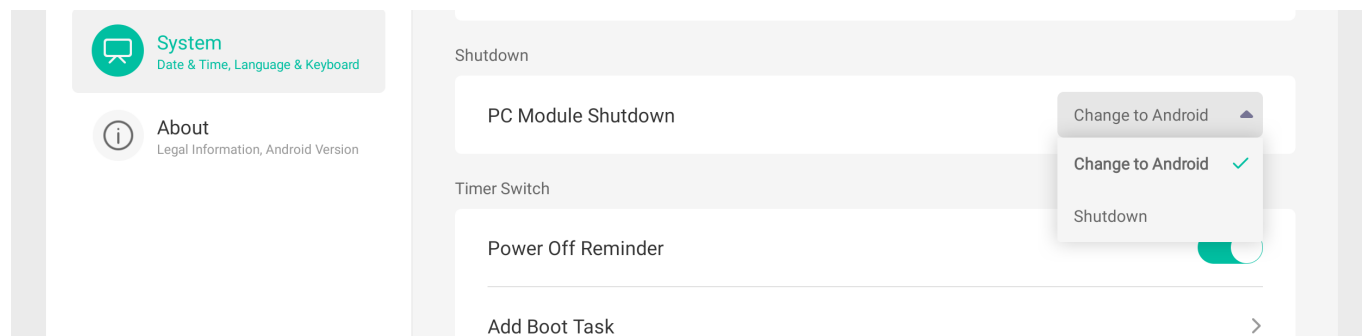
Auto power off can be adjusted to turn the display off after a selected number of minutes. This action will monitor the touch activity and if no touch input is recognised in the period it will trigger the power-off action.

Advanced settings

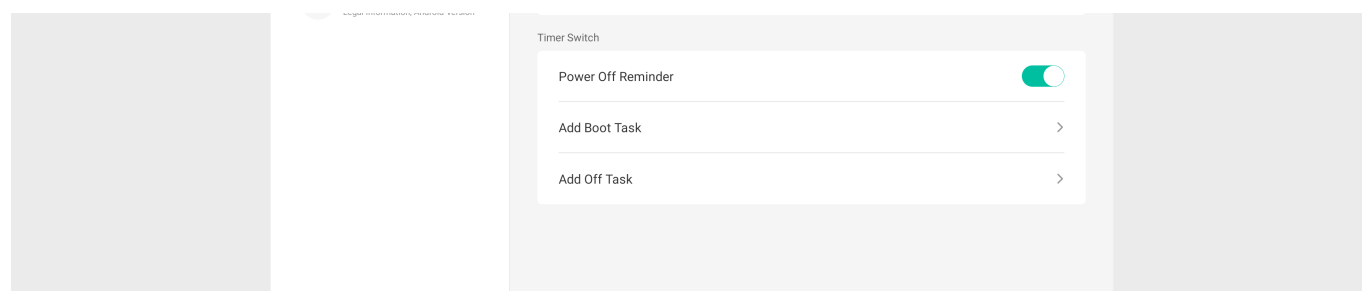
PC Module Shutdown

This option is for use with a built-in PC module only.

Users can select either to have the display shut down or switch the source to Android when the PC module is shut down. The setting is made available as users may wish to stop using the built-in PC and move to Android mode and making this setting change can allow the simple sway whilst reducing energy consumption.



