

Thank you for purchasing SyncAV™ SSAV-EX1PO-V2. For best results and your safety, please read the instructions and keep the manual for future reference.

■ Important!

1. Do not connect or disconnect any cables while powered
2. Do not mix up the transmitter unit (TX) with the receiver unit (RX), and the IR blaster extension cable with the IR receiver extension cable
3. Use supplied DC 5V/2A adapter only. Using wrong power adapter can be a safety hazard, may cause damage to the equipment and will void warranty

■ Introduction

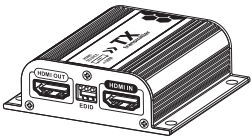
SyncAV™ SSAV-EX1PO-V2 HDMI extender transmits various resolution HDMI video over a single CAT6/6A/7 cable with zero latency and supports IR passback allowing user to control the source device with IR remote from the receiver site.

It supports POE to power the receiver (Connect power supply to the Transmitter unit only, each unit will power up, as the Receiver unit is powered by the Transmitter unit through network cable).

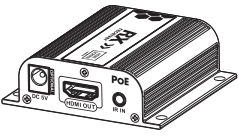
■ Features

1. Plug-and-play operation, no installation required.
2. Transmits uncompressed full HD signal with zero latency
3. Works with most HDMI devices
4. Supports IR passback
5. Receiver can be powered by the transmitter through PoE

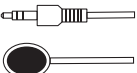
■ What's in the Box



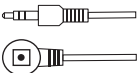
1 x
Transmitter unit (TX)



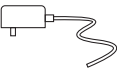
1 x
Receiver unit (RX)



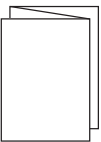
1 x
IR blaster
extension cable



1 x
IR receiver
extension cable



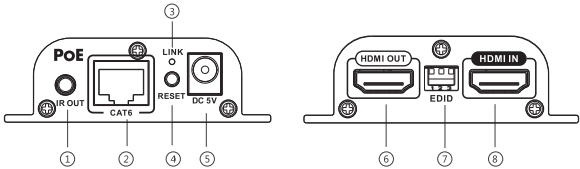
1 x
DC adapter



User manual

■ Panel Description

1. Transmitter unit (TX)



① IR signal output to connect with blaster extension cable	⑤ DC5V power input
② RJ45 signal output	⑥ HDMI signal output
③ HDMI signal indicator led: it lights on all the time when HDMI signal input, flashes when no signal input	⑦ EDID switch
④ Reset Button	⑧ HDMI signal input

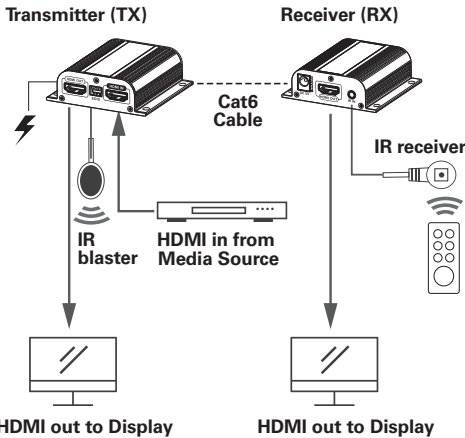
2. Receiver unit (RX)



① DC5V Optional power input	④ LENGTH: for adjusting to the length of network cable
② HDMI signal output	⑤ RJ45 signal input
③ IR signal input to connect with IR receiver extension cable	⑥ RJ45 indicator led: it lights on all the time when HDMI signal transmission, flashes when no signal transmission

■ Setting up the system

Connect all the components as per picture below. Make sure all the cables are plugged in BEFORE powering up the system. Plug the power supply to Transmitter unit only. Place the IR blaster as close as possible to the device you want to control with your remote. Wait 'till the connection is established (LINK LED on the receiver unit turns solid).



[NOTE] It is recommended to use a length range within 15~50m network and with good quality copper wire

■ EDID Setting:



Switch up for “1”



Switch down for “0”

Switch Status			EDID information
1	2	3	
0	0	0	720p@50Hz 2.1CH
1	0	0	720p@50Hz 7.1CH
0	1	0	1080i@60Hz 2.1CH
1	1	0	1080i@60Hz 7.1CH
0	0	1	1080p@60Hz 2.1CH
1	0	1	1080p@60Hz 7.1CH
0	1	1	Read and save the EDID of the loop-out TV
1	1	1	Default EDID: 720p@60Hz 2.1CH

- First of all, set the resolution mode of the source device, please choose “AUTO” of the resolution mode. (However, when the resolution mode of your source device is “AUTO” already, and the output resolution (for instance, output is 720p) is still not in accord with the resolution that set by the EDID dip switch (for instance, it is 1080p). At this time, please set the the resolution of your device again to make it in accord with the resolution that set by the EDID dip Switch (e.g. 1080p)
- HDMI source device reads the EDID information of the transmitter (TX) and then output the Relative HDMI signal
- Restart the transmitter unit every time after re-setting EDID
- When connect a TV with loop-out HDMI port of transmitter (TX), it can adjust EDID switch. To read and save this TV's

EDID information. When we use this function, it should connect TV with transmitter first, and then power on these devices, so that the EDID will be read and saved successfully. At next time, even though do not connect a TV into the loop-out HDMI Port, the source device will output the saved EDID information last time.

■ Troubleshooting:

No image

Press receiver “LENGTH” button for adjusting this unit to self-adapt to the Length of network cable

RX LINK LED keeps blinking

- Make sure your network cable is terminated according to IEEE568B (see pinout above)
- Check whether the transmitter receives an HDMI signal from your source
- Restart both TX and RX units by pressing and holding RESET button for few seconds and reconnect.

RX LINK LED lit solid but no image is produced

- Make sure your TV/monitor supports the source's HDMI resolution
- Check the HDMI connection between the RX unit and your TV/monitor
- Make sure your network cable has copper wires

■ Specification

Item	Specification
HDMI signal	HDMI1.4a
HDCP	HDCP1.2a
Support resolutions	480i@60Hz, 480p@60Hz, 576i@50Hz, 576p@50Hz, 720p@50/60Hz, 1080i@50/60Hz, 3D:1080p@60Hz
Network cable	Low resistance and consumption oxygen-free copper (CAT6/6A/7)
Maximum transmission distance	Full HD resolution 1080p@60Hz up to 50meters via CAT6 cable
IR remote control	Support 20-60kHz wide frequency IR remote control
EDID	Support EDID setting function
Audio format	PCM, AC3, DTS
Working temperature	0°C-60°C
Power supply	5V/2A
Power consumption	TX<3W RX<3W
Material	Aluminium alloy
Dimensions (mm)	71.6(L) x 66.9(W) x 22.6(H)mm
Weight	TX70g RX 70g
Colour	Black

Disclaimer

The products, brand names and standards may be registered trademark of their corresponding manufacturers/developers. ™ and ® may be omitted on the user manual.

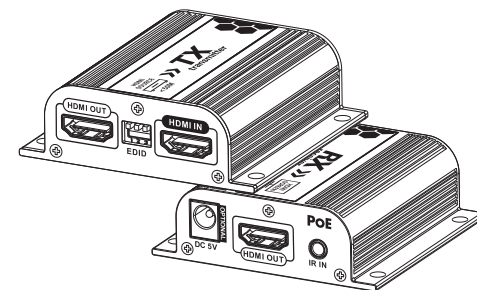
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HDMI EXTENDER

over CAT6/6A/7 with IR



Support
POE
to power the receiver

SS-AV-EX1PO-V2
User Manual