

USER MANUAL

OUTDOOR LCD MONITOR



LCDO-BVC32	LCDO-BVC55
LCDO-BVC43	LCDO-BVC65
LCDO-BVC49	LCDO-BVC75

For more information, please visit:
bv-collective.com/resources

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Rev 03242025

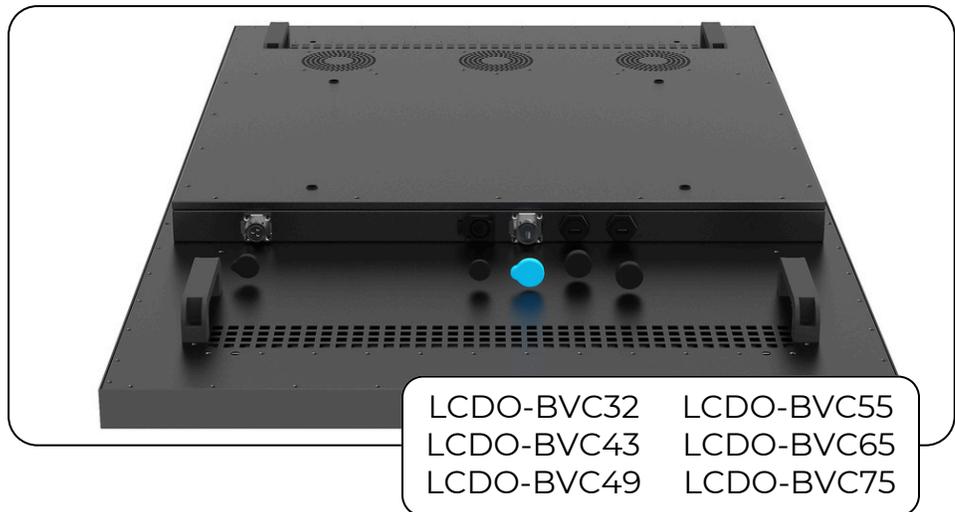
PREFACE

This installation manual provides guidelines for set up and mounting the BVC Outdoor LCD monitor product. It does not account for specific variables such as the type or condition of the mounting surface, structural integrity, or electrical wiring requirements. Users are responsible for ensuring that the installation environment meets all necessary safety and structural standards. BoundlessView Collective, Inc. is not liable for any damages or injuries resulting from installations that do not adhere to local building codes, safety regulations, or the instructions provided herein.

SAFETY PRECAUTIONS

- Personal Protective Equipment (PPE):** Wear appropriate PPE, including gloves and safety glasses, during installation
- Electrical Safety:** Ensure all electrical connections comply with safety standards to prevent hazards.
- Load Capacity:** Verify that the mounting surface and hardware can support the monitor's weight, including any additional accessories.

By adhering to this guide, you can achieve a safe and effective installation of an exterior high-brightness LCD monitor across various surfaces.



SAFETY PRECAUTIONS



ELECTRICAL SAFETY

POWER SUPPLY REQUIREMENTS

Ensure the display is connected to a properly grounded 110/220 VAC outlet. Do not use damaged power cords or plugs, as this may result in fire or electric shock.

OVERLOADING PREVENTION

Do not overload power outlets or extension cords, as this could lead to overheating and increased fire risk.

OUTDOOR POWER CONNECTION

Use only weatherproof power outlets and connectors for outdoor installations. Exposed or non-weatherproof connections may lead to electrical hazards.



OPERATIONAL SAFETY

MAINTENANCE AND REPAIRS

Do not attempt to disassemble or repair the display yourself. Contact authorized service personnel for maintenance to avoid exposure to high voltage or other hazards.

OBJECT AND LIQUID ENTRY

Do not insert foreign objects into ventilation openings or spill liquids on the display. This may lead to short circuits, fire, or electric shock.

EMERGENCY POWER OFF

Ensure the power supply has an accessible disconnect switch for emergencies. Disconnect power immediately if the display shows signs of smoke, fire, or abnormal noise.



ENVIRONMENTAL SAFETY

WEATHER PROTECTION

The display is designed for outdoor use but should not be exposed to direct rainfall or submerged in water unless explicitly rated for such conditions. Use additional enclosures if necessary.

TEMPERATURE EXTREMES

Do not operate the display in temperatures outside its rated range. Extreme heat or cold can cause damage or reduce performance.

TEMPERATURE PROTECTION

For areas prone to lightning, ensure the display is properly grounded and connected to a surge protector to prevent damage from electrical surges.



GENERAL SAFETY

PUBLIC ACCESS

Ensure the display is installed out of reach of public access. Heavy displays can cause serious injury if they fall.

COMPLIANCE WITH REGULATIONS

Follow local electrical and safety codes during installation and operation to ensure compliance with regional regulations.

DISPOSAL

Dispose of the display in accordance with local environmental and electronic waste regulations.



TRANSPORT SAFETY

SECURE TRANSPORT

When transporting the display, ensure it is securely fastened to prevent tipping or falling. Use padded packaging to avoid scratches or cracks.

AVOID IMPACT

Do not subject the display to drops, impacts, or excessive vibration, as this may damage internal components.



INSTALLATION SAFETY

WEIGHT CONSIDERATIONS

Ensure that the display is installed on a surface or mount rated to hold at least 1.5 times the weight of the display (e.g., a 75-inch display weighing 250 lbs requires a mount rated for 375 lbs). Failure to do so may result in structural collapse and injury.

SAFE HANDLING

Ensure that the display is installed on a surface or mount rated to hold at least 1.5 times the weight of the display (e.g., a 75-inch display weighing 250 lbs requires a mount rated for 375 lbs). Failure to do so may result in structural collapse and injury.

VENTILATION

Ensure the display has adequate airflow on all sides. Do not block vents, as this could lead to overheating and reduced performance.

Read these instructions.
Keep these instructions.
Heed all safety precautions.
Follow all instructions



ADDITIONAL IMPORTANT SAFETY CONSIDERATIONS



SITE ASSESSMENT

Evaluate the mounting surface to determine its structural integrity and suitability for supporting the monitor's weight.



ENVIRONMENTAL FACTORS

Consider exposure to elements like sunlight, moisture, and temperature fluctuations. High-brightness LCDs exposed to direct sunlight can suffer from UV damage and increased internal temperatures due to infrared heat. Implementing UV-resistant materials and IR filtering can mitigate these effects.



PERMITS AND CODES

Ensure compliance with local building codes and obtain necessary permits before installation.



MAINTENANCE PLAN

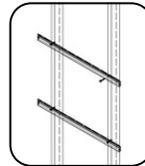
Establish a regular maintenance schedule to inspect mounting hardware and clean the monitor, especially if exposed to harsh environmental conditions.



BRICK OR MASONRY

Anchors: Use vibration-resistant stud anchors designed for concrete to secure the mounting bracket.

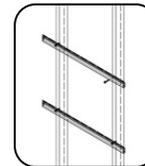
Drilling: Use a hammer drill with masonry bits to create precise holes for anchors.



WOOD STUDS

Stud Location: Utilize a stud finder to locate and mark the center of studs.

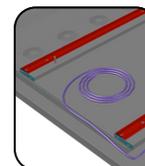
Fasteners: Use appropriate wood screws that penetrate at least 1.5 inches into the stud to ensure a secure hold.



STEEL BEAMS

Drilling: Use metal drill bits suitable for steel to create mounting holes.

Fasteners: Select bolts and nuts made of compatible materials to prevent galvanic corrosion.



CABLE MANAGEMENT

Routing: Organize cables to prevent tangling and potential damage.

Protection: Use weather-resistant conduits or raceways to shield cables from environmental exposure.

WARNING: This installation manual provides guidelines for assembling and mounting the LCD Wall Mount Kit. It does not account for specific variables such as the type or condition of the mounting surface, structural integrity, or electrical wiring requirements. Users are responsible for ensuring that the installation environment meets all necessary safety and structural standards. BoundlessView Collective, Inc. is not liable for any damages or injuries resulting from installations that do not adhere to local building codes, safety regulations, or the instructions provided herein.



