

AV Access eShare W50 Hybrid Conference System with BYOD User Manual

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AV Access eShare W50 Hybrid Conference System with BYOD

Introduction

The Hybrid Conference System with Wireless BYOD, eShare W50, allows users to connect their devices wirelessly and share content during conferences and meetings. This user manual provides instructions on how to install and use the system effectively.

Features

The eShare W50 Hybrid Conference System offers the following features:

- Screen Mirroring over Airplay for Apple Devices
- Screen Mirroring over Miracast for Android Phones & Windows PCs
- Screen Mirroring over Dongle
- Automatic Signal Switching

Package Contents

The package includes the following items:

- eShare W50 Hybrid Conference System
- Installation and Application Manual

- Version Information
- Firmware Upgrade Instructions
- Specifications
- Warranty Information

Installation and Application

The installation and application of the eShare W50 Hybrid Conference System are described in detail in the corresponding sections of the user manual. Please refer to pages 7-12 for step-by-step instructions.

Screen Mirroring over Airplay (for Apple Devices)

To mirror your Apple device's screen using Airplay:

1. Ensure that the eShare W50 system and your Apple device are connected to the same Wi-Fi network.
2. On your Apple device, swipe up from the bottom of the screen to access the Control Center.
3. Tap on the Airplay icon.
4. Select the eShare W50 system from the list of available devices.
5. Your Apple device's screen will now be mirrored on the conference display.

Screen Mirroring over Miracast (for Android Phones & Windows PCs)

To mirror your Android phone or Windows PC screen using Miracast:

1. Ensure that the eShare W50 system and your device are connected to the same Wi-Fi network.
2. On your Android phone or Windows PC, go to the display settings.
3. Select "Cast" or "Wireless Display" option.
4. Choose the eShare W50 system from the available devices list.
5. Your device's screen will now be mirrored on the conference display.

Screen Mirroring over Dongle

To mirror your device's screen using a dongle:

1. Connect the dongle to the eShare W50 system using the provided USB port.
2. Ensure that the dongle is powered on and ready for connection.
3. On your device, go to the display settings.
4. Select "Cast" or "Wireless Display" option.
5. Choose the eShare W50 system from the available devices list.
6. Your device's screen will now be mirrored on the conference display.

Automatic Signal Switching

The eShare W50 Hybrid Conference System supports automatic signal switching, allowing seamless transition between different connected devices. This feature eliminates the need for manual switching and ensures a smooth conference experience.

Statement

FCC ID:2A9A5-ESHAREW50 This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help. Warning:

Changes or modifications not expressly approved by the party responsible for compliance could void the user' s authority to operate the equipment.

RF Exposure Statement

The distance between user and products should be no less than 20cm.

Introduction

Overview

The eShare W50 is a high-performance BYOD presentation switcher with wireless presentation capability. It equips built- in Wi- Fi module and offers multiple access approaches, including Airplay Mirroring, Miracast, Dongle and physical HDMI and USB-C ports, with which you can project the screen contents of your computers (Mac/Windows) or mobile devices (iPhone/iPad/ Android phone) to a display.

Multiple features like automatic signal switching, CEC, Guide Screen, OSD display are also included. It is a collaboration terminal that perfect for conferencing system.

Features

- Built-in Wi-Fi module for wireless connectivity with devices over Airplay Mirroring, Miracast and Dongle.
- Supports USB signal return for controlling host PC on touch screen.
- Supports HDMI input and output resolutions up to 4K@30Hz 4:4:4.
- Detailed and friendly OSD information.
- Offers friendly Web UI for easy configuration.

Package Contents

Before you start the installation of the product, please check the package contents:

- eShare W50 x 1

- DC 12V Power Adapter x 1
- Wi-Fi Antenna x 1
- USB Type-C to USB Type-C Cable with Lock (L=2m) x 1
- HDMI Cable with Lock (L=2m) x 1
- Mounting Brackets x 2
- Mounting Screws x 4
- Self-drilling Screws x 4
- User Manual x 1

Panel

Front Panel

Rear Panel

Installation and Application

Note: Before installation, ensure the device is disconnected from the power source.