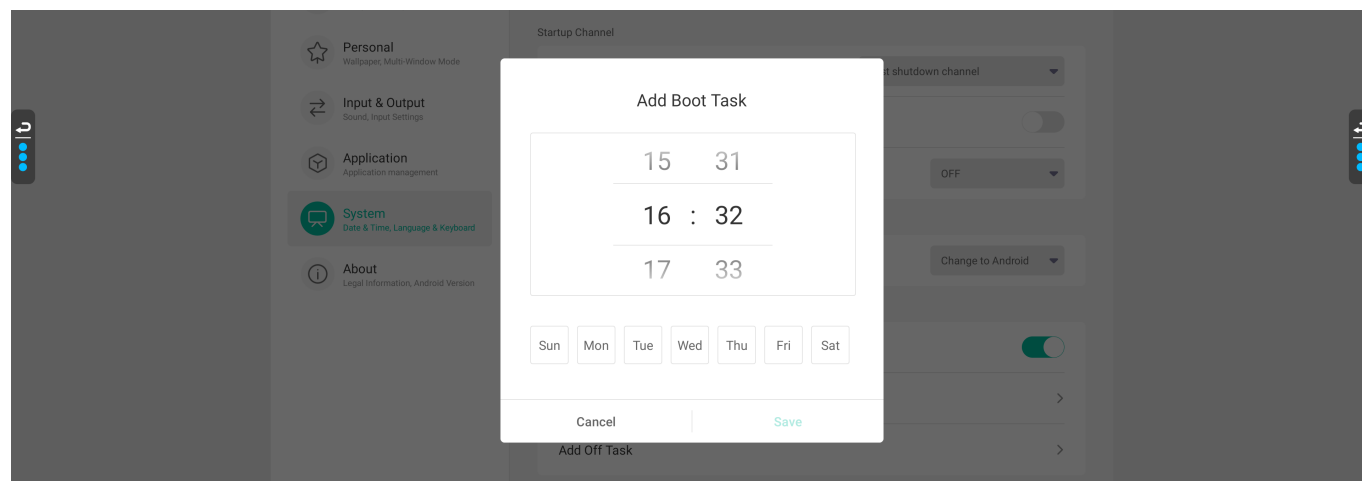
Startup & Shutdown Schedules



The display can be automated to turn on and off at selected times and days. A reminder can also be shown on the screen to inform users of the scheduled automation in case the display is still in use.

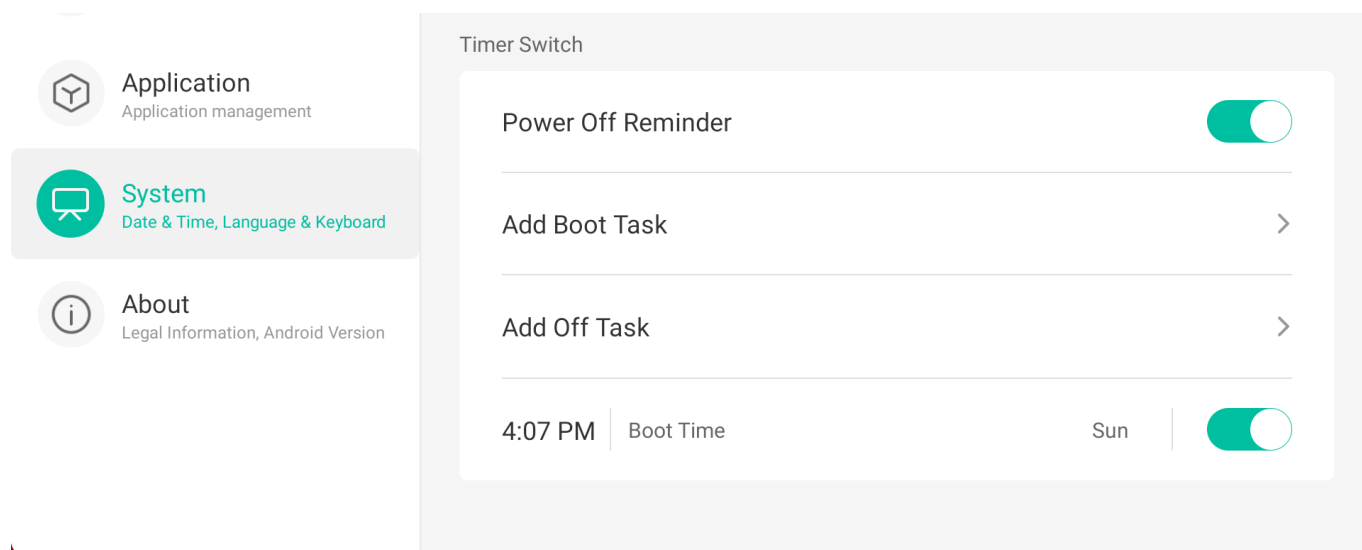
The “add boot task” is selected to create the startup time and day. This could be a single schedule with multiple days or you can create multiple schedules for different days or times.