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PRODUCT FEATURES

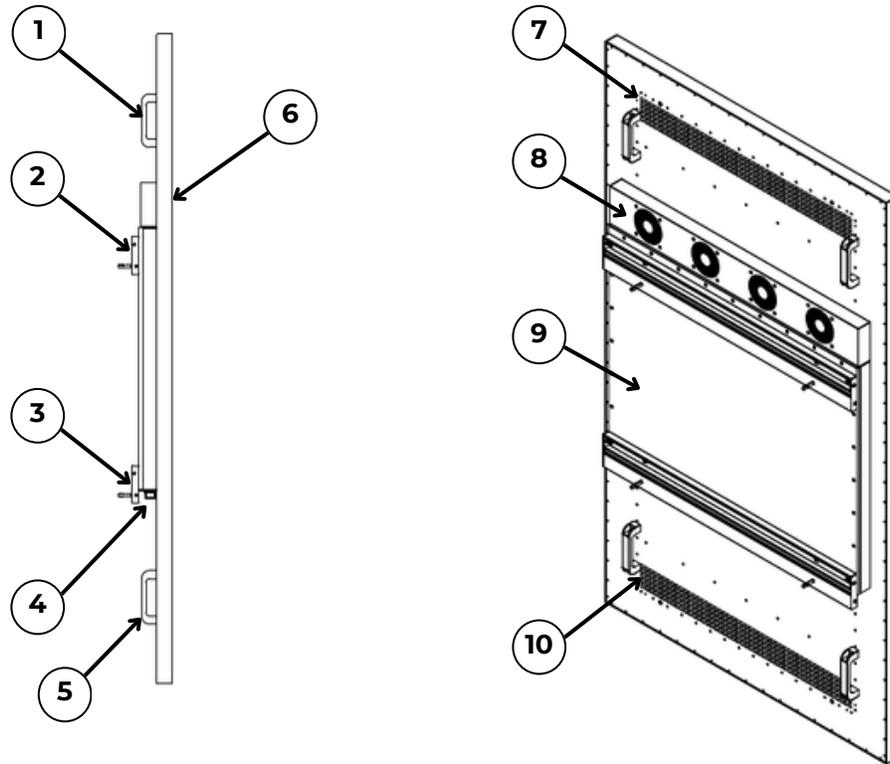


Diagram 1 : Display Anatomy

1.	Handle	Lifting handle used for installation. Can be removed if needed.
2.	Mount	1/2" Deep BVC top wall mounting bracket (sold separately)
3.	Mount	1/2" Deep BVC bottom wall mounting bracket (sold separately)
4.	Connectivity	Power, HDMI, USB (x2), RJ45, and Coax
5.	Handle	Lifting handle used for installation. Can be removed if needed.
6.	LCD Panel	Outdoor LCD monitor
7.	Exhaust	Hot air exhaust
8.	Fan	Intake fan cooling housing
9.	Component Panel	Housing for LCD control boards
10.	Exhaust	Hot air exhaust



PRODUCT CONNECTIVITY

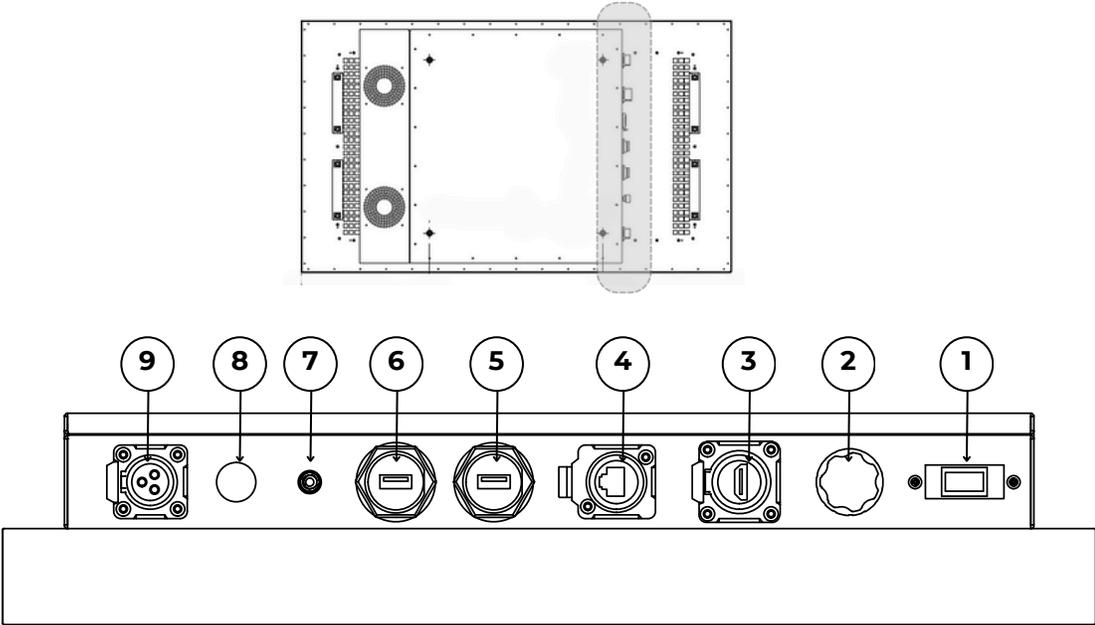


Diagram 2 : Display Connectivity

1.	Memory	MicroSD Card
2.	Brightness	Brightness override
3.	HDMI	Connect to a media device using HDMI
4.	RJ45	Connect to a multi-device control or Internet via LAN
5.	USB	Connect to a USB media, memory device, mouse or keyboard
6.	USB	Connect to a USB media, memory device, mouse or keyboard
7.	Audio Out	3.5mm audio speaker jack
8.	Coax Antenna	Connect to a coax antenna device
9.	Power	Connect to LCD power supply cable



PRODUCT INTERFACE OPTIONS

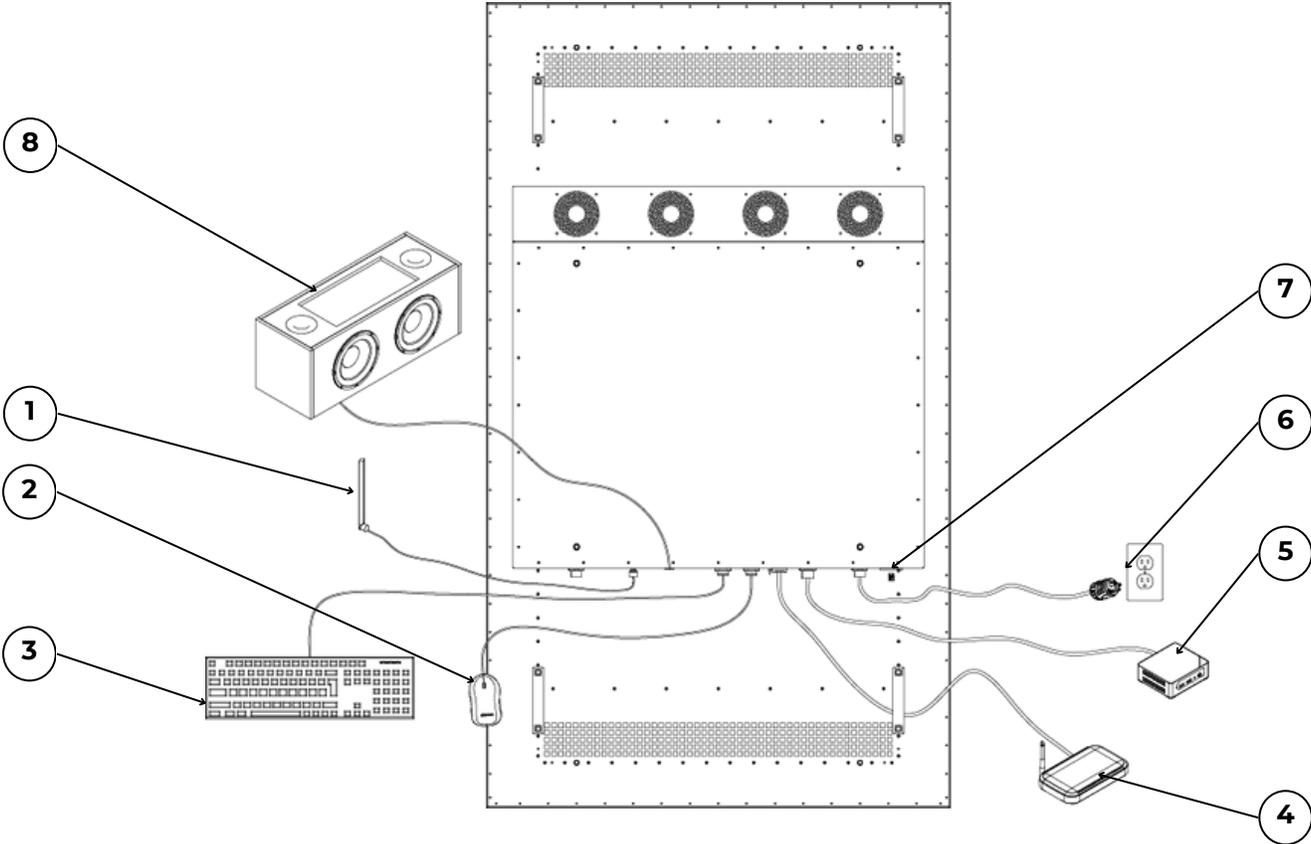


Diagram 3 : Interface Options

1.	Coax Antenna	Coax Antenna for External Wi-Fi Control *Built-in WiFi available on Android/Windows model
2.	Mouse	Mouse Control for Android/Windows interface and screen settings
3.	Keyboard	Keyboard Control for Android/Windows interface and screen settings
4.	Router	Router used to connect to network management device
5.	Media	Media Player shown. Any other HDMI output device as needed
6.	Nema 5-15	120VAC power plug (Supplied)
7.	Memory	MicroSD Card
8.	Audio	External Speakers - 3.5mm Audio Jack



HOW TO SET UP / CONTROL

Android 11 SOC displays function like a tablet and support touch-based interaction, signage applications, and CMS platforms.

1 UNBOXING & PHYSICAL SETUP

- Unpack the display and place it on a stable surface or wall mount following installation guidelines
- Ensure sufficient ventilation to avoid overheating.
- Identify the available ports on the display:
 - Power Input (AC 110/220V)
 - Ethernet (RJ45)
 - USB 2.0 & USB 2.0
 - HDMI (for external connections)

2 POWERING THE DISPLAY

- Plug the display into a properly grounded power outlet.

3 CONTROL CONNECTION

For added security, the display requires an external keyboard/mouse (or TeamViewer connection) to navigate the system menu:

- Using the USB ports as shown on page 8, connect your control peripherals.