Attaching the Antenna

Attach an antenna provided to the threaded connector, and screw it down in clockwise.

Attaching Brackets

1. Attach the bracket to the bottom panel using screws provided in the package. The bracket is attached to the bottom panel as Figure (a) shown.
2. Repeat step 1 for the other side of the bottom panel.
3. Attach the brackets to the surface (e.g. on the wall, under the table) you desire using self-drilling screws provided (see Figure b).

Application

Note: If the USB-C video source (e.g. a laptop) is being displayed, all USB devices connected to USB 3.0 Type A ports of eShare W50 will be routed to the USB-C video source as well.

Key Functions

Screen Mirroring

If you're working on a PC and want its apps and content to be shown on another screen, you may want to consider mirroring your PC's screen to that screen.

With screen mirroring support, the device allows you to share your mobile devices' content wirelessly on any HDMI displays over Airplay Mirroring, Miracast and/or Dongle. In this manual, mobile devices available for screen mirroring are referred to as "screen mirroring source", such as Apple devices (iPhone/iPad/Mac), Android phones, Windows PCs, Dongle, etc.

Screen Mirroring over Airplay (for Apple Devices)

- Connect your iPhone/iPad/Mac to the device's Wi-Fi.
 - Wi-Fi SSID: as same as the device name and can be obtained from OSD at the upper right of the display screen. By default, it is set as eShare W50.
 - Password: set through Web UI and can be obtained from OSD at the upper right corner of the display screen. By default, it is set as 12345678.
- Open Control Center on your Apple device, tap Screen Mirroring to select appropriate mirroring device (the device name can be obtained from the upper right corner of the display screen) from the pop-up menu.
- To disconnect Apple device from the device: click Stop Mirroring, the display stops displaying your device's screen

Screen Mirroring over Miracast (for Android Phones & Windows PCs)

For Android smartphone (take Samsung Galaxy series for example):

1. Enable the Wi-Fi or WLAN feature of your smartphone.
2. On your phone, swipe down from the top and tap Smart View or to select appropriate mirroring device (the device name can be obtained from the upper right corner of the display screen) from the pop-up CONNECT menu.
3. To disconnect the smartphone from the device: click "DISCONNECT" on your smartphone's screen.

Note:

- The icon, instruction and entrance of the Miracast function may vary on different Android phones, please refer to your phone's manual to get accurate instruction.
- If you fail to use Miracast function, please disable your phone's Wi-Fi and enable it later, or restart the mobile if necessary

For Windows PC (Window 10 or higher):

1. Enable the WLAN feature of your PC.
2. On your PC, press the combination keys " + K" to select appropriate mirroring device (the device name can be obtained from the upper right corner of the display screen) from the pop-up menu.
3. To disconnect PC from the device: click Disconnect, the display stops displaying PC's screen

Note:

The icon and interface of the Miracast function may vary on different computers. Some Windows 10/11 computers may fail to perform screen mirroring with Miracast due to compatibility issues

Tip: Both the Airplay mirroring and Miracast support PIN code. If you see the PIN entry window appears on your devices, input the PIN code that can be obtained through OSD (see OSD section for more information).

Screen Mirroring over Dongle

Users are able to share laptop's content on a display wirelessly without even installing an application by using eShare D10 Dongle.

Note:

1. eShare D10 Dongle is sold separately.
2. Before you insert eShare D10 Dongle into your laptop, ensure your laptop's USB-C port supports video output.

Steps to share laptop's screen on the display using eShare D10 Dongle:

1. Pair Dongle with the device. Connect Dongle to the Pairing port on the device's front panel. Once pairing between Dongle and the device is completed, "Pairing successful" appears on the display screen.
2. Connect Dongle to a laptop. Insert eShare D10 into the laptop's USB-C port, it will start running and connecting to the device's Wi-Fi. After it is connected to the device successfully, the Dongle LED stops blinking and starts lighting constantly.
3. Now press the Dongle's projecting button, you can project your laptop's screen on the display immediately.