The “add off task” is created to turn of the display in the same way as the boot task is set.

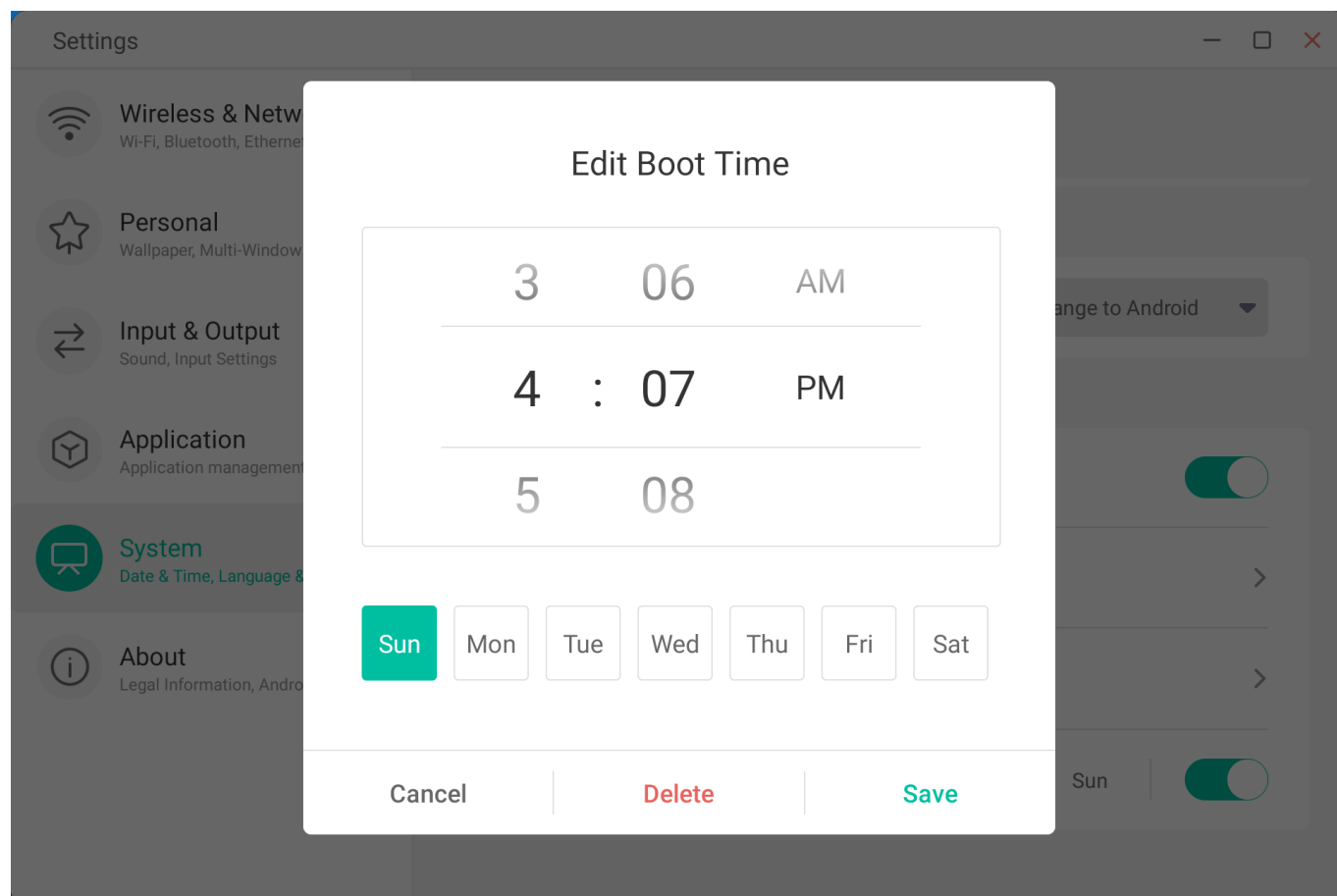


Advanced settings

All “Startup & Shutdown” tasks will be displayed at the bottom of the menu and can be activated and deactivated by toggling the switch.