4 NETWORK CONNECTION

Option 1: Ethernet (Recommended)

- Connect an Ethernet cable to RJ45 port.
- The display should automatically detect the connection.

Option 2: Wi-Fi Setup

- Open Settings > Network & Internet > Wi-Fi.
- Select your network and enter the password.

5 CONFIGURE ANDROID 11

Follow the Android Setup Wizard:

5 CONFIGURE ANDROID 11, CONT.

- Choose language & region.
- Connect to Wi-Fi or Ethernet.
- Sign in with a Google account (optional).

Enable automatic updates in Settings > System > System Updates.

6 CONFIGURE DISPLAY SETTINGS

Screen Rotation - Android SOC supports 0°, 90°, 180°, and 270° rotations.

- Open Settings > Display.
- Select Rotation Settings or Screen Rotation.
- Choose one of the following:
 - 0° (Landscape default)
 - 90° (Portrait mode)
 - 180° (Upside-down)
 - 270° (Reverse portrait)
- Check for Rotation Lock in Quick Settings

Adjusting Display Brightness

- Go to Settings > Display > Brightness.
- Adjust the slider to set brightness.
- Enable Auto-brightness (if supported) to adjust based on ambient lighting.

7 INSTALL & RUN SIGNAGE APPS

- Use built-in File Manager to load media from USB.
- Install third-party signage apps, ex:
 - Xibo for Android
 - NoviSign
 - ScreenCloud
- Use the CMS Web Interface to:
 - Upload images, videos, and interactive content.
 - Set playback schedules.
 - Adjust screen layouts.



HOW TO SET UP KIOSK MODE

Kiosk Mode is a useful way for digital signage, interactive kiosks, or dedicated terminals to present a specific website or a specific web app as fixed content on the display.

1 ENABLE DEVELOPER OPTION (OPTIONAL)

For advanced debugging or third party kiosks apps, if needed:

- Go to Settings > About Device
- Tap Build Number seven times to unlock Developer Mode.

2 PIN CHROME APP

- Launch Chrome and navigate to the desired webpage.
- Open Recent Apps (usually the square or swipe-up gesture).
- Tap the Chrome window icon at the top, then select Pin (or Lock in some OEM versions).
- This pins Chrome on-screen, preventing standard navigation away from it.

3 USE CHROME COMMAND LINE (IF SUPPORTED)

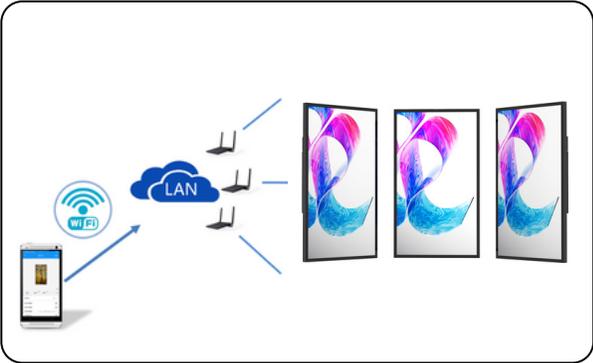
Some Android devices allow advanced flags similar to Windows. This often requires a third-party kiosk-launcher app:

- Look for “kiosk mode” options in the app’s settings to auto-launch Chrome in full screen.

4 TO EXIT KIOSK MODE

- Press and hold Back + Recent Apps (varies by device) or follow on-screen prompts to unpin the app.

LEDART CONTENT MANAGEMENT APP



SYSTEM REQUIREMENTS

Android 4.0 or higher
iOS 7.0 or higher

CONTROL ONE OR MULTIPLE DISPLAYS

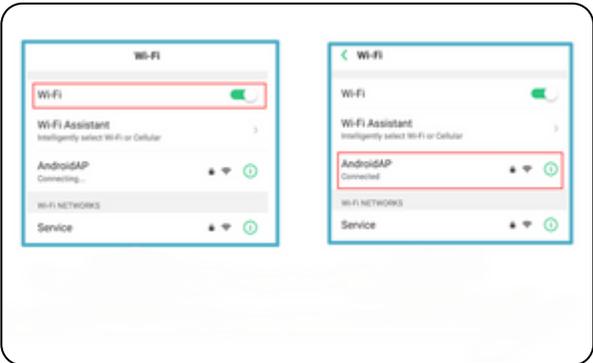
To use LAN, connect directly with network cables. To use Wi-Fi, set up wireless connection. Ensure displays and device are on the same Wi-Fi network.



STEP 1: SCAN QR CODE TO DOWNLOAD LEDART APP

Users can also search for “LEDArt” downloads in the Google Play Store. After downloading, install by default.

To Uninstall, press and hold the Screen Control icon until the “Delete” icon appears. Then drag to delete.



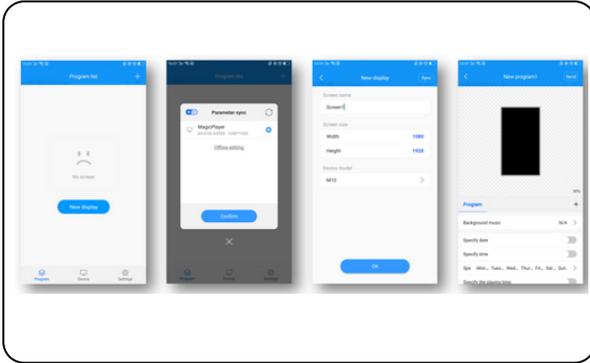
STEP 2: TURN ON AND CONNECT WIFI

Open the LEDArt App, select the DEVICE module. Click FIND MACHINE and connect to the corresponding ANDROIDAP.

You can also connect to the ANDROIDAP in your device Settings, as shown.

NOTE, if using a network cable to connect to the LAN, skip this step.

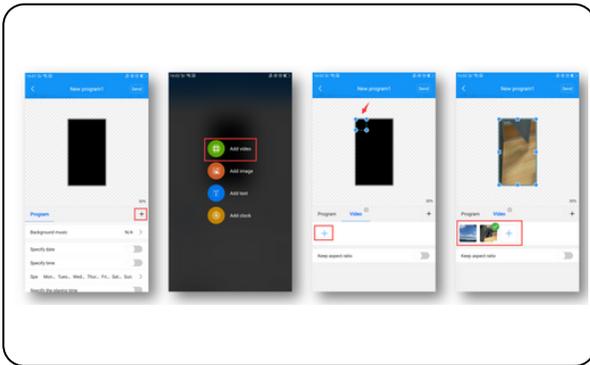
LEDART CONTENT MANAGEMENT APP



STEP 3: CREATE A NEW PROGRAM

Select the PROGRAMS module, click NEW DISPLAY to search the online controller and confirm screen size resolution. Click OK.

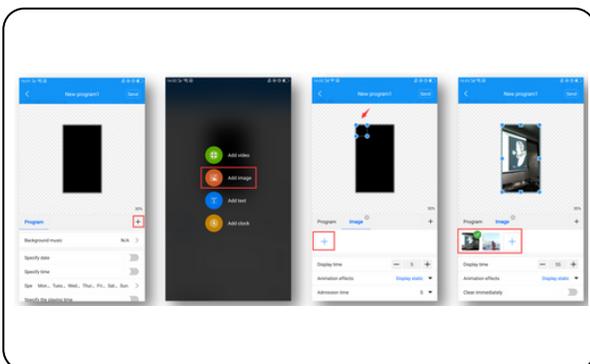
If you are not using an online controller, edit offline by customizing the screen size resolution.



STEP 4: ADD VIDEO

After entering the program editing interface, click the “+” on the right to add a video area. Size to desired fit in the preview area. Click the “+” below to add multiple videos.

Videos will play in a loop.

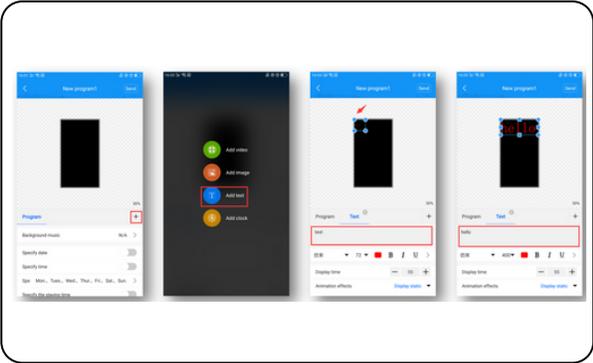


STEP 5: ADD IMAGES

Similar to videos, click the “+” on the right to add a picture area, sizing to desired fit in the preview area. Click the “+” below to add multiple images. After adding a picture, you can set the display duration and animation effects below the picture list.

Images will play in a loop.

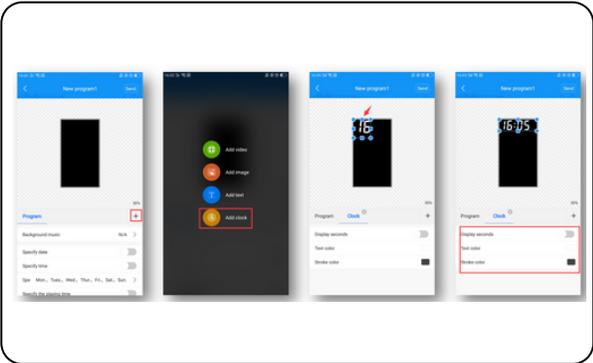
LEDART CONTENT MANAGEMENT APP



STEP 6: EDIT TEXT

Click on the “+” on the right to add a text area. Size to desired fit in the preview area then enter the text to be played in the text input box below.

