

COMMBOX INTELLIGENT DISPLAY GEN 2

User Manual

Learn More

This user manual, along with additional resources, is available in the Support section of our website:
www.commbbox.com.au/support



Important Information

Please read and follow all instructions before using your display.

- Do not open or disassemble the display
- Keep away from moisture, heat and direct sunlight
- Ensure proper ventilation at all times (min. 10cm sides/back, 20cm top)
- Do not block vents or install in confined spaces

Power & Handling

- Use only the supplied power cable
- Ensure the power supply is properly grounded
- Do not plug/unplug with wet hands
- Disconnect power before moving or cleaning
- Unplug during storms or long periods of non-use

Cleaning

- Always unplug before cleaning
- Use a soft microfibre cloth
- Use alcohol-based cleaner (e.g. Isocol)
- Do not spray directly onto the screen

When to Contact Support

Disconnect power and contact CommBox if:

- Power cable is damaged
- Liquid enters the display
- The display is dropped or damaged
- The display behaves unexpectedly

SCAN



Installation & Maintenance Guide

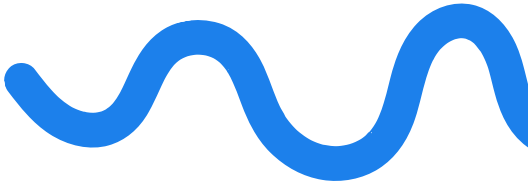


Power Scheduling Tips

Contents

CommBox Intelligent Display Gen 2 User Manual

Learn More.....	2
Important Information.....	2
Power and Handling.....	2
Cleaning.....	2
When to contact Support.....	2
 Chapter 1: Introduction.....	 4
What's in the box?.....	4
Key Features.....	4
 Chapter 2: Display Overview.....	 5
Getting to know your Display.....	5
Control Buttons.....	6
Ports and Connection	7
Remote Control	9
 Chapter 3: Getting Started	 12
Power On	12
Making Connections	12
Using wireless screensharing	14
How to Connect using Native screensharing	14
 Chapter 4: Operating your Display.....	 16
Input Source selection	19
Menu Navigation	20
Audio Settings	21
System Settings	27
Power Settings	27
Other Settings.....	22
About your Display.....	28
 Chapter 5: Troubleshooting	 30
Maintenance	31
Support	31



Chapter 1: Introduction

What's in the box?

- CommBox Intelligent Display Gen 2
- Remote Control
- Power Cable
- HDMI Cable
- Wall Mount Bracket
- AAA Batteries

Key Features

- 4K Ultra HD resolution
- Android 13 system with integrated app ecosystem (optional Windows module)
- USB-C single cable connection (video, touch, data and charging up to 65W)
- Anti-glare display with auto brightness (light sensor)
- Built-in speakers
- Wireless screensharing via CommBox Connect (Miracast, AirPlay, Chromecast)
- Designed for classrooms, meeting rooms and shared spaces

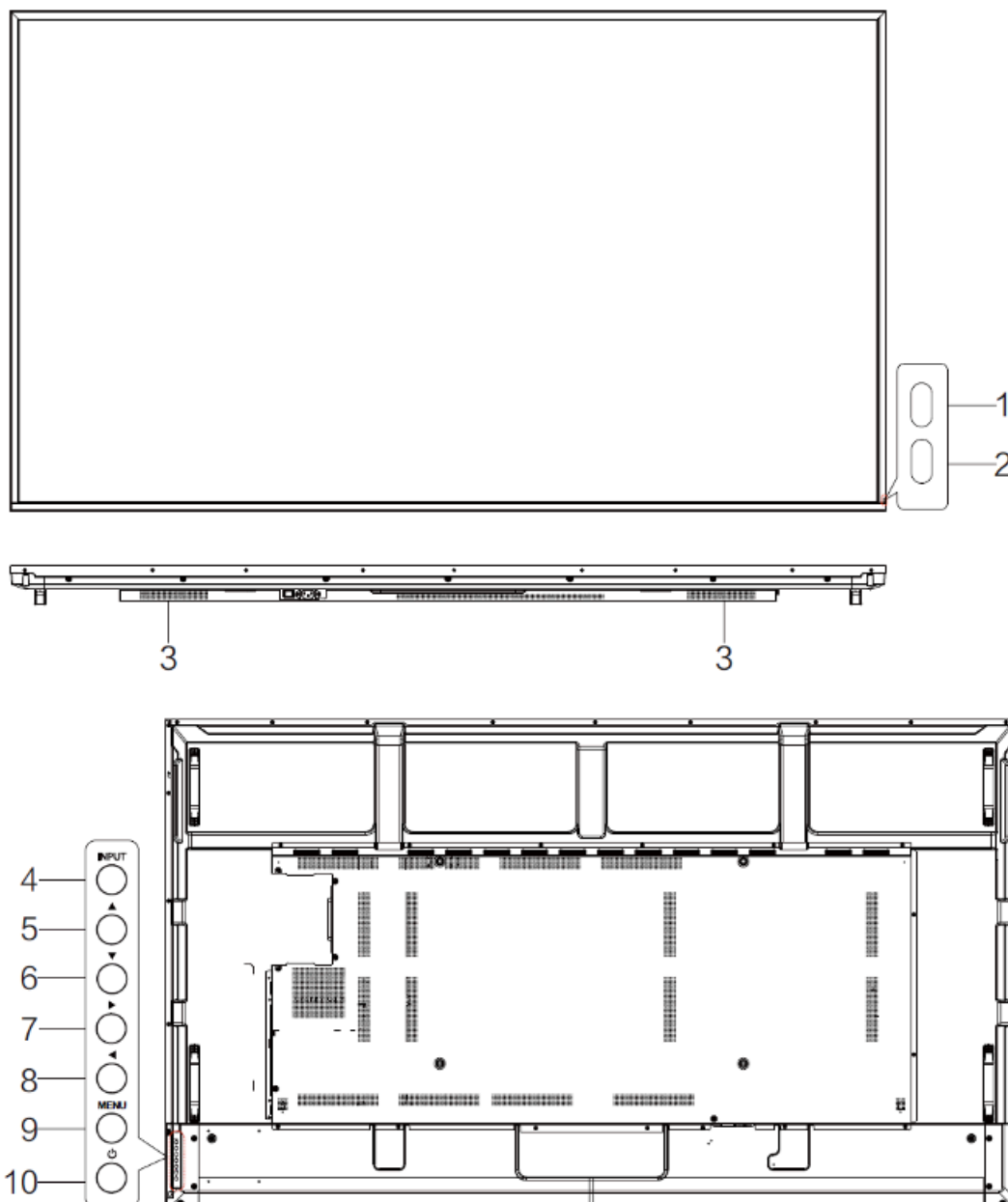


Chapter 2: Display Overview

Getting to Know Your Display

Your CommBox Intelligent Display includes:

- Light sensor (auto brightness adjustment)
- Power indicator light
- Built-in speakers
- On-screen control buttons



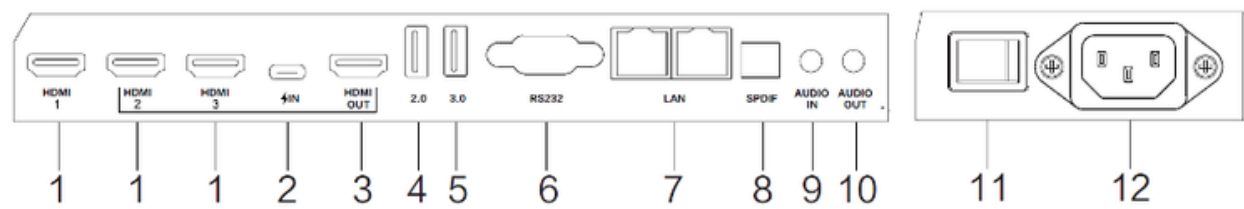
On-Screen Controls

The display includes built-in controls for quick access:

Item	Description
Light Sensor	Senses ambient light to adjust the backlight to the appropriate brightness. This can be configured in the settings.
Indicator Light	Senses ambient light to adjust the backlight to the appropriate brightness. This can be configured in the settings.
2 x Speakers	Sound output.
Input	Opens the input menu to allow you to change the input source.
	Press to scroll up / Volume up.
	Press to scroll down / Volume down.
	Press to scroll right.
	Press to scroll left.
Menu	Opens the Settings menu.
	Press and hold for 2 seconds to power on or off the device.



Ports & Connections



Your display includes a range of connectivity options.