To delete or adjust a schedule, press the task name and either adjust the schedule or select delete.



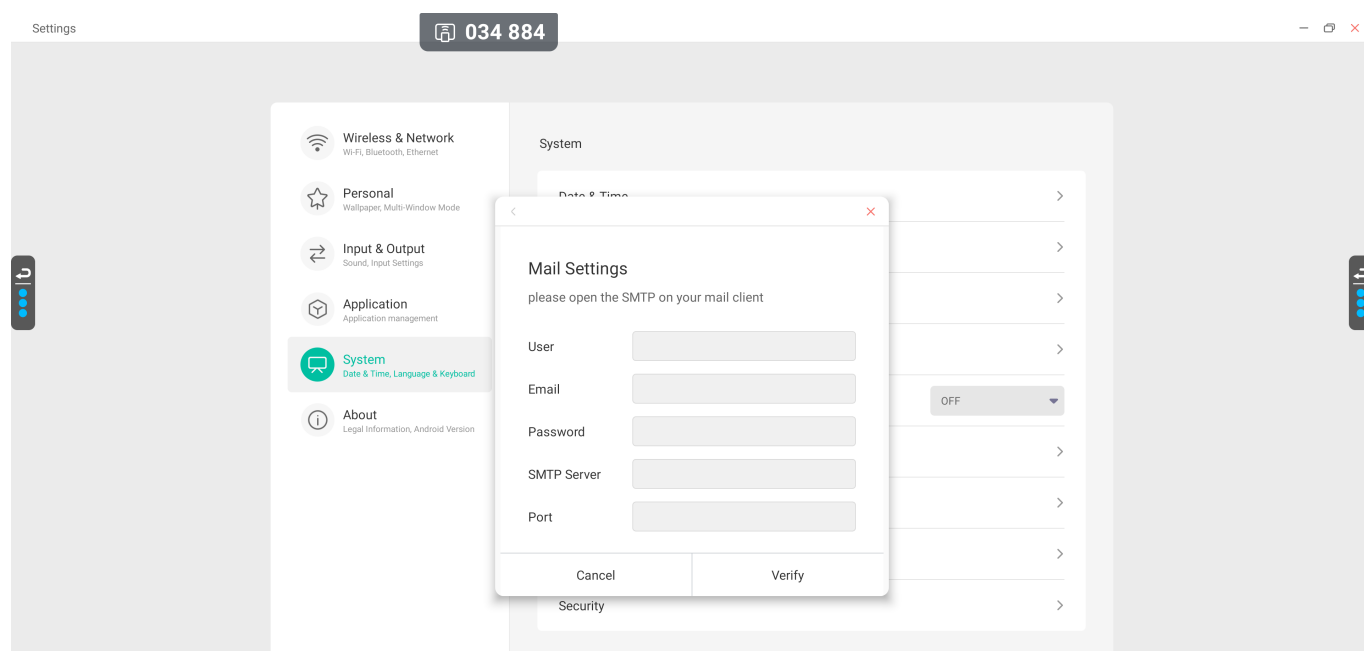
Advanced settings

Pixel Shift

The display can be set to automatically adjust the image by moving pixels for a brief moment and then resuming the original image. This is to ensure the screen doesn't have burn in issues where users may have a single image displayed for an extremely long period of time.

Email Settings

There are several applications on the display that can send various images, data or documents to a user via email. The email settings option can be configured to use a specific email account for the display so that they can be sent directly.



Storage

The storage option allows users to see how much of the internal storage is being used and to clean app data and any present.