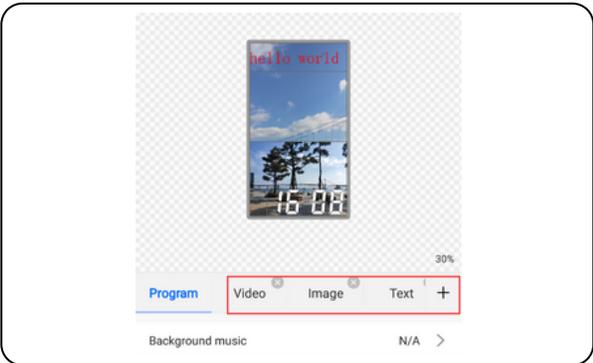
Below the input box, you can swipe to modify font, size, color, duration, animation effects and background color,



STEP 7: TIME DISPLAY

Click the “+” on the right to add a clock area, size to fit the preview area. Clock text size is automatically adjusted according to height of clock area.

Below you can choose to display seconds, modify font color and stroke.



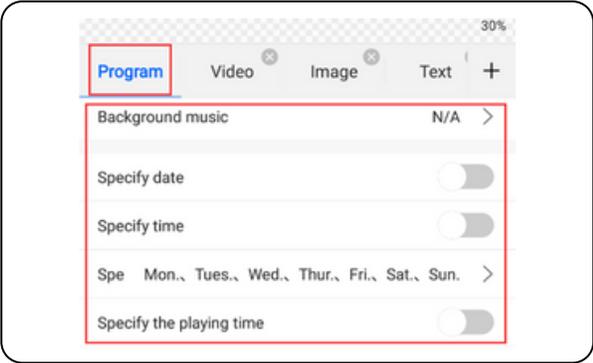
STEP 8: LAYER OVERLAY

The bottom layer is added first, and overlays added later are displayed on top. As shown, image area is superimposed on the video area to play, and the text area is superimposed on the video and image area to play,

Each area can be resized.

Only 2 videos can play at the same time.

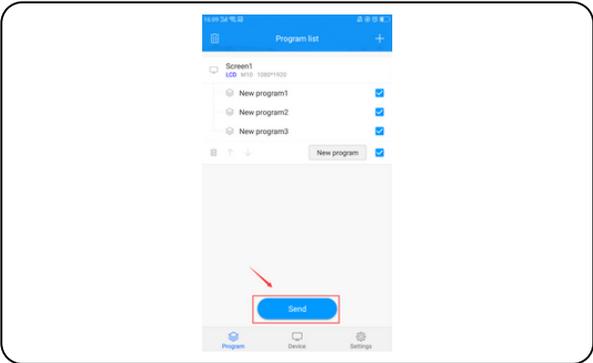
LEDART CONTENT MANAGEMENT APP



STEP 9: BROADCAST PROGRAM

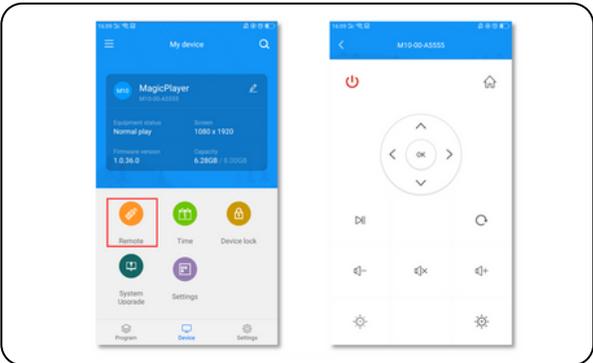
Select PROGRAM on the left side of editing interface to select background music, broadcast date/time/week/duration.

Click SEND in the upper right corner to send the program.



STEP 10: SENDING MULTI-PROGRAM

Exit the PROGRAM interface and return to the PROGRAM LIST. You can add or select multiple programs to send.

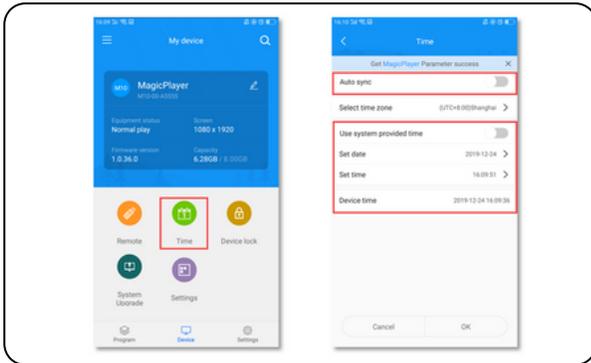


STEP 11: USING REMOTE CONTROL

Select the DEVICE module and click REMOTE to use the device to turn monitor ON/OFF, choose previous/next program, pause, play, adjust volume, adjust brightness, etc.



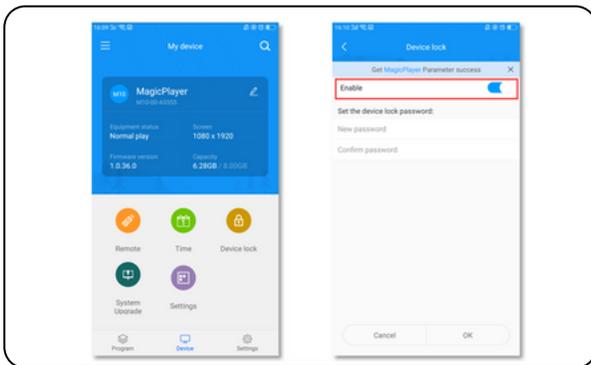
LEDART CONTENT MANAGEMENT APP



TIME SYNC

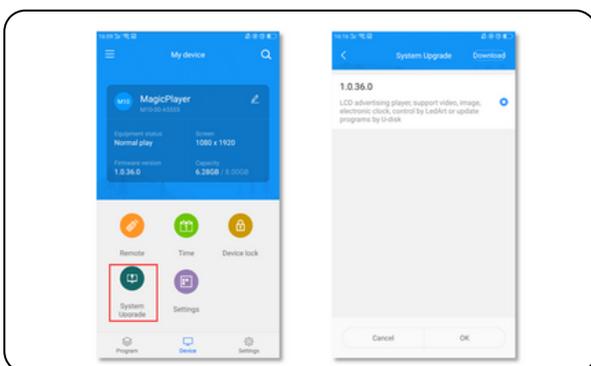
Select the DEVICE module and click TIME CORRECTION to sync to the correct time.

You can choose to synchronize the time from your phone, manually set the time or use the controller setting if using a LAN connection.



MENU LOCK

Select the DEVICE module and click DEVICE LOCK to lock the monitor's settings. Each time you send a program, you will need to enter the correct password to broadcast.

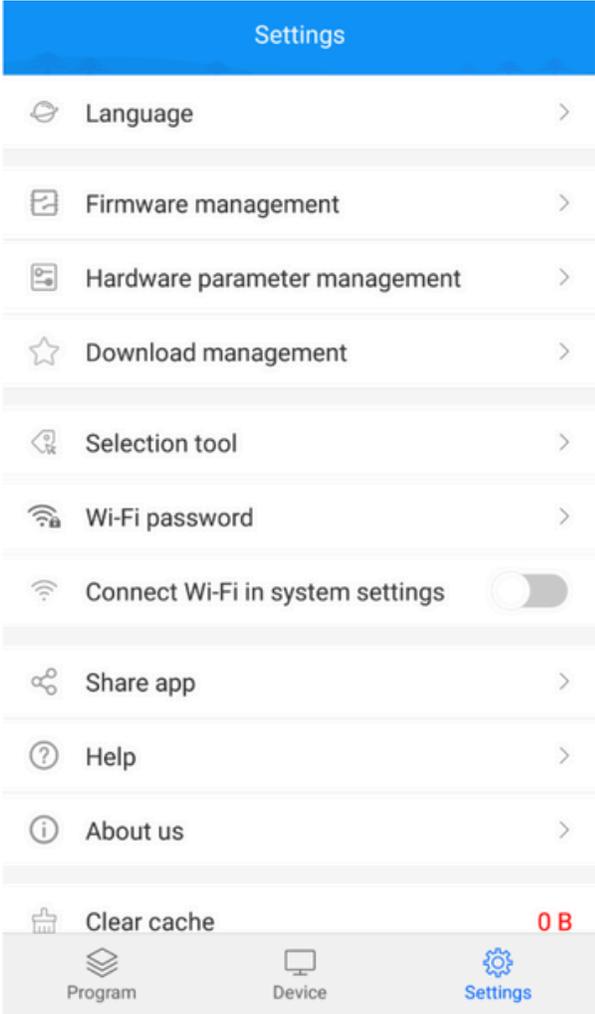


SYSTEM UPGRADE

Select the DEVICE module and click SYSTEM UPGRADE to update the controller system software.

NOTE, the software version needs to be downloaded in the DOWNLOAD MANAGEMENT section of the SETTINGS menu.

LEDART CONTENT MANAGEMENT APP



OTHER SETTINGS

Select the SETTINGS module to modify other hardware and software settings.