Item	Description
HDMI 1/2/3	Connect devices like laptops, media players or set-top boxes to display video and audio on the screen.
USB-C	Connect a laptop using a single cable for video, touch, data and charging. Supports up to 65W charging.
HDMI Out	Connect the display to another screen (such as a projector or monitor) to mirror content. Available on selected input sources.
USB-A 2.0	Connect accessories such as a keyboard, mouse or USB drive.
USB-A 3.0	Connect high-speed USB devices such as external storage or peripherals.
RS232	Used for advanced control systems to remotely manage the display (e.g. power and volume control).
LAN	Connect to a wired network for internet access and network features.
SPDIF	Connect to external audio systems using optical cable for high-quality digital sound.
Audio In	Connect an external audio source to play sound through the display.
Audio Out	Connect external speakers or sound systems.

Item	Description
AC Switch	Turns the main power on or off ("I" = On, "O" = Off).
AC in	Connect the power cable to supply power to the display.



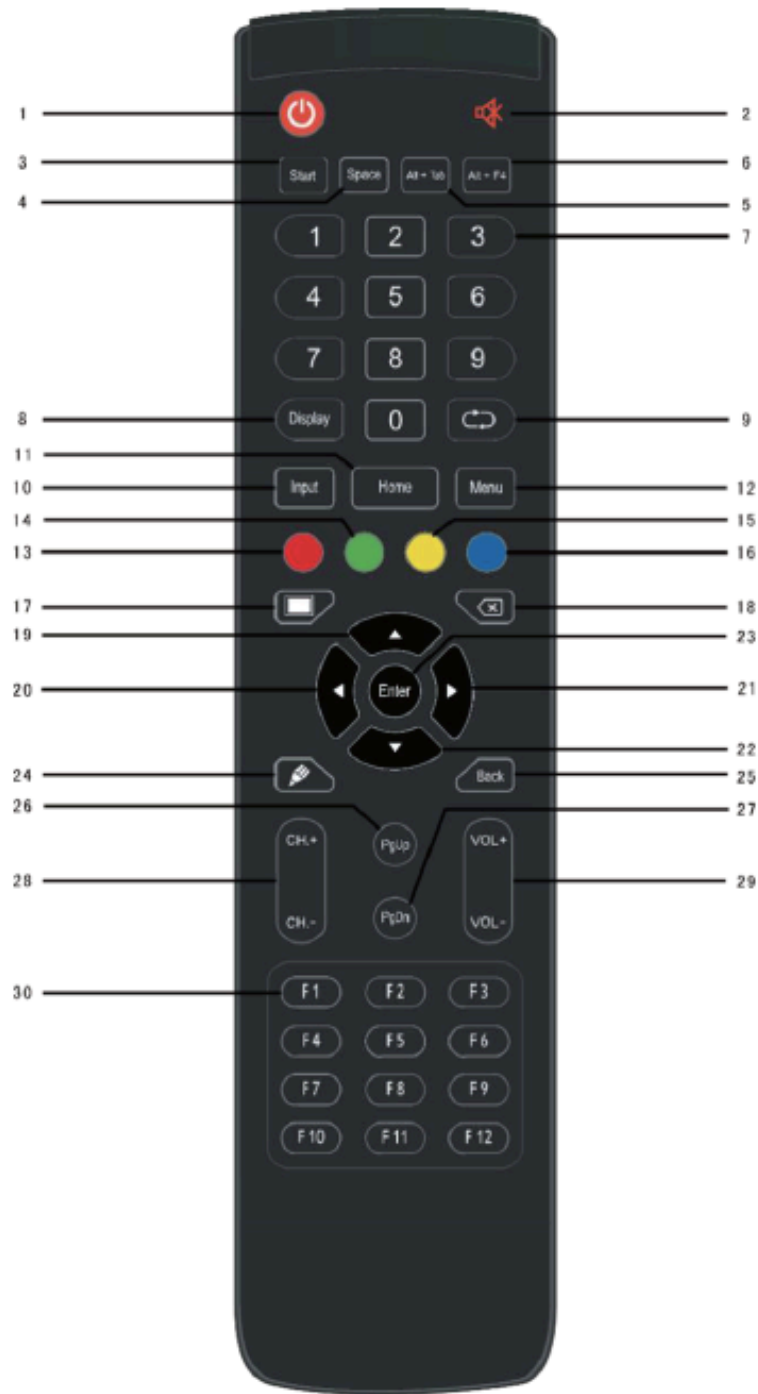
Remote Control

Battery Installation

- Insert 2 x AAA batteries
- Ensure correct polarity
- Do not mix old and new batteries

Range of the remote control

The remote control works up to 8 metres away and within 30 degrees to the left or right of the remote sensor.



Button	Function
	Turn the screen on or off
	Mute or unmute audio
Start	Acts as Windows key (when PC connected)
Space	Space key (PC mode)
Alt + Tab	Switch between applications (PC mode)
Alt + F4	Close active window (PC mode)
Numeric Keys (0–9)	Enter numbers
Display	Show current input/source information
	No function
Input	Open input/source selection menu
Home	Return to main screen
Menu	Open settings menu
Red	No function
Green	No function
Yellow	No function

Button	Function
Blue	No function
	Turn screen backlight on/off
	Delete (PC mode)
	Navigate up
	Navigate left
	Navigate right
	Navigate down
Enter	Confirm selection
	No function
Back	Return to previous screen
Page Up	Scroll up a page
Page Down	Scroll down a page
CH+ / CH-	No function
VOL+ / VOL-	Increase or decrease volume
F1 – F12	Function keys (PC mode only)

Chapter 3: Getting Started

Power On

- Connect power cable
- Turn on rear power switch
- Press and hold power button

Making Connections

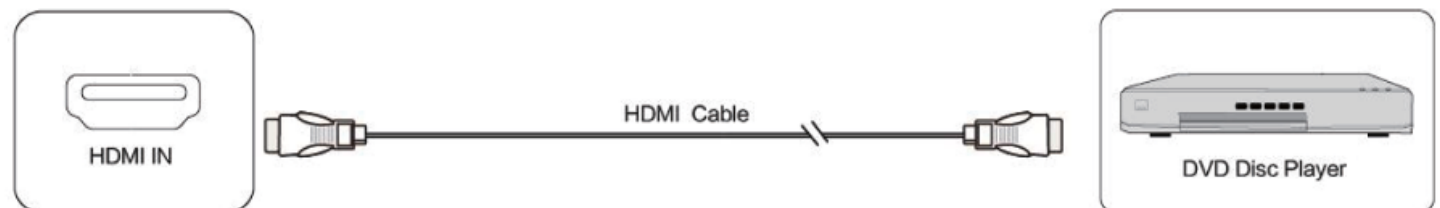
Always connect cables **before powering on**

Connect a Laptop (USB-C – Recommended)

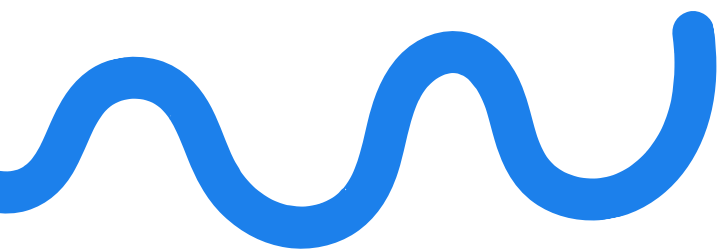


- 1. Connect USB-C cable to your device
- 2. Turn on the display
- 3. Turn on your laptop
- 4. Press Input
- 5. Select USB-C

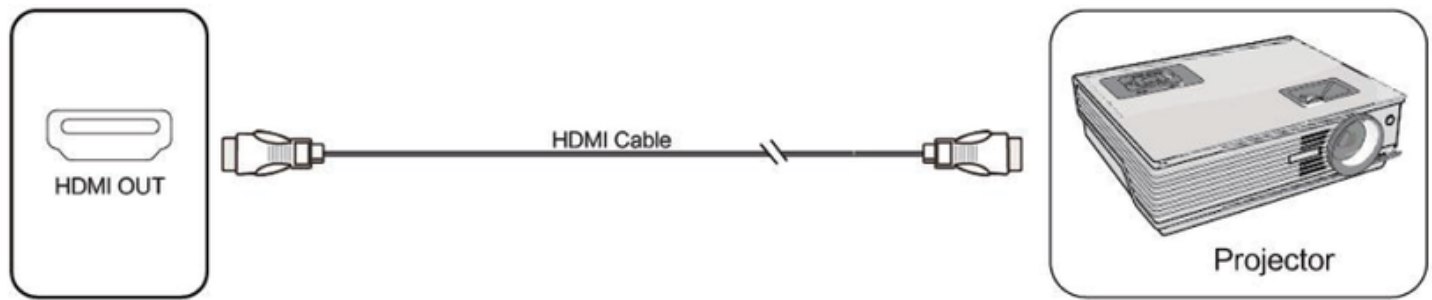
Connect via HDMI



- Connect HDMI cable
- Turn on the display
- Press Input
- Select the correct HDMI source

