AC-CXMF62-AUHD

QUICK START GUIDE

The AC-CXMF62-AUHD is the ultimate switcher for connecting a variety of sources. HDBaseT, VGA, DisplayPort 1.2, and HDMI allows for integration in almost any room where meetings take place. Simplifying class and conference rooms farther with independent HDMI and HDBaseT output ports, allowing for distribution of video to a local monitor as well as a presentation projector or display up to 100 meters away.

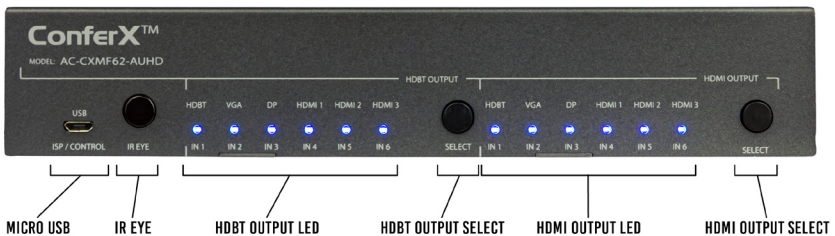## THIS QUICK START GUIDE WILL BE GOING THROUGH:

- INSTALLATION
- FRONT/REAR PANEL CONTROL
- EDID MANAGEMENT
- IR & RS-232 CONTROL
- LAN CONTROL
- TROUBLESHOOTING

QUICK INSTALLATION:

1. Connect the HDMI/HDBT/VGA/DP1.2 input sources (PC, Wall Plate, etc...) to the AC-CXMFX62-AUHD.

2. Connect the HDMI/HDBT output devices (Display, Distribution Amplifier, Projector, Receiver) to the AC-CXMFX62-AUHD.

3. Power on the sources.

4. Connect the power supply into the AC-CXMFX62-AUHD.

5. Turn on output devices/displays.

6. Use the front panel controls, supplied IR remote or free LAN (IP: 192.168.001.239) to control the matrix

FRONT PANEL CONTROL AND COMMANDS:

MICRO USB   IR EYE   HDBT OUTPUT LED   HDBT OUTPUT SELECT   HDMI OUTPUT LED   HDMI OUTPUT SELECT
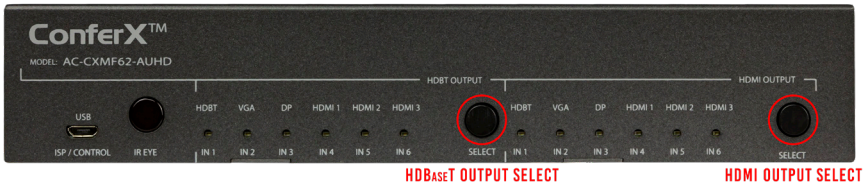
BUTTONS
- HDBT Output Select button - Toggles the active source for HDBT OUTPUT
- HDMI Output Select button - Toggles the active source for HDMI Output

BUTTON COMMANDS
- Enable/Disable "Auto-Switching" - Simply PRESS & HOLD the OUTPUT SELECT button for 4 seconds to toggle "Auto-Switching"
- When the LED is flashing "Auto-Switching" is enabled.
- You can enable only one output to auto switch, or both - when both are enabled, they will be mirrored.

- EDID is ideally set from the Web Interface, but can be set from the front panel (will be walked through later in the guide)

CONTROLLING THE MATRIX:

WEB INTERFACE
- To connect to the Matrix Switch and access the Web interface:
- Connect the LAN port on the rear of the Matrix Switch into an active access point or router
- Make sure your computer is on the same network
- Open any web browser and type in the IP address of the Matrix Switch. *NOTE - The default IP address is: 192.168.001.239

NOTE: Use this area to route inputs to outputs

OUT1	IN1	IN2	IN3	IN4	IN5	IN6
OUT2	IN1	IN2	IN3	IN4	IN5	IN6
ALL	IN1	IN2	IN3	IN4	IN5	IN6

VIDEO SCALER MODE

- This will set the scaler mode for OUTPUT 1, the options are:
- BP = Bypass - Scaler is disabled (Default)
- 4K-2K = 1080P - If incoming signal is 4K, it will be downscaled to 1080P or 1900x1200 depending on the input format.

AUDIO STATUS

- Enable or Disable extracted Audio, the options are:
- ON = Extracted audio ports are ON (Default)
- OFF= Extracted audio ports are muted.