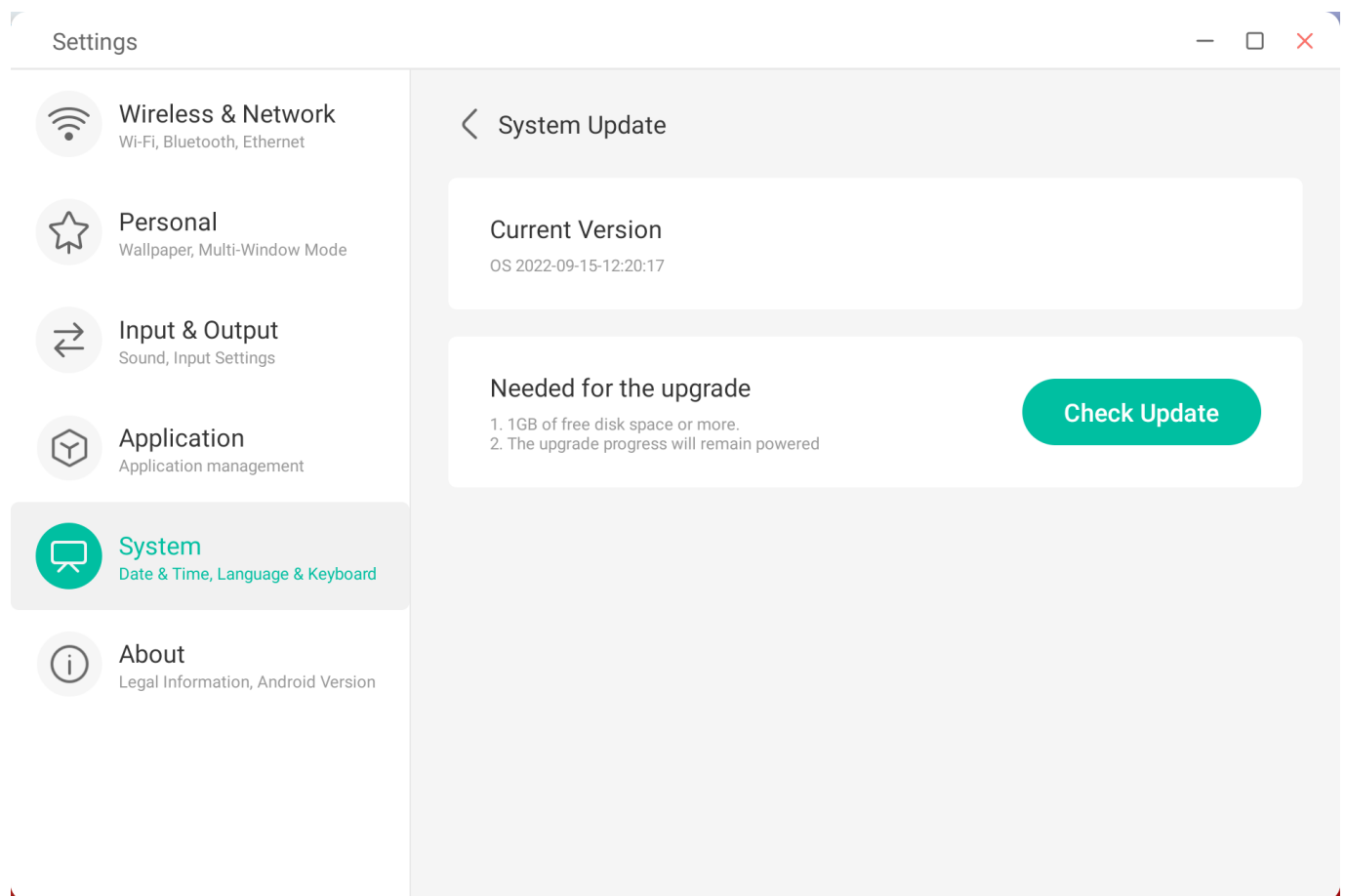
Advanced settings

System Update

System updates are periodically made available to users via the OTA (over-the-air) server from InFocus.

Updates are normally only available as a manual activity to prevent releases interfering with user activity on the display at time when in use. To check if any updates are available, press the “check update” button and wait for a few seconds. If an update is available then further details are provided to guide the user for downloading and installed.

If the display is on the latest version then a message will confirm.



Advanced settings

System

Security

Additional options for USB, Cloud drive and other locks are possible along with allowing manual installation of APK files.