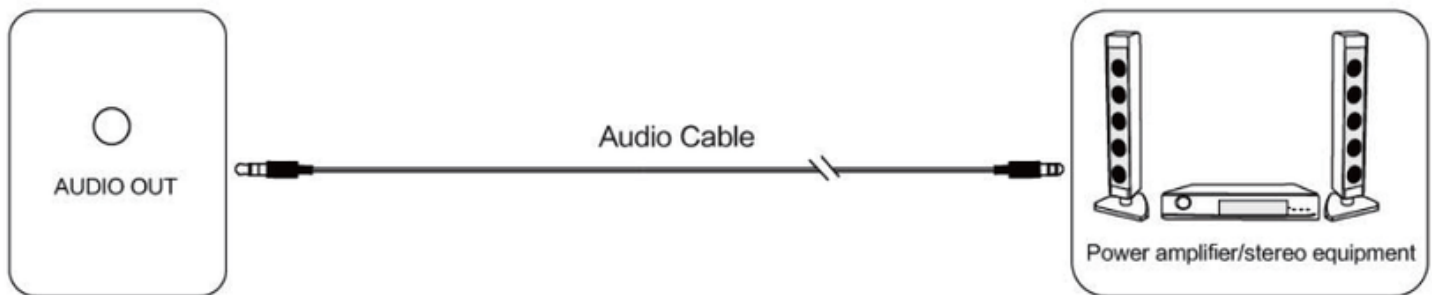


HDMI Output (Display to Display)



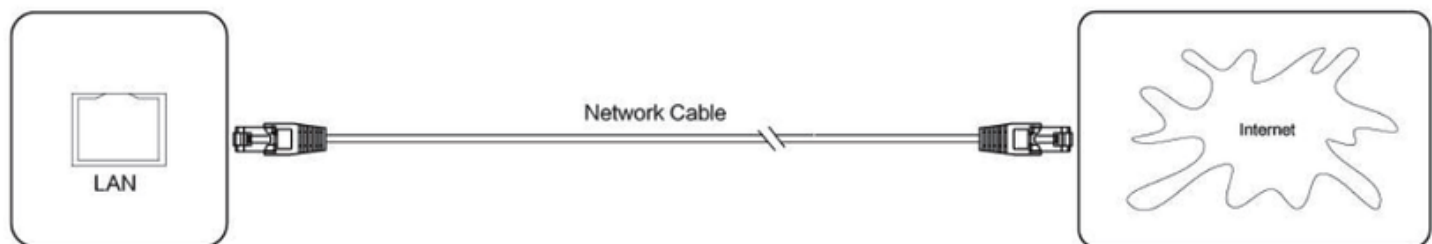
- Connect HDMI OUT to another screen or projector
- Mirror supported sources only

USB Devices



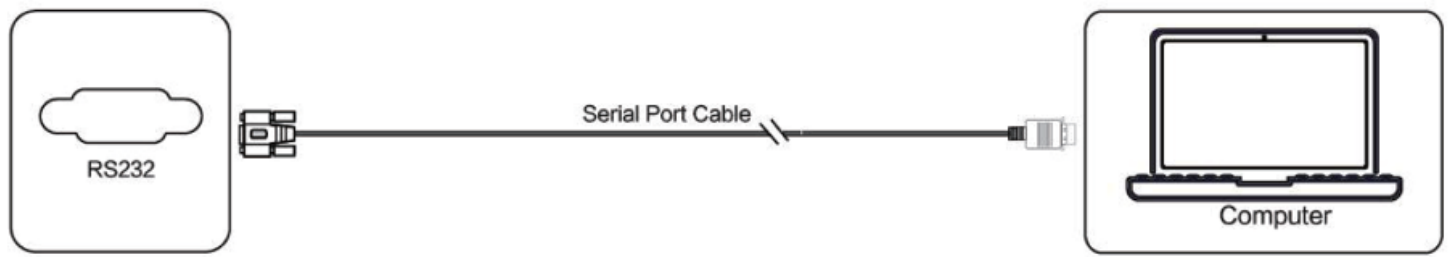
- Plug in USB drives, keyboard or mouse
- Access files via the display

Network (LAN)



- Connect Ethernet cable
- Enables internet and network features

RS232 (Advanced)



1. Used for control systems
2. Allows remote control of:
 - Power
 - Volume
 - System commands

Using wireless screensharing

The CommBox Intelligent Display Gen2 comes installed with CommBox Connect. CommBox Connect gives you several options for connecting your personal devices wirelessly to the CommBox. Native Screensharing protocols (Miracast, Airplay and Chromecast) as well as the CommBox Connect App you can install directly onto your personal device.

The native protocols allow you to screenshare without installing an app on your personal devices and is great for guests who need to cast, share, and present.

How to Connect using Native Screensharing

Windows PC – Miracast

Windows PC's have Miracast, a peer-to-peer device sharing protocol, installed into the devices. To connect your windows laptop or device to the CommBox you need to:

- Select Windows K on your keyboard
- Find the device name in the list of the devices that you want to connect to.
- Select connect
- Select touch input

Apple iOS and Mac – Airplay

- Open Screen Mirroring
- Find the device
- Starting mirroring

Chromecast – Android devices

- Go to Utility Menu
- Click on Cast
- Find the device
- Select Cast

How to Connect using the CommBox Connect App

Download the CommBox Connect App to your personal Device.

<https://cc.commbox.com.au/downloads>

Open the CommBox Connect app on your computer. Click on the name of the device you want to connect to, or enter the 6 digit code shown on the device.

Screenshare

Once connected, click screenshare to share your screen.

Desktop Sync

Alternatively, click desktop sync to share the CommBox screen back to your computer, you can control the screen completely from here.

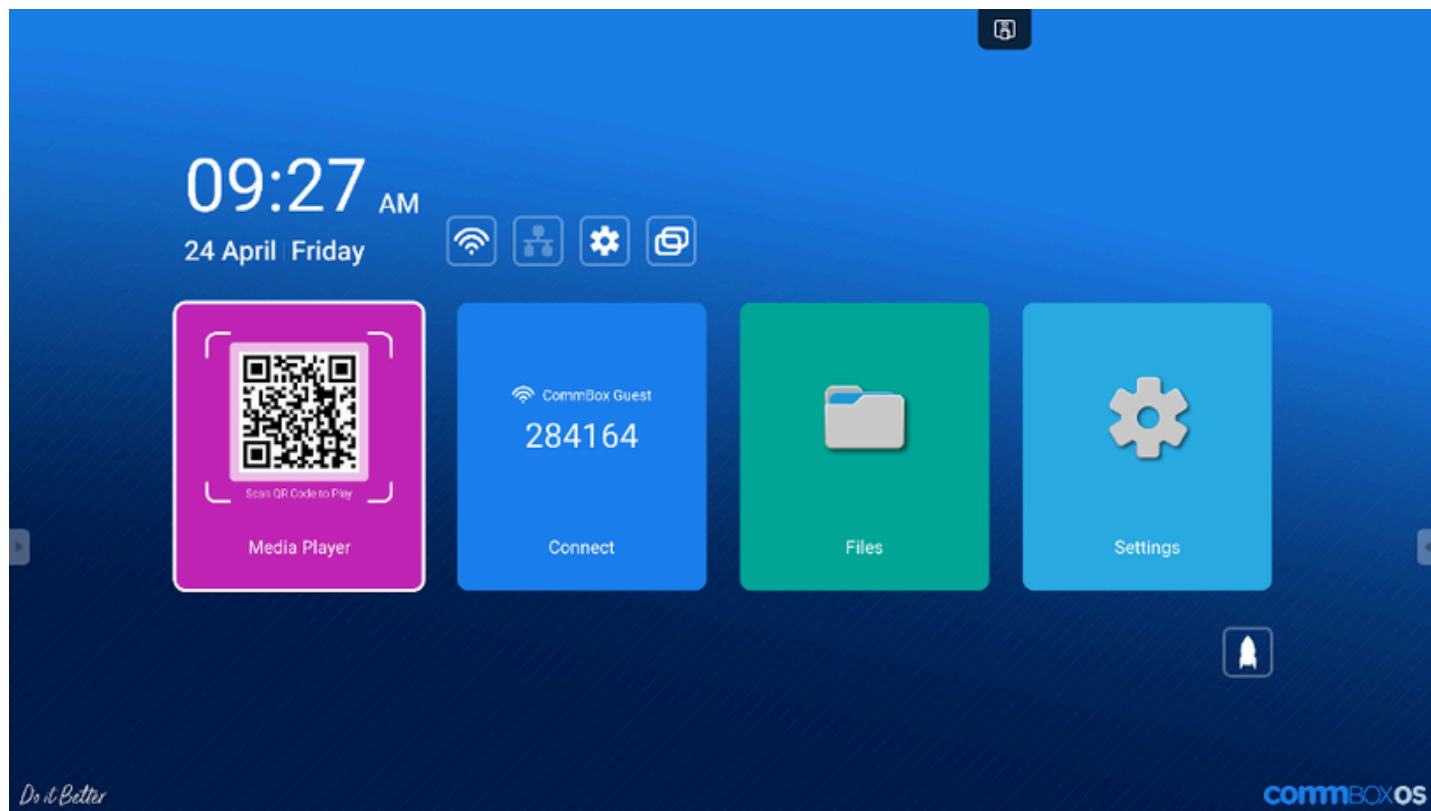
To learn more about CommBox Connect, see the user guide on our website.