HOW TO SET UP / CONTROL

Windows SOC displays are standalone digital signage solutions running Windows 11, providing full PC functionality with embedded computing hardware.

1 UNBOXING & PHYSICAL SETUP

- Unpack the display and place it on a stable surface or wall mount following installation guidelines
- Ensure sufficient ventilation to avoid overheating.
- Identify the available ports on the display:
 - Power Input (AC 110/220V)
 - Ethernet (RJ45)
 - USB 2.0 & USB 2.0
 - HDMI (for external connections)

2 POWERING THE DISPLAY

- Plug the display into a properly grounded power outlet.

3 CONTROL CONNECTION

For added security, the display requires an external keyboard/mouse (or TeamViewer connection) to navigate the system menu:

- Using the USB ports as shown on page 8, connect your control peripherals.

4 NETWORK CONNECTION

Option 1: Ethernet (Recommended)

- Connect an Ethernet cable to RJ45 port.
- The display should automatically detect the connection.

Option 2: Wi-Fi Setup

- Open Windows Settings > Network & Internet > Wi-Fi.
- Select your Wi-Fi network, enter the password.
- Confirm the connection in Network Status.

5 SETTING UP WINDOWS 11 (IF NOT PRE-INSTALLED)

On first boot, follow the Windows 11 Setup Wizard:

- Choose language, region, and keyboard preferences.
- Connect to a network if not done earlier.
- Log in with a Microsoft account or create a local account.

Enable automatic updates via Settings > Update & Security > Windows Update.

- If security is a priority, enable BitLocker encryption for storage protection.

6 ADJUSTING DISPLAY SETTINGS

- Right-click on the desktop and select Display Settings.
- Set the appropriate resolution (minimum 1920x1080 recommended).
- Adjust brightness and scaling if needed.

7 CONNECTING EXTERNAL DEVICES

- USB Drives: Plug in a USB device to transfer media or applications.
- External Keyboard/Mouse: Connect via USB for easier control.

8 INSTALL & RUN SOFTWARE

Use built-in Windows apps:

- Windows Media Player (basic media playback).
- Microsoft Edge for web-based signage.

Or, install Windows-compatible software



HOW TO SET UP KIOSK MODE

Kiosk Mode is a useful way for digital signage, interactive kiosks, or dedicated terminals to present a specific website or a specific web app as fixed content on the display.

1 CREATE A CHROME SHORTCUT

- Right-click on your Desktop and select New > Shortcut.
- Browse to the Chrome executable (usually located at C:\Program Files\Google\Chrome\Application\chrome.exe).
- In the "Type the location..." field, add a space after the closing quote, then type:

```
CopyEdit
--kiosk "https://www.example.com" --start-
fullscreen
```

In the above, replace *https://www.example.com* with your desired site.

2 OPEN SHORTCUT

- Double-click the new shortcut.
- Chrome should open directly to your webpage in full screen, without menus or browser controls.

3 LOCK THE KIOSK ENVIRONMENT (OPTIONAL)

For a more locked-down experience, use Windows' Assigned Access feature to prevent exiting the app:

- In Settings > Accounts > Family & Other Users > Set Up a Kiosk
- Follow the prompts to select Chrome as the kiosk app and the desired website.

4 TO EXIT KIOSK MODE

- Press Alt+F4 or Ctrl+Alt+Delete to end the session and return to the desktop.



HOW TO SET UP / CONTROL

BrightSign SOC displays are designed for dedicated digital signage applications, running BrightSign OS with integrated content management features. .

1 UNBOXING & PHYSICAL SETUP

- Unpack the display and place it on a stable surface or wall mount following installation guidelines
- Ensure sufficient ventilation to avoid overheating.
- Identify the available ports on the display:
 - Power Input (AC 110/220V)
 - Ethernet (RJ45)
 - USB 2.0 & USB 2.0
 - HDMI (for external connections)

2 POWERING THE DISPLAY

- Plug the display into a properly grounded power outlet.

3 CONTROL CONNECTION

For added security, the display requires an external keyboard/mouse (or TeamViewer connection) to navigate the system menu:

- Using the USB ports as shown on page 8, connect your control peripherals.

4 NETWORK CONNECTION

Option 1: Ethernet (Recommended)

- Connect an Ethernet cable to RJ45 port.
- The display should automatically detect the connection.

Option 2: Wi-Fi Setup

- Use a BrightSign-compatible USB Wi-Fi module.
- Access Network Settings via BrightSign Local Setup Page.
- Select and connect to a Wi-Fi network

5 SETTING UP BRIGHTSIGN OS (IF NOT PRE-INSTALLED)

On the first boot, the device will load the BrightSign Setup Wizard.

- Configure:
 - Network Settings (Static IP/DHCP).
 - Screen Resolution (1920x1080 by default).
 - Content Management System (CMS) setup.

6 MANAGING CONTENT WITH BRIGHTSIGN CMS

Using internal memory card

- Restart the monitor to load the content.

Connecting to a CMS

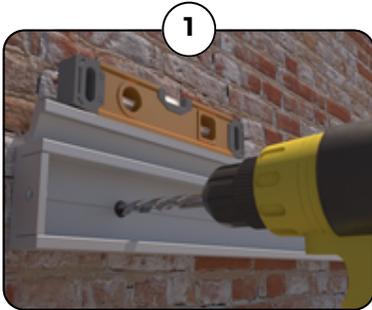
- Install a BrightSign-compatible CMS, ex:
 - BrightAuthor
 - Scala
 - SignageLive
- Use BrightSign Network for cloud-based content management.

Use the CMS Web Interface to:

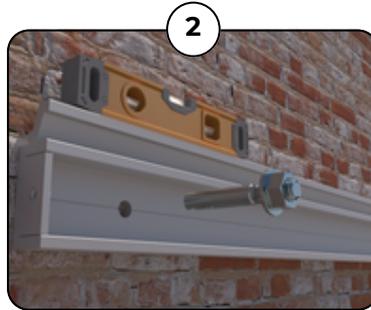
- Upload images, videos, and interactive content.
- Set playback schedules.
- Adjust screen layouts.



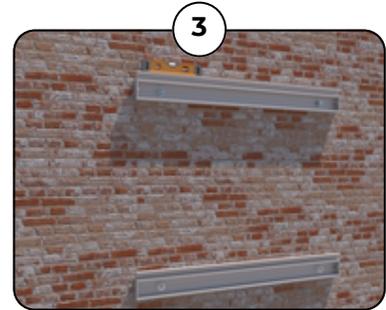
HOW TO MOUNT



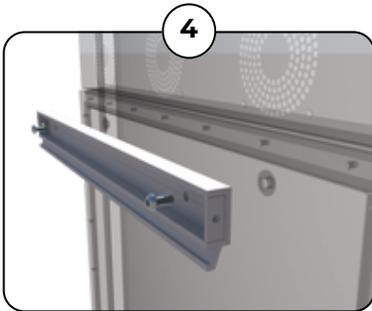
Using dimensions on Pg. 8, position the top wall bracket level on the wall with clip facing up at desired screen height.



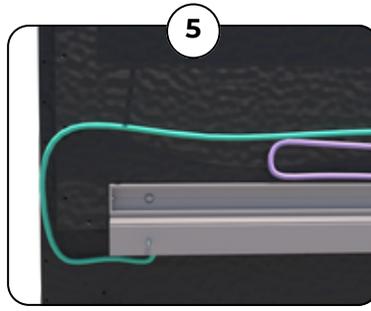
Anchor wall bracket to surface with appropriate mounting hardware. NOTE, wall anchor bolts not included.



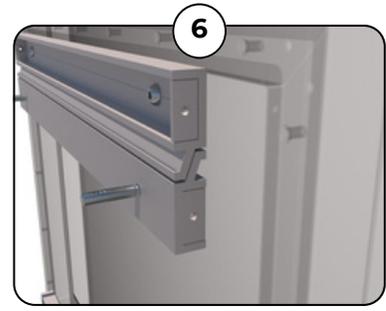
Using dimensions on Pg. 8, measure, drill and mount bottom wall bracket (clip up), ensuring both are level and parallel with one another.



Using the supplied Mounting Screws, attach the opposing brackets to the LCD monitor with the clips facing down.



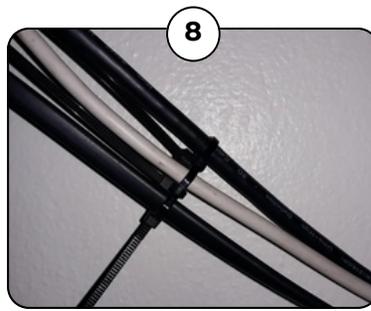
Organize, route and terminate cabling. Note, 2ft of cabling slack recommended for post-install serviceability.



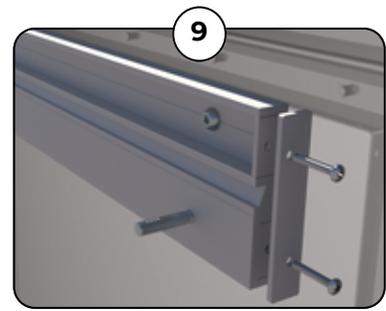
Once all brackets are secure, lift and place the LCD onto wall, wedging bracket clips into a locked position.



Power on LCD to verify proper cable connectivity and adjust settings for optimal quality.



Organize and stow cabling, using zip ties (not included) to hold excess wiring in place.



Make a final inspection and finish by securing Safety Plates with Safety Screws on all sides.