AUDIO BINDING

- Bind the audio to a specific OUTPUT. The audio will always follow one output, this
- means the audio switches with the video of the output you designate, the options are:
- OUT1 = Extracted audio will follow HDBT OUTPUT (Default)
- OUT 2= Extracted audio will follow HDMI OUTPUT

TEST PATTERN

- Generate a 1080p test pattern to a specific OUTPUT.
- OUT1 = Generate a test pattern on HDBT OUTPUT
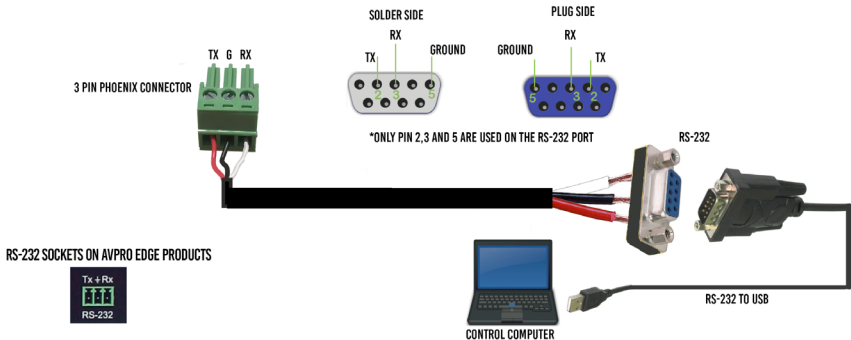- OUT 2= Generate a test pattern on HDMI OUTPUT

IR CONTROL

- For IR Control there is an IR Window on the front face of the device

RS-232 CONTROL:

In order to connect your computer to the swtich by RS-232 you need to make your own cable with one end a phoenix connector and the other end a RS-232 port. Your computer doesn't have a RS-232 input, get a USB converter (as shown below), and plug the USB end into any computer.

RS232 can be extended over HDBT as well. Use the HDBT 3 Pin Phoenix to broadcast directly to your HDBT Input/Output.

IN ORDER TO CONNECT YOUR COMPTER TO THE SWITCH BY RS-232 YOU NEED TO MAKE YOUR OWN CABLE WITH ONE END A PHOENIX CONNECTOR AND THE OTHER END A RS-232 PORT. YOUR COMPUTER DOESN'T HAVE A RS-232 INPUT, GET A USB CONVERTER (AS SHOWN BELOW), AND PLUG THE USB END TO ANY COMPUTER

SOLDER SIDE
RX
TX   GROUND

PLUG SIDE
RX
GROUND   TX

3 PIN PHOENIX CONNECTOR
TX G RX

*ONLY PIN 2,3 AND 5 ARE USED ON THE RS-232 PORT

RS-232

RS-232 SOCKETS ON AVPRO EDGE PRODUCTS

RS-232 TO USB

CONTROL COMPUTER

EDID MANAGEMENT:

The BEST/EASIEST WAY to setup EDID's is to use the web interface. However, we know that may not always be an option. Since there is no screen on the device, you will have to rely on the LED's to complete EDID setup. Please follow the steps below (This might take one or two tries to get used too.)
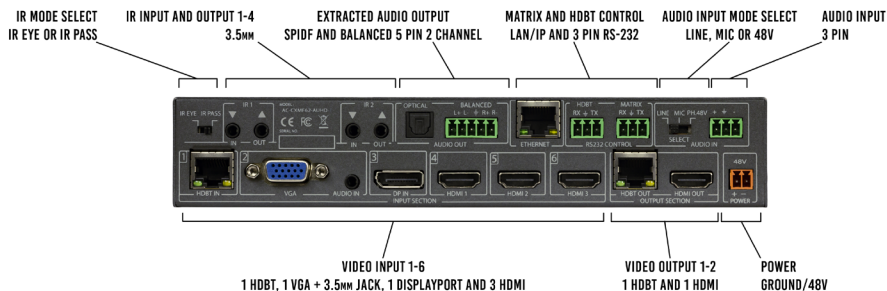
1. Press and hold both "Out 1" and "Out 2" buttons for 5 seconds.
   - All LED flash one time. You are now in EDID management state.

2. In the EDID management state, press the "Out 1" button to toggle to the input you want to set the EDID for. (1=IN1, 2=IN2, 3=IN3, 4=IN4)

3. Press the "Out 2" button to toggle through the EDID index.

4. Once you land on the EDID you want to use, press and hold the "Out 2" button for 3 seconds. All LEDs will flash one time indicating success

NOTE: When in the EDID management state, if you are inactive for 10 seconds it will return to the normal state automatically. All LEDs flash one time.