<https://www.commbox.com.au/commbox-connect>



Chapter 4: Operating Your Display

Home Screen



What you'll see

- **Time and Date**

Displayed at the top of the screen for quick reference.

- **Quick Access Icons**

Located along the top, providing shortcuts to commonly used features such as:

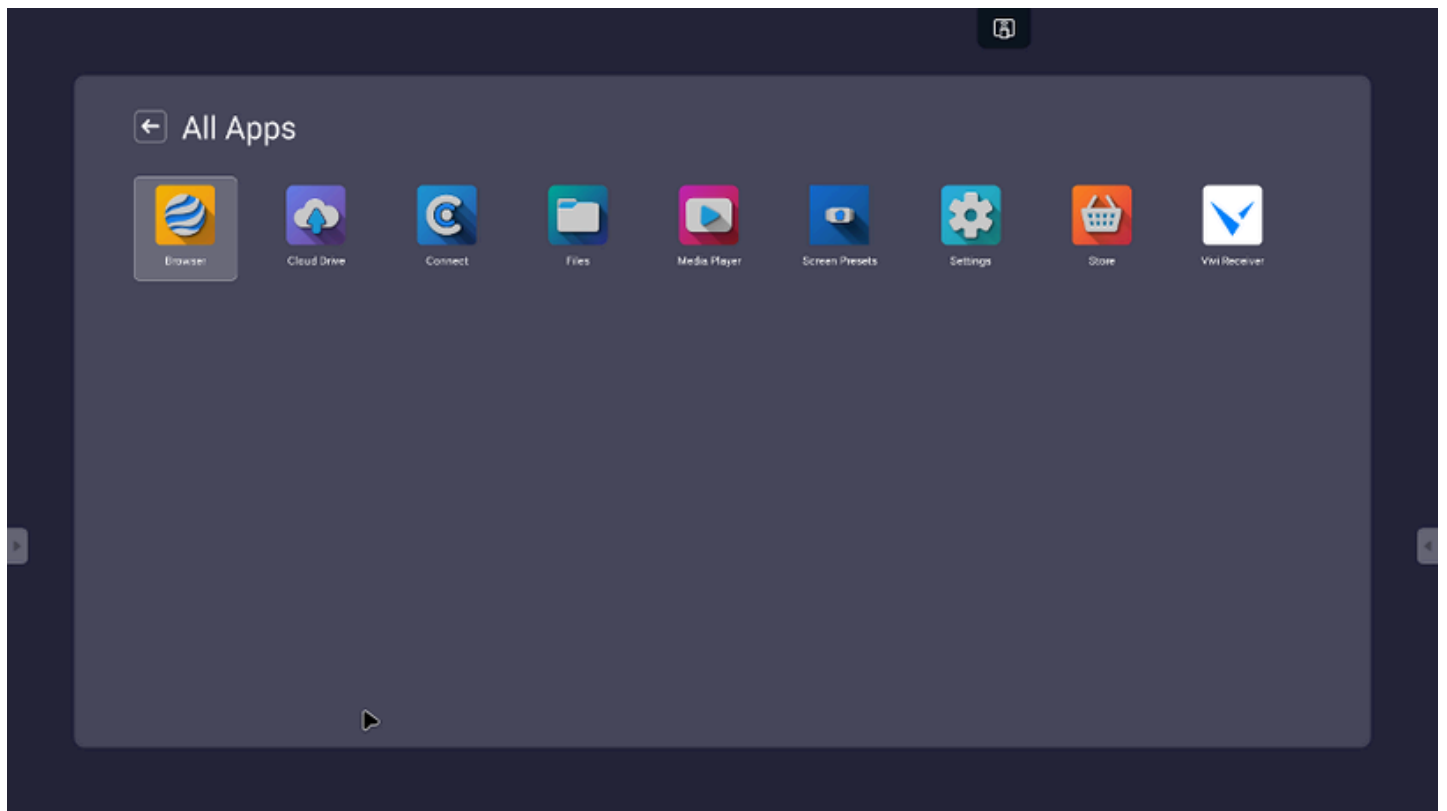
- Network settings
- Device connections
- Settings
- Hotspot

- **App Tiles**

Large, easy-to-use tiles give you quick access to key functions:

- **Media Player** – Play content by scanning a QR code or accessing media
- **Connect** – Wirelessly share your screen using the displayed code
- **Files** – Access files from USB or internal storage
- **Settings** – Open the settings menu
- **Launcher** – Open the launcher to see all available apps on this device

App Launcher



The App Launcher displays all apps installed on your CommBox display in one place.

What you can do

- **View all apps**
See every available app, including built-in tools and installed applications.
- **Open apps**
Tap any app to launch it.
- **Access key features**
Quickly find commonly used apps such as:
 - Browser
 - Connect (screen sharing)
 - Files
 - Media Player
 - Settings
 - Store



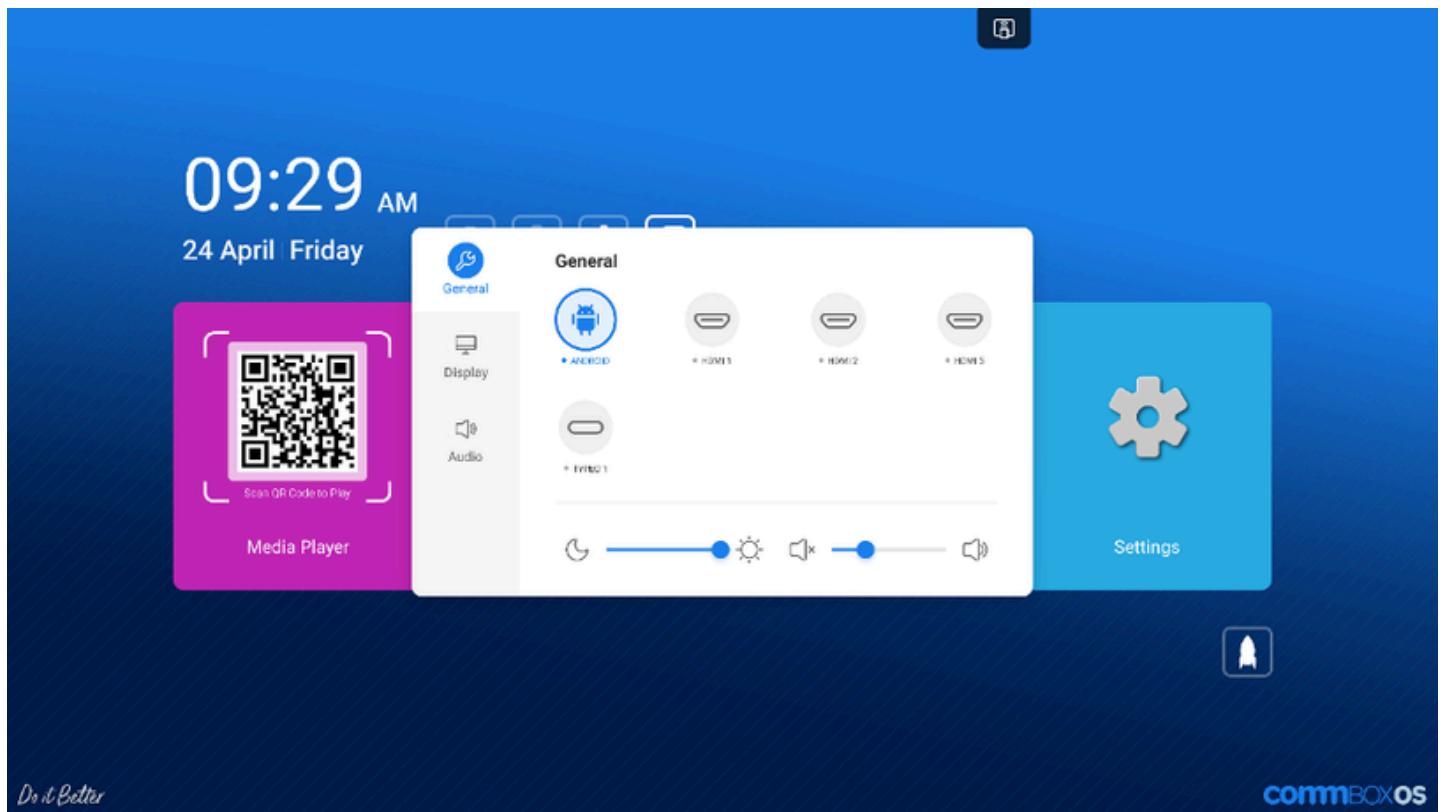
The CommBox Store allows you to browse, download and install apps directly onto your display.