TROUBLESHOOTING

ERROR OR PROBLEM	HOW TO FIX
<p>No splash screen displays when initially powered on (Android / Windows / BrightSign logo image)</p>	<p>Check that the Display has Power</p> <ul style="list-style-type: none"> o Ensure cooling fans are spinning o Ensure there is a red or blue LED on the front of the display is on <p>Check for error message</p> <ul style="list-style-type: none"> o Ensure there are no error messages on the screen o If an error message appears, contact BVC Support for remote troubleshooting <p>Perform a Power Cycle</p> <ul style="list-style-type: none"> o Turn off the display, unplug for 30 seconds, then reconnect and power on <p>Problem Persists, contact BVC Support for additional troubleshooting</p> <ul style="list-style-type: none"> o Persistent issues might indicate SOC hardware failure
<p>No image displaying on screen</p>	<p>Check Input Source</p> <ul style="list-style-type: none"> o Ensure the correct input source (HDMI, DVI, HDBaseT, etc.) is selected on the display o Verify cables are connected securely and not damaged <p>Inspect Signal Source</p> <ul style="list-style-type: none"> o Confirm the media player or source device is powered on and outputting correctly o Test with a different source device to rule out input issues <p>Perform a Power Cycle</p> <ul style="list-style-type: none"> o Turn off the display, unplug for 30 seconds, then reconnect and power on
<p>Missing or incorrect content displaying on screen</p>	<p>Content Verification</p> <ul style="list-style-type: none"> o Confirm the content playlist or CMS settings are correct o Check if scheduled content is active <p>Troubleshoot Network Issues</p> <ul style="list-style-type: none"> o Verify the network connection for content delivery o Ping the display's IP or test the CMS server connection <p>Reset Input Settings</p> <ul style="list-style-type: none"> o Manually reset input source and resolutions as needed

TROUBLESHOOTING

ERROR OR PROBLEM	HOW TO FIX
<p>Lines or discoloration on screen</p>	<p>Power Cycle</p> <ul style="list-style-type: none"> o Turn the display off and back on <p>Replace or Reseat Cables</p> <ul style="list-style-type: none"> o Swap out the HDMI/DVI/DisplayPort cable with a known working cable o Inspect connectors for corrosion or damage <p>Look for Environmental Impact</p> <ul style="list-style-type: none"> o Check for signs of moisture or overheating inside the display housing <p>Adjust Resolution</p> <ul style="list-style-type: none"> o Ensure the source device matches the display's recommended resolution <p>If Problem Persists, contact BVC Support for additional troubleshooting</p> <ul style="list-style-type: none"> o Persistent issues might indicate a hardware failure
<p>Black spots (Ink spots)</p>	<p>Enclosure</p> <ul style="list-style-type: none"> o Ensure the cooling airflow of the enclosure specifically follow the outline of this user manual o Check if there is any blockage of air on the intake and exhaust of the enclosure <p>Fans</p> <ul style="list-style-type: none"> o Be certain all the fans on the LCD are operational. <p>Look for Environmental Impact</p> <ul style="list-style-type: none"> o Check for signs of moisture or overheating within the monitor <p>Inspect for any physical impact</p> <ul style="list-style-type: none"> o Review to ensure the display has not had any physical impact or vandalism <p>Perform a Power Cycle</p> <ul style="list-style-type: none"> o Turn off the display, unplug for 30 seconds, then reconnect and power on <p>If Problem Persists, contact BVC Support for additional troubleshooting</p> <ul style="list-style-type: none"> o Persistent issues might indicate a hardware failure



TROUBLESHOOTING

<p>Dim screen</p>	<p>Adjust Backlight Settings</p> <ul style="list-style-type: none"> ◦ Increase the brightness and contrast settings via the display's menu <p>Ambient Light Sensors</p> <ul style="list-style-type: none"> ◦ Check if the display is in automatic brightness mode; ensure sensors aren't obstructed <p>Check Environmental Conditions</p> <ul style="list-style-type: none"> ◦ Inspect for temperature-induced dimming (common in extreme heat to protect hardware) <p>Verify Power to Display</p> <ul style="list-style-type: none"> ◦ Confirm there is stable power into the display
<p>No sound or audio</p>	<p>Check Volume</p> <ul style="list-style-type: none"> ◦ Ensure both the display and source device volumes are unmuted and set to appropriate levels <p>Verify Audio Connections</p> <ul style="list-style-type: none"> ◦ Ensure HDMI or analog audio cables are securely connected and functioning ◦ Test audio with a different source device <p>Inspect External Speakers</p> <ul style="list-style-type: none"> ◦ If external speakers are used, ensure they are powered and connected properly <p>Confirm Audio Settings</p> <ul style="list-style-type: none"> ◦ Check audio output settings on the source device
<p>No power or won't stay powered on</p>	<p>Check Power Source</p> <ul style="list-style-type: none"> ◦ Ensure the display is properly connected to a functional power outlet, test outlet with another device <p>Inspect Power Cables</p> <ul style="list-style-type: none"> ◦ Check for frayed or damaged cables and replace if necessary <p>Check for Environmental Issues</p> <ul style="list-style-type: none"> ◦ Ensure the display's cooling system and weatherproofing are intact, high heat or moisture infiltration can cause power cycling <p>If Problem Persists, Escalate for Professional Service</p> <ul style="list-style-type: none"> ◦ Persistent issues might indicate a faulty power board



TECHNICAL SPECIFICATIONS

SPECIFICATIONS	LCDO-BVC32	LCDO-BVC43	LCDO-BVC49
BRIGHTNESS	3000nit	3000nit	3000nit
RESOLUTION	1920 x 1080	1920 x 1080	1920 x 1080
VIEWING ANGLE	CR≥10 89°/ 89°; 170° HOR / 170° VERT		
CONNECTIVITY	USB2.0, USB3.0, HDMI, RJ45, COAX EXT, 3.5MM AUDIO OUT		
TOUCH	P-CAP 10 POINT / NON-TOUCH MODEL AN OPTION		
DISPLAY MODE	FULL / SPLIT; SUPPORTS 0° / 90° / 180° / 270° MANUAL ROTATION		
AV PLAYBACK SUPPORT	WMV, AVI, FLV, RM, RMVB, MPEG, TS, MP4, VOD, MOV, MKV, MP3, AAC, JPEG, PNG, GIF, BMP, PPT, LVDS, HDMI HD AUDIO		
NETWORK	RJ45 R/A 1000M; 2.4GHz/5GHz; WIFI 6; WIN: BLUETOOTH 5.0/SIM OPT		
CPU	AND 11: RK3568 QUAD CORE 2.0Hz or WIND 11: INTEL I3/I5/I7		
GPU	AND: MALI-G52; WIN: INTEL UHD GRAPHICS 620		
ANDROID 11 OS STORAGE	1G/2G MEMORY; 8G/16G/32G EXT STORAGE		
WINDOWS 11 OS STORAGE	M.2 SATA 1TB		
CONTROL	RJ45, USB, WIFI (WINDOWS OPTIONAL)		
GLASS	IK10 GRADE, 5MM ETCHED ANTI-GLARE TEMPERED GLASS		
PROTECTION	IP66 (IP67 POWER SUPPLY); 3-LEVEL LIGHTNING PROTECTION		
COOLING	INTELLIGENT AIR, TEMP SENSOR, FAN SPEED CONTROL		
OPERATING TEMP/HUMIDITY	-20°C to +55°C / 5% - 95%; NOTE: TNI TEMP is 110°C		
POWER	120-220VAC 180W MAX	120-220VAC 260W MAX	120-220VAC 320W MAX
LIFESPAN	50,000 HRS	50,000 HRS	50,000 HRS
WARRANTY	1 YEAR	1 YEAR	1 YEAR