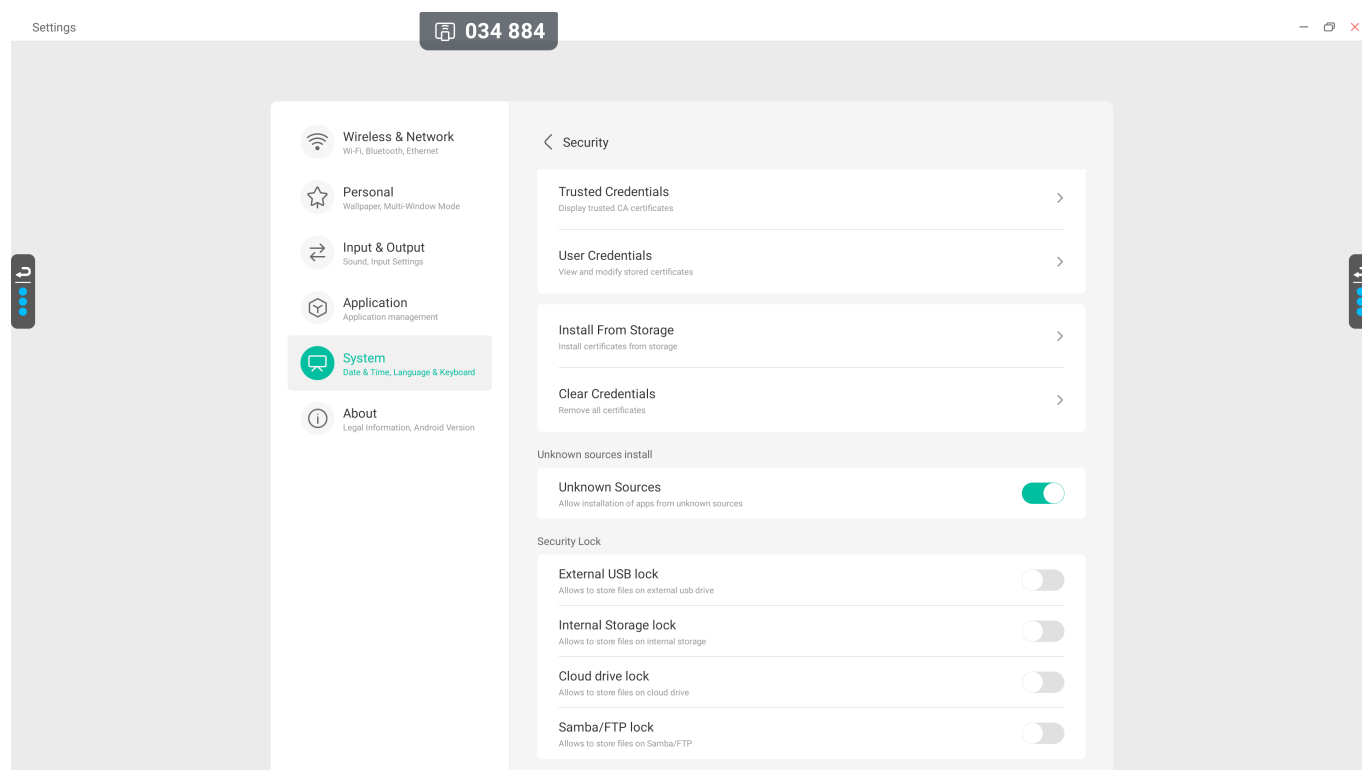
Unknown sources when active will allow users to download APK files and manually install the applications onto the display. By default this is not enabled.

External USB lock when enabled will prevent users from saving files to a USB drive inserted in the display. This prevents files from being copied or other images, documents being saved to a USB device.

Internal Storage Lock when enabled will prevent any files, annotations, drawings being save to the internal storage of the display. This is normally used if the device is to only allow saving to USB devices or if the display is used in confidential locations.

Cloud Drive lock when enabled will prevent any files being saved to the cloud storage accounts that are configured on the display

Samba/FTP lock when enabled will prevent the saving of files from the display to a remote connection storage location on a server.



Advanced settings

About

The about menu provides details of the display such as the Android version, module number and all legal notices for licenses required on the display.

Some of this information maybe requested if a service case is reported.

InFocus