What you can do

- **Browse apps**
Explore a range of apps designed for education, business and productivity.
- **Install apps**
Download and install apps to expand the functionality of your display.
- **Update apps**
Keep installed apps up to date with the latest features and improvements.



Inputs Menu



The Input menu allows you to quickly select and manage the source being displayed on your screen.

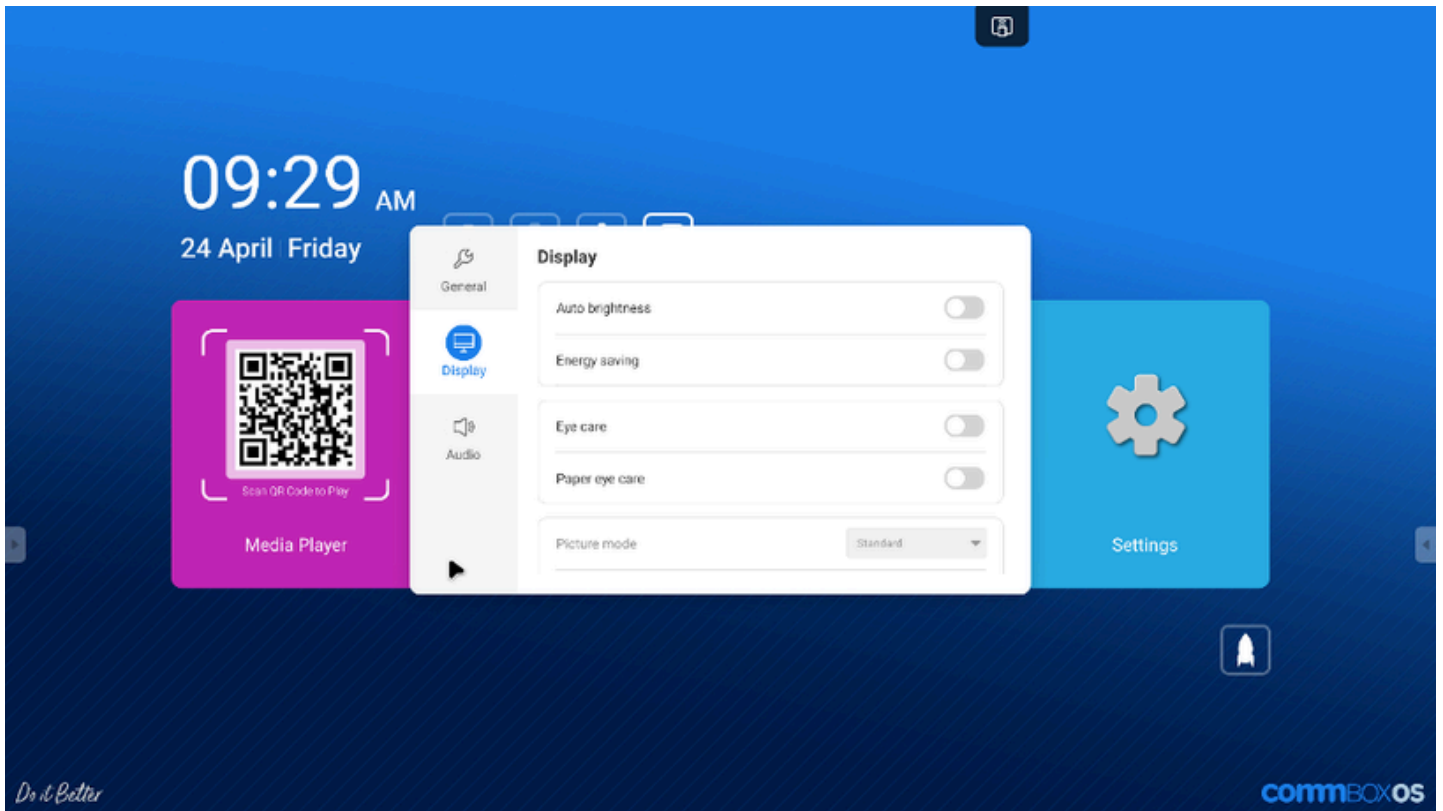
From this menu, you can switch between:

- Android (built-in system)
- HDMI inputs (e.g. laptop, media player)
- USB-C input (for single-cable connection with touch and video)

What you can do

- Switch input source
Easily change between connected devices such as a laptop, external PC or the built-in Android system.
- Adjust brightness
Use the brightness slider to quickly increase or decrease screen brightness.
- Adjust volume
Control the audio level for the selected input.
- Quick access to settings
Navigate to Display or Audio settings for more advanced adjustments.

Display Menu

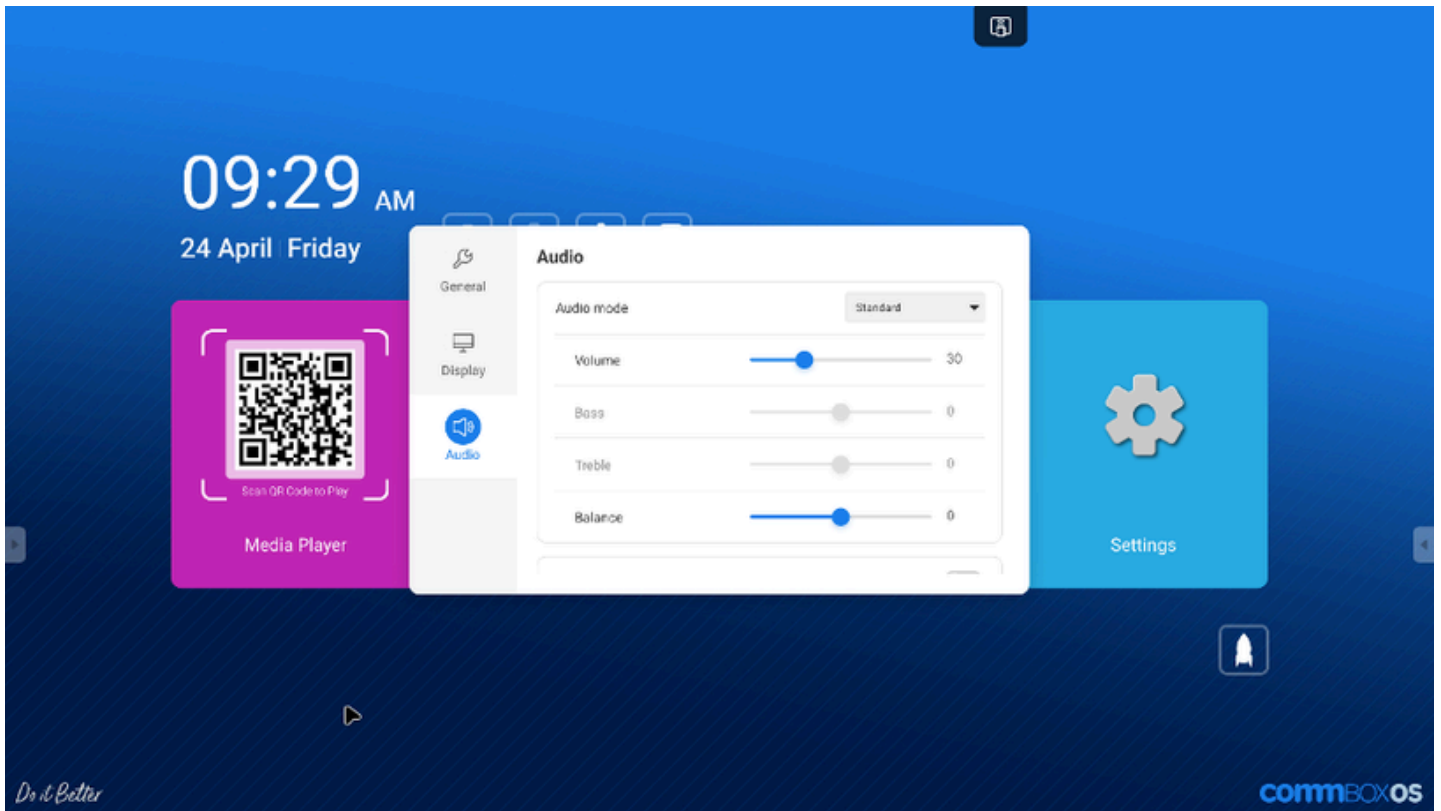


The Display menu allows you to adjust how content appears on the screen, helping you optimise visibility, comfort and energy use.