The EDID options are:

1.	1080P_2CH	18.	1080P_8CH_HDR
2.	1080P_6CH	19.	1080P_3D_2CH_HDR
3.	1080P_8CH	20.	1080P_3D_6CH_HDR
4.	1080P_3D_2CH	21.	1080P_3D_8CH_HDR
5.	1080P_3D_6CH	22.	4K30HZ_3D_2CH_HDR
6.	1080P_3D_8CH	23.	4K30HZ_3D_6CH_HDR
7.	4K30HZ_3D_2CH	24.	4K30HZ_3D_8CH_HDR
8.	4K30HZ_3D_6CH	25.	4K60HzY420_3D_2CH_HDR
9.	4K30HZ_3D_8CH	26.	4K60HzY420_3D_6CH_HDR
10.	4K60HzY420_3D_2CH	27.	4K60HzY420_3D_8CH_HDR
11.	4K60HzY420_3D_6CH	28.	4K60HZ_3D_2CH_HDR
12.	4K60HzY420_3D_8CH	29.	4K60HZ_3D_6CH_HDR
13.	4K60HZ_3D_2CH	30.	4K60HZ_3D_8CH_HDR
14.	4K60HZ_3D_6CH	31.	User EDID 1
15.	4K60HZ_3D_8CH	32.	User EDID 2
16.	1080P_2CH_HDR	33.	User EDID 3
17.	1080P_6CH_HDR		

BACK PANEL:

IR MODE SELECT IR EYE OR IR PASS

IR INPUT AND OUTPUT 1-4 3.5mm

EXTRACTED AUDIO OUTPUT SPIDF AND BALANCED 5 PIN 2 CHANNEL

MATRIX AND HDBT CONTROL LAN/IP AND 3 PIN RS-232

AUDIO INPUT MODE SELECT LINE, MIC OR 48V

AUDIO INPUT 3 PIN

VIDEO INPUT 1-6
1 HDBT, 1 VGA + 3.5mm JACK, 1 DISPLAYPORT AND 3 HDMI
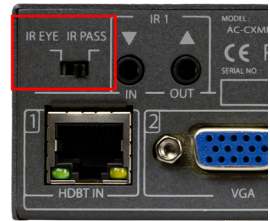
VIDEO OUTPUT 1-2
1 HDBT AND 1 HDMI

POWER
GROUND/48V

IR PORTS

Used for IR extension over HDBT. Choose IR Input type using the dipswitch on the back of the unit.
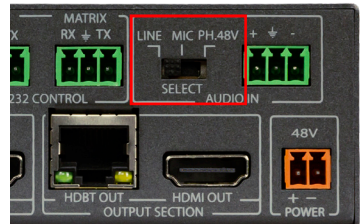
- IR Eye = IR from remote/emitter
- IR Pass = IR direct from control system
- IR can be routed. By default, the switch comes in:
- IN1/OUT1 = Bound to HDBT Input
- IN2/OUT2 = Bound to HDBT Output

MIC IN

Allows for a mic to be injected into the extracted audio outputs. Select Microphone type by using the dipswitch located next to the input.

- Line In = Line level input (PC, Phone, etc..)
- MIC = Microphone input for dynamic microphones
- 48V = Microphone input for condenser microphones. Provides 48V Phantom Power.

TROUBLESHOOTING:

We recommend every integrator has a fox and hound testing and troubleshooting kit to ensure quality hdmi connection.

- Verify Power - The LEDs on the front of the matrix should be lit up when power is
- applied. Check power supply connections to device and power
- Verify Connections - Check all cables are properly connected
- Issues with one INPUT/OUTPUT- Swap ports to see if the issue stays with the port or
- with the device
    - Follows the device, then it may be an EDID issue. Default out of the box is
    - a 1080p 2ch. Try another canned EDID
    - Try another canned EDID or use the COPY FROM OUTx command to copy the
    - Issues with 4k but 1080 or less working
    - Verify all connected devices are capable of the signal you are sending
    - Turn on the Test Pattern Generator for each of your outputs to verify signal is passing through your run

HAVE A QUESTION OR NEED ASSISTANCE?
DON'T HESITATE TO CONTACT US!

SUPPORT: +1 605-274-6055
USA TOLL FREE: 877-886-5112
EMAIL: SUPPORT@AVPROEDGE.COM