Automatic Signal Switching

The device supports automatic signal switching function, allowing you to output desired sources easily and quickly. This function follows Last-In-First-Out rule:

1. When a wired video source (HDMI or USB-C) is connected to the device, the device will automatically switch to this latest connected source and output it.
2. When a wireless video source (Airplay, Miracast or Dongle) is connected to the device, the device will automatically project its screen content to the connected display.
3. When disconnect the source being displayed from the device, the device will switch to the active wired video source that most recently connected or selected. If no active source remains, the display shows the Guide Screen image finally.

Guide Screen

The device outputs Guide Screen picture when no video source is selected or being output. The Guide Screen can be personalized to allow customized connection instructions on the device's Web UI page.

The Guide Screen image will appear automatically on the display screen after all video sources are removed from the device.

Note:

- This Guide Screen image can be changed through Web UI, for more information, refer to Guide Screen Changes section.
- By default, if the device is outputting Guide Screen image for 60 seconds, a countdown timer with the time period of 60 seconds will appear on the Guide Screen. When the timer reaches zero, the connected display will enter standby mode if it is CEC-capable.

OSD

The device supports OSD (on screen display) to convey device basic information, including video source's information, PIN code, device name and IP address, etc. See Figure 2 below:

Web UI

The Web UI designed for this device allows for basic controls and advanced settings. It can be accessed through a modern browser, e.g. Chrome, Safari, Firefox, IE10+, etc.

To get access the Web UI:

1. Connect the LAN port of the device to a local area network. Ensure there's a DHCP server in the network so that the device can obtain a valid IP address.
2. Connect a PC to the same network as the device.
3. Input the device's IP address in the browser and press Enter, the following window will pop up. (See OSD section to easily view the IP address.)
4. Input the password (default password: admin) and click Login to enter the main page.

The main page includes seven submenus: Wireless Setting, Output Setting, Network Setting, Web UI Logon Password, Guide Screen Change, Firmware Upgrade and Version Information.

Wireless Setting

Output Setting

Network Setting

Web UI Logon Password

Guide Screen Change

- **Browse:** click to change to a new picture for the guide screen.
Note: Picture in jp(e)g format with 1920×1080 pixels is recommended.
- **Apply:** click to upload the selected picture to the device.

Version Information

Firmware Upgrade

The device supports firmware upgrade through either Web UI or USB-A ports on rear panel. To upgrade firmware through Web UI, see Firmware Upgrade section. To upgrade firmware through USB- A port on rear panel, perform the following:

1. Name the upgrade file package "FSC610-update.zip" .
2. Create a new folder named "upgrade" under the root directory of a FAT32 or NTFS Udisk. Place the upgrade file in this folder.
3. Connect the Udisk to either of the device's USB-A ports. It takes about 1 minute for the device to read the Udisk. If the device detects the upgrade file is a newer version, it will start to upgrade. When the upgrade process is completed, the device will reboot automatically.

Note:

Before connect Udisk to this device, we recommend that you remove USB-C source from the device' s USB- C In port. Do not cut off the power during the upgrade process. If the device detects the upgrade file is not a newer version, it will not start to upgrade

Specifications

Warranty


Products are backed by a limited 1-year parts and labor warranty. For the following cases AV Access Technology Limited shall charge for the service(s) claimed for the product if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

- 1. The original serial number (specified by AV Access Technology Limited) labeled on the product has been removed, erased, replaced, defaced or is illegible.
- 2. The warranty has expired.
- 3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that is not from an AV Access Technology Limited authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.
- 4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami and war.
- 5. The service, configuration and gifts promised by salesman only but not covered by normal contract.
- 6. AV Access Technology Limited preserves the right for interpretation of these cases above and to make changes to them at any time without notice.

Thank you for choosing products from AV Access. If you have any question, please contact us via the following emails:

General Enquiry: info@avaccess.com
Customer/Technical Support: support@avaccess.com

Documents / Resources

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