What you can configure

- **Brightness settings**
Enable Auto Brightness or manually adjust screen brightness.
- **Energy saving**
Reduce power consumption by lowering screen brightness and performance.
- **Eye care modes**
Enable features designed to reduce eye strain, including blue light reduction and paper-style viewing modes.
- **Picture mode**
Choose a preset display mode (e.g. Standard) for different environments.
- **Colour temperature**
Adjust the warmth or coolness of the screen colours.
- **Advanced settings**
Access additional display options such as colour space, HDMI range and image protection features (e.g. pixel shift).

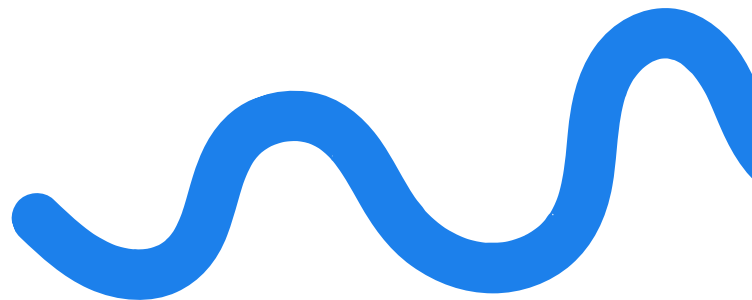
Audio Menu

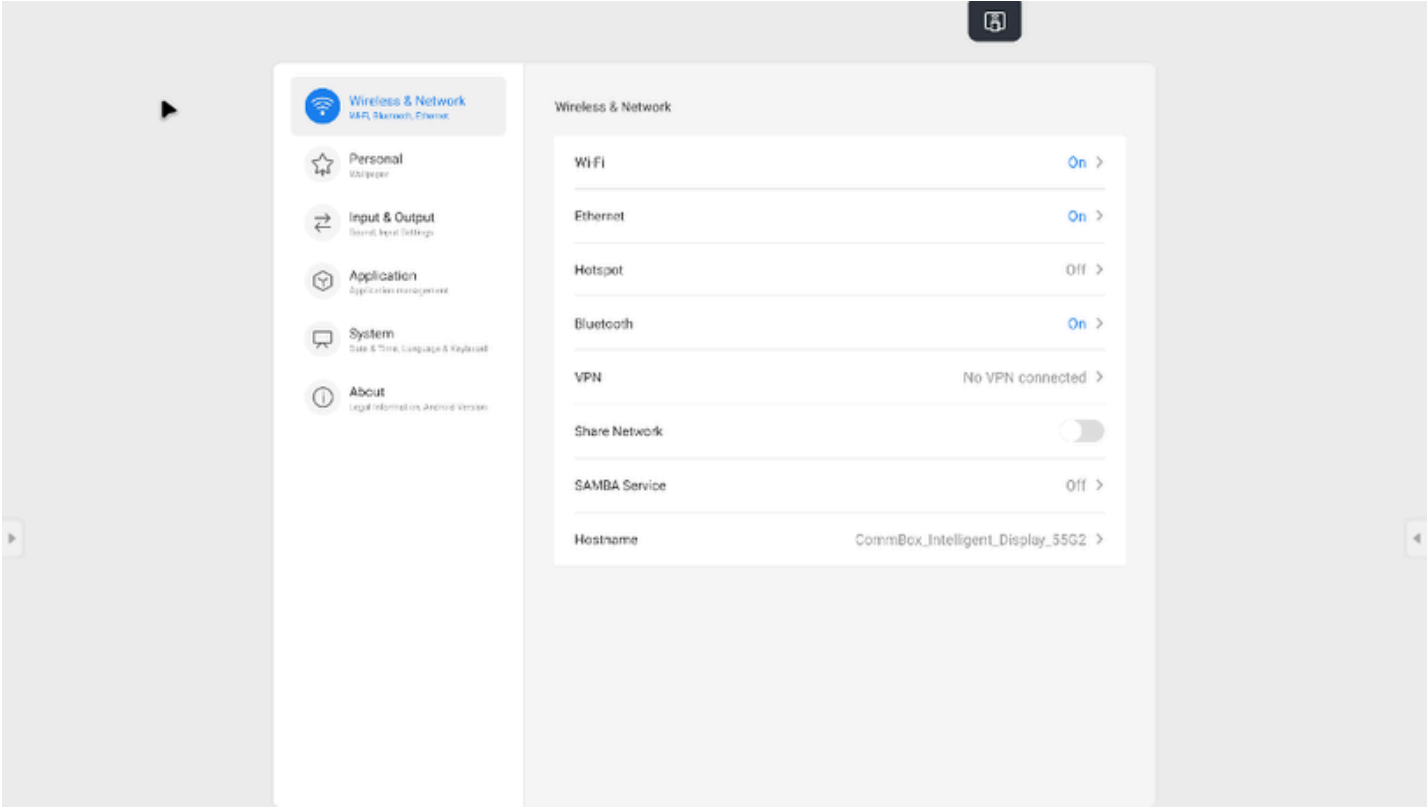


The Audio menu allows you to control sound output and fine-tune audio settings for your environment.

What you can configure

- Audio mode
Select a preset sound profile
- Volume
Adjust the overall sound level.
- Bass and Treble
Fine-tune low and high frequencies for clearer audio.
- Balance
Adjust sound output between left and right speakers.
- Mute
Quickly turn sound on or off.