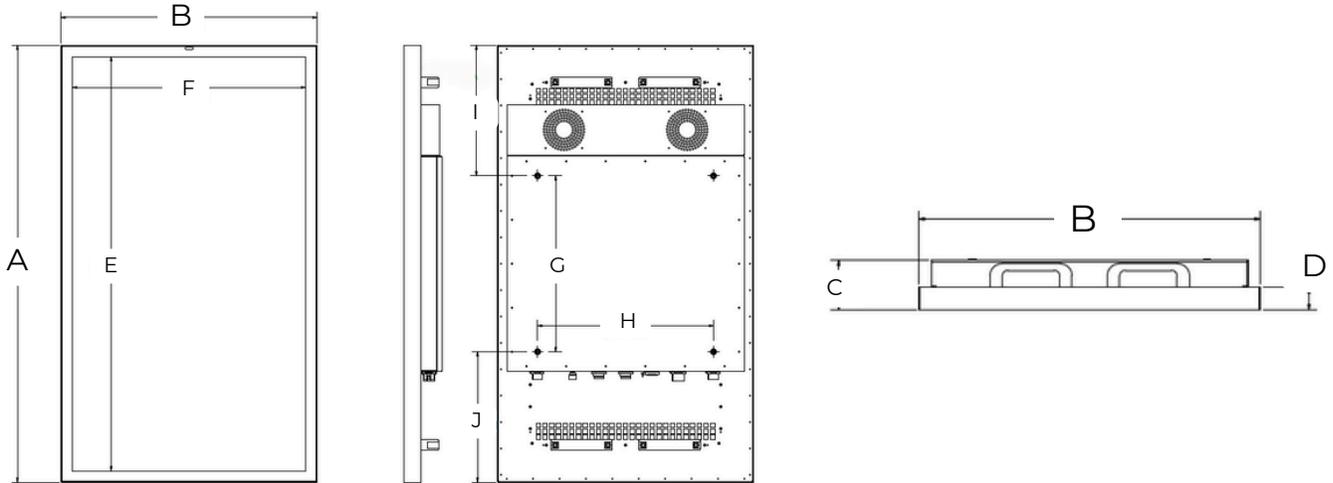


TECHNICAL SPECIFICATIONS

SPECIFICATIONS	LCDO-BVC55	LCDO-BVC65	LCDO-BVC75
ASPECT RATIO	16:9	16:9	16:9
BRIGHTNESS	3000nit	3000nit	3000nit
RESOLUTION	3840 x 2160	3840 x 2160	3840 x 2160
VIEWING ANGLE	178° HOR / 178° VERT	178° HOR / 178° VERT	178° HOR / 178° VERT
CONNECTIVITY	USB2.0, USB3.0, HDMI, RJ45, COAX EXT, 3.5MM AUDIO OUT		
DISPLAY MODE	FULL / SPLIT; SUPPORTS 0° / 90° / 180° / 270° MANUAL ROTATION		
AV PLAYBACK SUPPORT	WMV, AVI, FLV, RM, RMVB, MPEG, TS, MP4, VOD, MOV, MKV, MP3, AAC, JPEG, PNG, GIG, BMP, PPT, LVDS, HDMI HD AUDIO		
NETWORK	RJ45 R/A 1000M; 2.4GHz/5GHz; WIFI 6; WIN: BLUETOOTH 5.0/SIM OPT		
CPU	AND 11: RK3568 QUAD CORE 2.0Hz or WIND 11: INTEL I3/I5/I7		
GPU	AND: MALI-G52; WIN: INTEL UHD GRAPHICS 620		
ANDROID 11 OS STORAGE	1G/2G MEMORY; 8G/16G/32G EXT STORAGE		
WINDOWS 11 OS STORAGE	M.2 SATA 1TB		
CONTROL	RJ45, USB, WIFI (WINDOWS OPTIONAL)		
SPEAKERS	10W; 85±3dB; WATERPROOF		
GLASS	IK10 GRADE, 5MM ETCHED ANTI-GLARE TEMPERED GLASS		
PROTECTION	IP66 (IP67 POWER SUPPLY); 3-LEVEL LIGHTNING PROTECTION		
COOLING	INTELLIGENT AIR, TEMP SENSOR, FAN SPEED CONTROL		
OPERATING TEMP/HUMIDITY	-20°C to +55°C / 5% - 95%; NOTE: TNI TEMP is 110°C		
POWER	120-220VAC 310W MAX	120-220VAC 410W MAX	120-220VAC 440W MAX
LIFESPAN	50,000 HRS	50,000 HRS	50,000 HRS
WARRANTY	1 YEAR	1 YEAR	1 YEAR

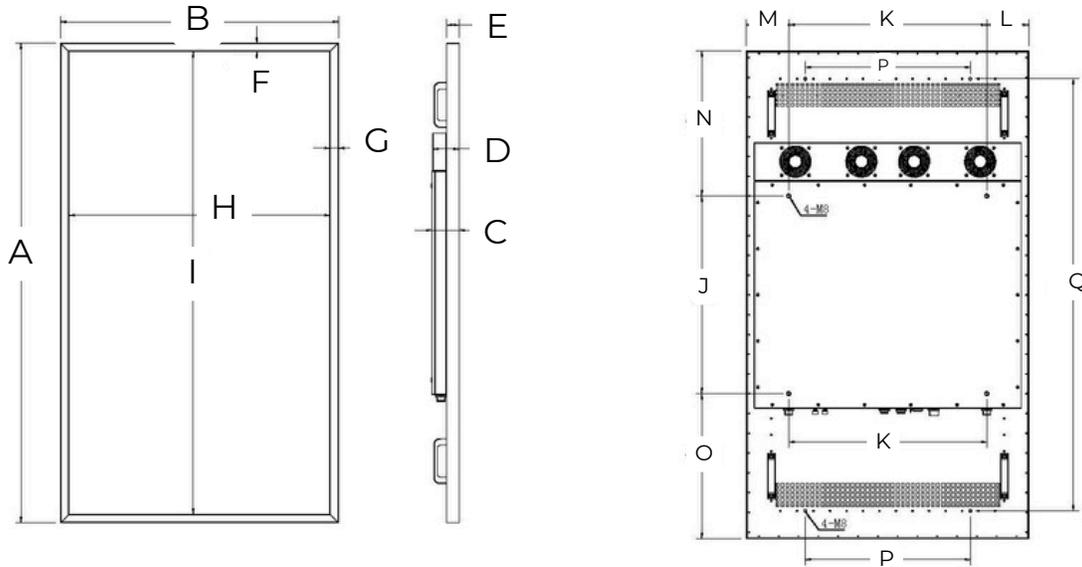


PRODUCT DIMENSIONS



DIMENSIONS	LCDO-BVC32	LCDO-BVC43	LCDO-BVC49
SCREEN SIZE	32"	43"	49"
ASPECT RATIO	16:9	16:9	16:9
OVERALL DIMENSIONS - AxBxC	750.8 x 445.4 x 86mm 29.56 x 17.54 x 3.39in	994 x 582.4 x 86mm 39.13 x 22.93 x 3.39in	1127 x 657 x 86mm 44.37 x 25.87 x 3.39in
DEPTH AT BEZEL - D	39mm 1.54in	39mm 1.54in	39mm 1.54in
DEPTH AT FANPACK - C	86mm 3.39in	86mm 3.39in	86mm 3.39in
ACTIVE DISPLAY AREA - ExF	698.8 x 393.4mm 27.51 x 15.49in	942.0 x 530.4mm 37.09 x 20.88in	1075 x 605mm 42.32 x 23.82in
VESA PATTERN - GxH	300 x 250mm	400 x 400mm	400 x 400mm
VESA TO EDGE - I/J	225.4mm 8.87in	297.0mm 11.69in	363.5mm 14.31in
PACKAGED DIMENSIONS	890 x 580 x 210mm 35.04 x 8.27 x 22.83 in	1130 x 710 x 210mm 44.49 x 8.27 x 27.95 in	1270 x 790 x 210 mm 50.00 x 8.27 x 31.10 in
WEIGHT (PACKAGED)	16.45kg / 36.27lbs (21.50kg / 47.40lbs)	27.25kg / 60.08lbs (34kg / 74.96lbs)	33kg / 72.75lbs (39kg / 85.98lbs)