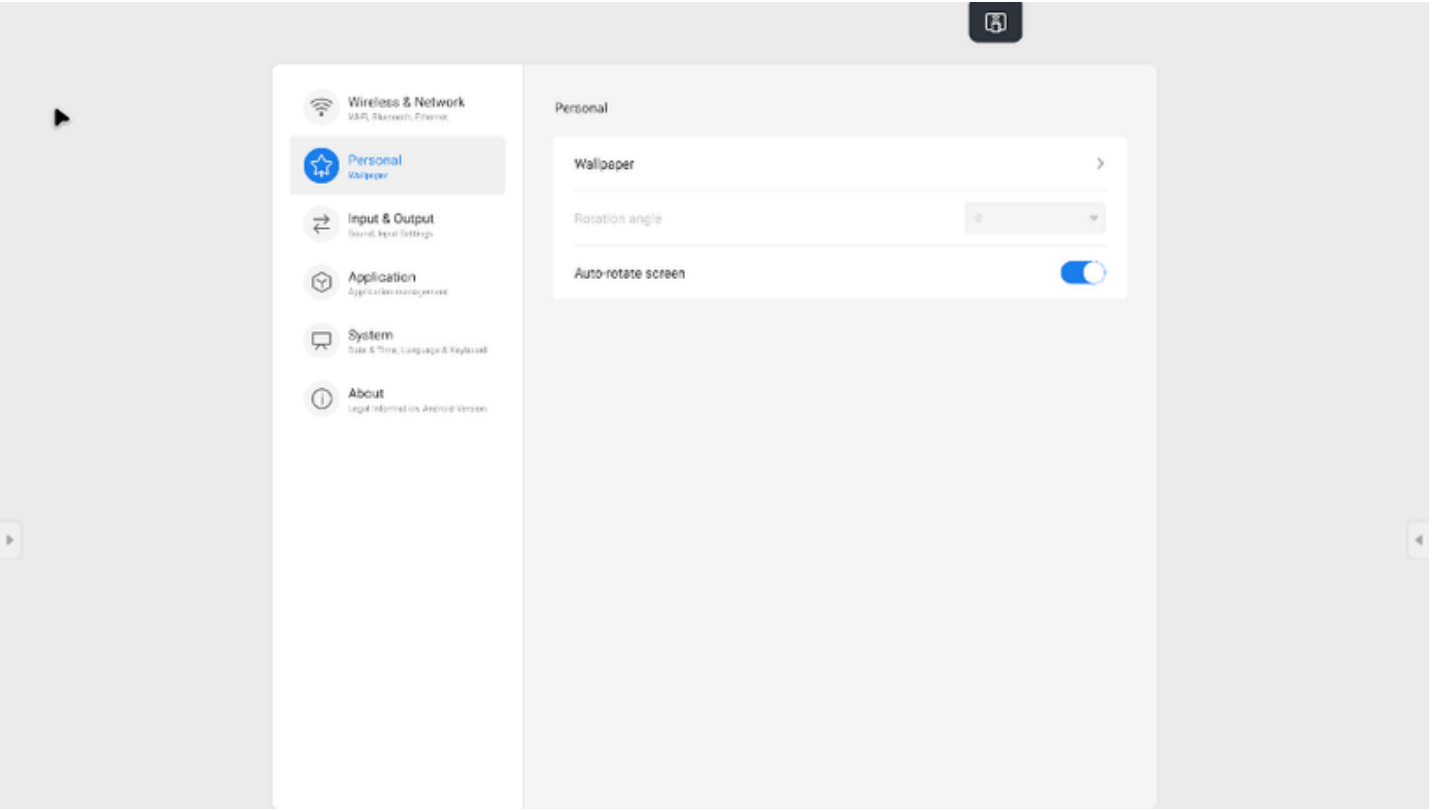




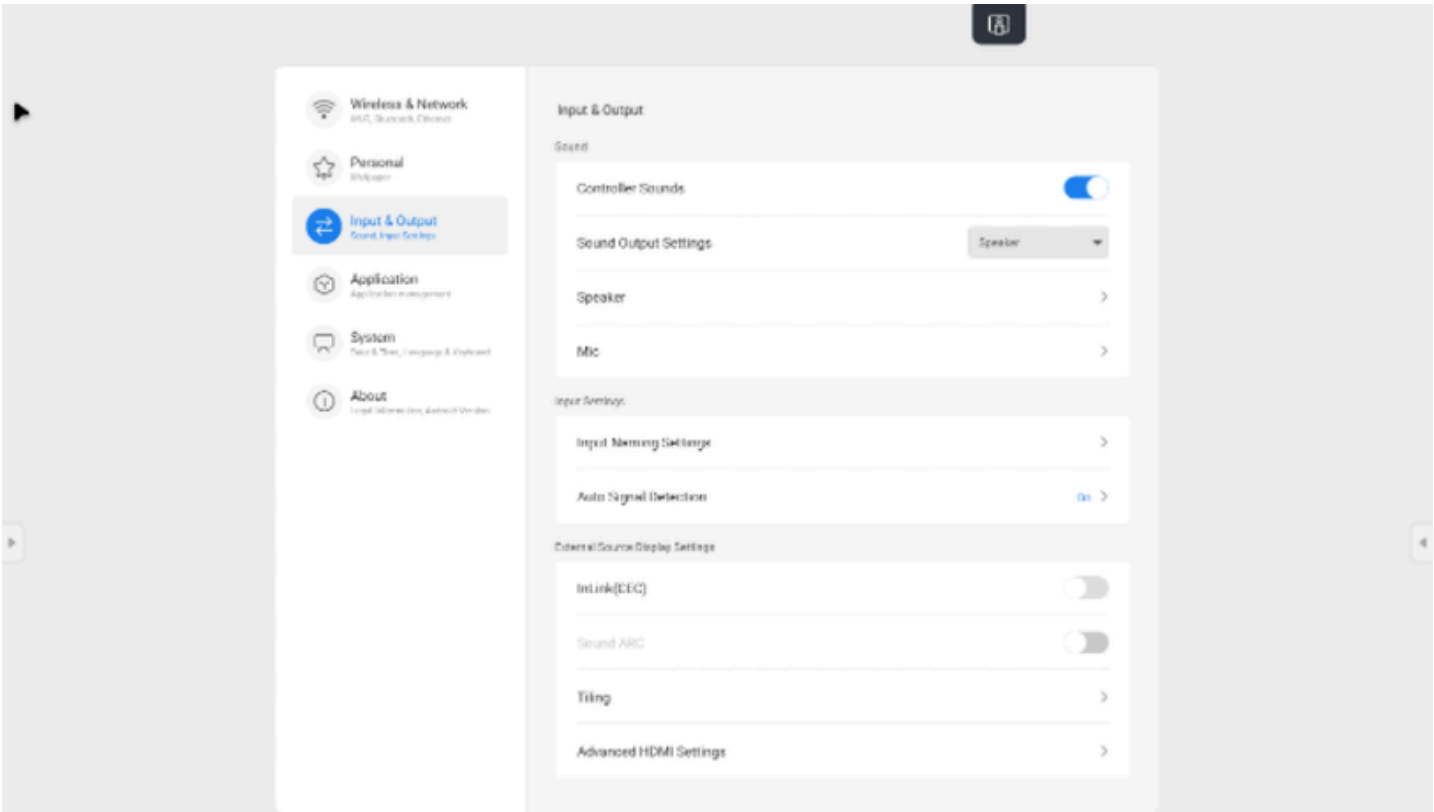
Setting	Description
Wi-Fi	Connect the display to a wireless network. Enter the submenu to configure the settings further.
Ethernet	Shows the status of a wired network connection. Enter the submenu to configure the settings further.
Hotspot	Turn the display into a wireless hotspot for other devices.
Bluetooth	Connect wireless devices such as keyboards, speakers or headphones.
VPN	Set up a secure network connection.
Share Network	Share the display’s network connection with connected devices.

Setting	Description
SAMBA Service	Allows file sharing over the network (for advanced/IT use).
Hostname	The name of the display on the network (useful for identification).

Personal



Setting	Description
Wallpaper	Change the background image of the display.
Rotation Angle	Set the screen orientation (used for portrait or landscape setups).
Auto-Rotate Screen	Automatically adjusts screen orientation when rotated.



Sound settings

Setting	Description
Controller Sounds	Enable or disable system sounds (e.g. touch feedback).
Sound Output Settings	Choose where audio is played (e.g. built-in speakers or external device).
Speaker	Adjust speaker settings such as volume or balance.
Mic	Configure microphone input settings.

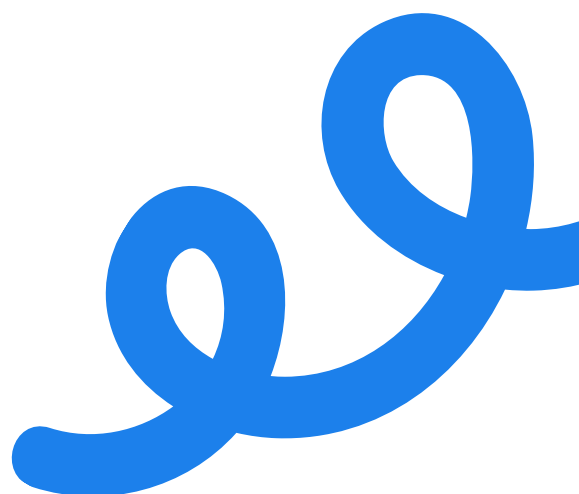


Input settings

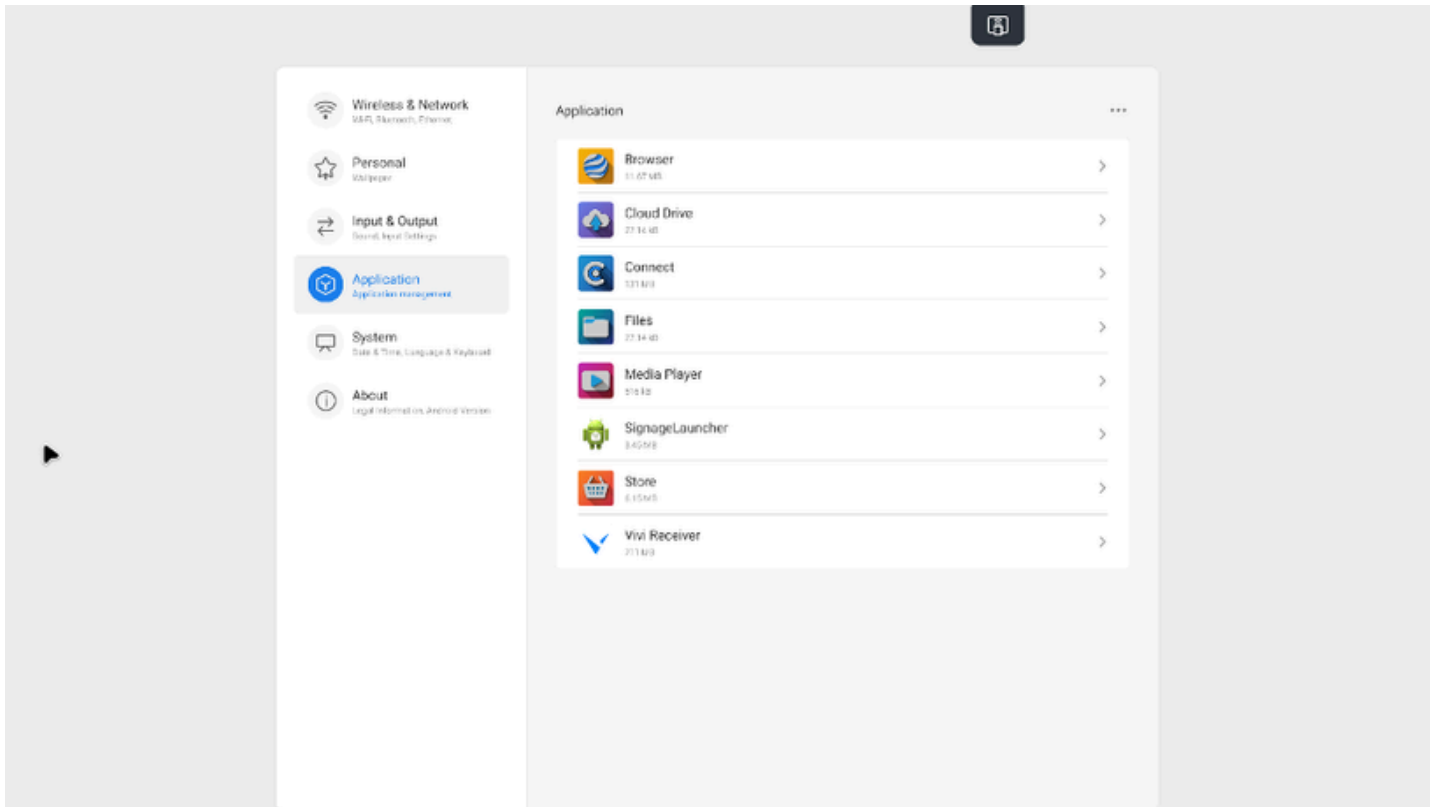
Setting	Description
Input Naming Settings	Rename input sources.
Auto Signal Detection	Automatically switches to an active input when detected.