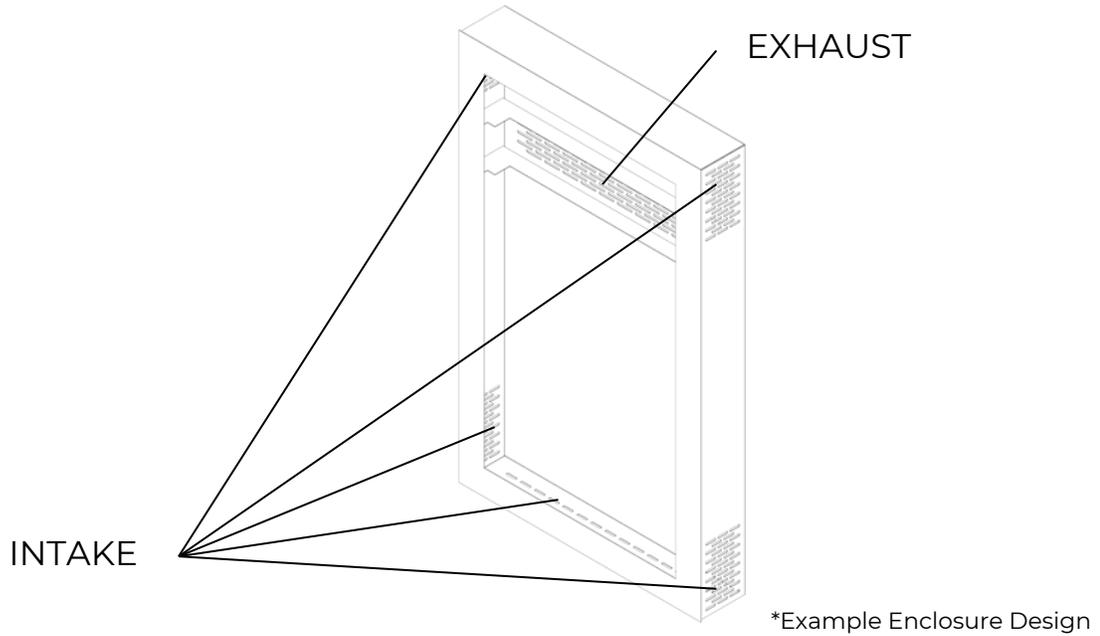
PRODUCT DIMENSIONS



DIMENSIONS	LCDO-BVC55	LCDO-BVC65	LCDO-BVC75
SCREEN SIZE	55"	65"	75"
OVERALL DIMENSIONS - AxBxC	1262 x 732.8 x 85mm 49.69 x 28.85 x 3.35in	1481 x 856 x 85mm 58.30 x 33.70 x 3.35in	1703.2 x 982.2 x 86mm 67.06 x 38.67 x 3.39in
DEPTH AT FANPACK - D	81.5mm 3.20in	81.5mm 3.20in	81.5mm 3.20in
DEPTH AT BEZEL- E	39mm 1.54in	39mm 1.54in	39mm 1.54in
BEZEL WIDTH - F/G	26mm / 26mm 1.02in / 1.02in	26mm / 26mm 1.02in / 1.02in	26mm / 26mm 1.02in / 1.02in
ACTIVE DISPLAY AREA - HxI	680.8 x 1210mm 26.80 x 47.64in	804 x 1429mm 31.65 x 56.26 in	930.2 x 1651.2mm 36.62 x 65.01in
VESA PATTERN - JxK	400 x 400mm	600 x 600mm	600 x 600mm
VESA TO EDGE - M/L	166.4mm / 166.4mm 6.55in / 6.55in	128mm / 128mm 5.03in / 5.03in	191.1mm / 191.1mm 7.52in / 7.52in
VESA TO EDGE - N/O	431mm / 431mm 16.97in / 16.97in	440.5mm / 440.5mm 17.34in / 17.34in	551.6mm / 551.6mm 21.72in / 21.72in
EXTERIOR HOLE PATTERN PxQ	500 x 1092.9mm 19.69 x 43.03in	500 x 1310.9mm 19.69 x 51.61in	600 x 1512.9mm 23.62 x 59.56in
PACKAGED DIMENSIONS	1400 x 860 x 210 mm 55.12 x 8.27 x 33.86 in	1620 x 990 x 210 mm 63.78 x 8.27 x 38.98 in	1850 x 1110 x 210 mm 72.83 x 8.27 x 43.70 in
WEIGHT (PACKAGED)	37.15kg / 81.90lbs (45.75kg / 105.27lbs)	45.45kg / 100.20lbs (56.45kg / 124.45lbs)	78kg / 171.96lbs (92kg / 202.83lbs)



AIR FLOW GUIDELINES



SUGGESTED DIMENSIONS	LCDO-BVC32	LCDO-BVC43	LCDO-BVC49
INTAKE SLOT SIZE (SUGG)	1.86 x 0.25in	1.86 x 0.25in	1.86 x 0.25in
EXHAUST SLOT SIZE (SUGG)	1.25 x 0.25in	1.25 x 0.25in	1.25 x 0.25in
FRESH AIR INTAKE TOTAL AREA	6.20 sq in	34.70 sq in	50.50 sq in
HOT AIR EXHAUST TOTAL AREA	33.00 sq in	36.70 sq in	61.50 sq in

Note: BVC Outdoor LCD Monitors do not require weatherproofing enclosures. For integrated applications such as kiosks or bespoke enclosures, please adhere to air flow guidelines provided.

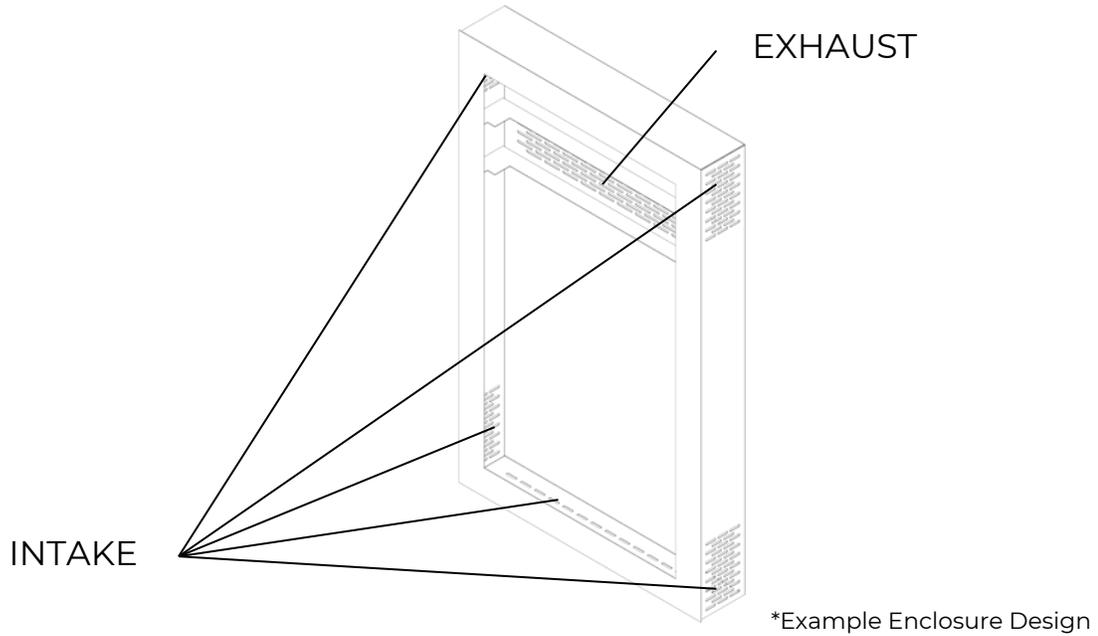
Fresh Air Intake area should align with the fan pack area of the display.

Exhaust total area is calculated as a combined total of sides and bottom ventilation areas.

DXF files available for download at bv-collective.com/resources, or via QR Code below.



AIR FLOW GUIDELINES



SUGGESTED DIMENSIONS	LCDO-BVC55	LCDO-BVC65	LCDO-BVC75
INTAKE SLOT SIZE (SUGG)	1.86 x 0.25in	1.86 x 0.25in	1.86 x 0.25in
EXHAUST SLOT SIZE (SUGG)	1.25 x 0.25in	1.25 x 0.25in	1.25 x 0.25in
FRESH AIR INTAKE TOTAL AREA	50.50 sq in	67.40 sq in	67.40 sq in
HOT AIR EXHAUST TOTAL AREA	132.10 sq in	105.20 sq in	120.00 sq in

Note: BVC Outdoor LCD Monitors do not require weatherproofing enclosures. For integrated applications such as kiosks or bespoke enclosures, please adhere to air flow guidelines provided.

Fresh Air Intake area should align with the fan pack area of the display.

Hot Air Exhaust total area is calculated as a combined total of sides and bottom ventilation areas.

DXF files available for download at bv-collective.com/resources, or via QR Code below.



PRODUCT WARRANTY

LIMITED WARRANTY

BoundlessView Collective, Inc. warrants that (a) this product will perform substantially in accordance with the accompanying written materials for a period of ONE YEAR from the date of receipt and (b) the surface on which the product is mounted will be free from defects in materials and workmanship resulting from product under normal use and service for a period of ONE YEAR. In the event applicable law imposes any implied warranties, the implied warranty period is limited to ONE YEAR from the date of receipt. The specified 5/16" anchor is recommended for ideal conditions, and its suitability under actual site conditions must be independently verified, with no liability assumed for improper use or failure.

CUSTOMER REMEDIES

BoundlessView Collective, Inc.'s and its supplier's entire liability and User's exclusive remedy shall be, at BoundlessView Collective, Inc.'s option, either (a) return of the price paid for the product, or (b) repair or replacement of the product that does not meet this Limited Warranty and which is returned to BoundlessView Collective, Inc. at user's expense with a copy of the user's receipt. This Limited Warranty is void if failure of the product has resulted from accident, abuse, or misapplication. Any replacement product will be warranted for the remainder of the original warranty period or thirty (30) days whichever is longer.

NO OTHER WARRANTIES

To the maximum extent permitted by applicable law, BoundlessView Collective, Inc. and its suppliers disclaim all other warranties, either expressed or implied, including, but not limited to implied warranties of merchantability and fitness for a particular purpose, with regard to the product and any related written materials. This Limited Warranty gives the user specific legal rights.



PRODUCT DETAIL RECORD

User Name:	
Address:	
Model / Serial No.:	
Purchase Date:	
Signature:	
Date:	



**SCAN CODE TO DOWNLOAD
OUR PRODUCT LIMITED
WARRANTY SPECIFICATION**



**800 N King St Suite 304-2540
Wilmington, DE 19801**

Call us at 667-383-5671
or info@bv-collective.com

bv-collective.com



FREQUENTLY ASKED QUESTIONS

Q

Can the display operate in extreme weather conditions?

A

Yes, the display is rated for operation in temperatures ranging from -20°C to +55°C and is equipped with IP66-rated weatherproofing. However, ensure it is not submerged in water unless additional enclosures are used.

Q

What type of power supply is required?

A

The display operates on 110/220 VAC with a maximum power draw depending on the model (e.g., up to 440W for the 75-inch display). Ensure a grounded outlet is used for safety.

Q

Can the display be used in direct sunlight?

A

Yes, the display is equipped with anti-glare tempered glass and is designed for high-brightness conditions (3000 nits). However, prolonged exposure to direct sunlight can cause increased internal temperatures.

Q

How do I clean the display?

A

Use a soft, dry cloth to clean the screen. For tougher stains, lightly dampen the cloth with water. A glass cleaner is ideal. Avoid using chemical cleaners that could damage the anti-glare coating.

Q

What is the warranty coverage for the display?

A

The product includes a one-year limited warranty covering defects in materials and workmanship under normal use. Refer to the "Product Warranty" section for terms and conditions.





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**SCAN CODE TO WATCH
VIDEO INSTRUCTIONS**

**For more information, please contact
us via our website:**

 bv-collective.com

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