External Source Display Settings

Setting	Description
InLink (CEC)	Allows connected HDMI devices to control the display (e.g. power on/off).
Sound ARC	Sends audio back through HDMI to a connected audio device (if supported). Use HDMI 1 for Sound ARC.
Tiling	Used for video wall setups across multiple screens.
Advanced HDMI Settings	Additional HDMI configuration options.



Application

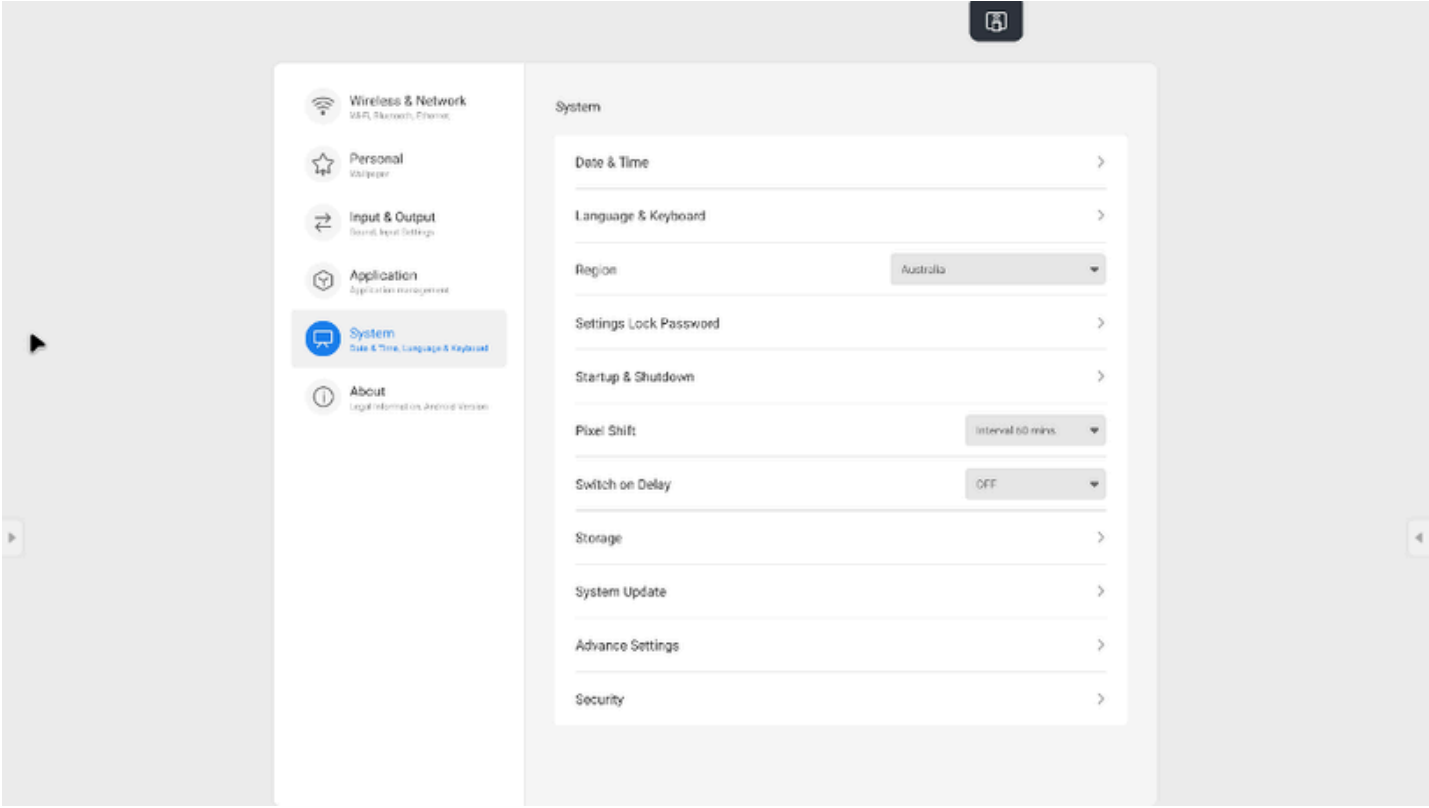


Manage all apps installed on the display. From here, you can view app details and control how each app behaves.

You can:

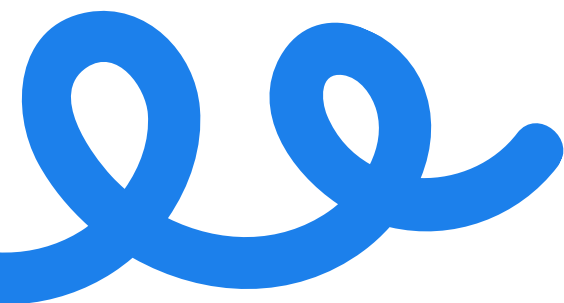
- Force stop apps if they're not responding
- Uninstall or disable apps
- Manage app permissions (e.g. camera, microphone, storage)
- Control app notifications
- View and clear storage usage

This section is useful for troubleshooting apps, managing storage, and controlling access to features on the display.



Setting	Description
Date & Time	Set the system date and time.
Language & Keyboard	Change display language and keyboard settings.
Region	Set the device region (affects formats and services).
Settings Lock Password	Set a password to restrict access to settings.
Startup & Shutdown	Configure automatic power on/off times. Including Power Scheduling
Pixel shift	Slightly moves the image to reduce screen burn-in.
Switch On Delay	Delay startup when powering on multiple screens.

Setting	Description
Device Name	The name of the display (used for network and casting).
Model Number	Display model identifier.
Android Version	Version of the operating system.
Kernel Version	System-level software version (advanced info).
Build Number	Firmware build version.
Firmware Version	Current firmware installed on the display.
Serial Number	Unique identifier for the device.
Compliance Version	Certification and compliance version.



Chapter 5: Troubleshooting

Issue	What to Check	Solution
Display won't turn on	Power cable, power switch, power source	Ensure the power cable is securely connected and the power switch is ON. Check for power outages.
Remote not working	Batteries, obstructions, signal path	Replace batteries, ensure correct orientation, and remove any objects blocking the receiver.
No signal / no picture	Cable connection, input source, device power	Check all cables are securely connected. Select the correct input source and ensure the connected device is turned on.
Display turns off automatically	Sleep settings, signal status	Check if sleep mode is enabled. The display may turn off if no signal is detected for several minutes.
Poor image quality	Resolution, display settings	Adjust brightness, contrast, and colour settings. Set the device to the recommended resolution and use auto correction if available.
Image flickering or lines	Cable quality, interference	Check cables are secure and not damaged. Move away nearby electronic devices that may cause interference.
No sound	Volume, mute, audio connection	Ensure the display is not muted and volume is turned up. Check audio cables and source device settings.
Sound from only one speaker	Audio balance, source settings	Adjust audio balance in settings. Check the connected device's sound output configuration.
HDMI output has no sound	External device connection	Confirm the external display or device supports audio output and is properly connected.

Maintenance

Cleaning the Screen

- Use a soft microfibre cloth
- Do not allow liquid to enter the display

Cleaning the Frame

- Wipe with a dry, lint-free cloth

Long-Term Storage

- Unplug during extended non-use
- Protect from power surges

Regular maintenance helps keep your display performing like new.

Support

For additional help:

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commBOX
Do it better

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 support@commbox.com.au

 Log a Ticket: support.commbox.com.au