Daisy Chain HDMI Extender System

AVLINK™

Local Unit (HE-A1L)

Repeater Unit (HE-A2RS)

8-Port Distribution Amplifier (HE-A8L)

USER MANUAL

V1.0

Package Contents for HE-A1L

- Local Unit x 1
- 1 user manual
- 1 power adapter DC 12V/1.25A
- 1 IR Blaster Cable

Package Contents for HE-A2RS

- Repeater Unit x 1
- 1 user manual
- 1 power adapter DC 12V/1.25A
- 1 IR Receiver Cable

Package Contents for HE-A8L

- 8-Port Distribution Amplifier x 1
- 1 user manual
- 1 power adapter DC 12V/5A
- 1 IR Blaster Cable

Any thing missed, please contact with your vendor.

Features

Local Unit (HE-A1L)
- HDMI Input Support Up To 1920x1200@60Hz (DVI Format) and 1080P@60Hz (HDMI Format).
- 100 Meters Extension with the 1080P Resolution by ONE SINGLE CAT5/6 Cable
- Visually Lossless Compression Algorithm
- Support the Video Format VESA / CVT / HDTV Timing Specification
- Support the Audio PCM 2ch~7.1ch, Dolby Digital / EX / Plus, Dolby True HD, DTS ES / HD Master (Point to Point) or PCM 2ch (Daisy Chain)
- Support the One Way RS-232 Serial Control Up 115,200 bps (from Local to Repeater)
- Support the One Way IR Remote Control (from Repeater to Local)

Repeater Unit (HE-A2RS)
- HDMI Input Support Up To 1920x1200@60Hz (DVI Format) and 1080P@60Hz (HDMI Format).
- 100 Meters Extension with the 1080P Resolution by ONE SINGLE CAT5/6 Cable
- Visually Lossless Compression Algorithm
- Two RJ-45 Outputs for Two Different Directions Extension
- Each Direction Can Be Daisy Chainable Up To 32 Levels (100 Meters /Level) with the 1080P Resolution All the Way
- Up to 100 Displays for the Whole System Connection
- Support the EDID Copy Functionality for Making Sure All Displays are Working Well
- Support the Video Format VESA / CVT / HDTV Timing Specification
- Support the Audio PCM 2ch~7.1ch, Dolby Digital / EX / Plus, Dolby True HD, DTS ES / HD Master (Point to Point) or PCM 2ch (Daisy Chain)
- Support the One Way RS-232 Serial Control Up 115,200 bps (from Local to Repeater)
- Support the One Way IR Remote Control (from Repeater to Local)

8-Port Distribution Amplifier (HE-A8L)

- HDMI Input Support Up To 1920x1200@60Hz (DVI Format) and 1080P@60Hz (HDMI Format).
- 100 Meters Extension with the 1080P Resolution by ONE SINGLE CAT5/6 Cable
- Visually Lossless Compression Algorithm
- Eight RJ-45 outputs Ideal for the Broadcasting Extension
- Support the Video Format VESA / CVT / HDTV Timing Specification
- Support the Audio PCM 2ch~7.1ch, Dolby Digital / EX / Plus, Dolby True HD, DTS ES / HD Master (Point to Point) or PCM 2ch (Daisy Chain)
- One HDMI Local Output Ideal for Monitoring or Identically Displaying
- Support the One Way RS-232 Serial Control Up 115,200 bps (from Local to Repeater)
- Support the One Way IR Remote Control (from Repeater to Local)

Specifications

Function	HE-A1L	HE-A2RS	HE-A8L
Input	HDMI A-Type Female x 1	NONE	HDMI A-Type Female x 1
Output	NONE	HDMI A-Type Female x 1	
LINK Input	NONE	RJ-45 x 1	NONE
LINK Output	RJ-45 x 1	RJ-45 x 2	RJ-45 x 8
IR IN	NONE	3.5mm Phone Jack x 1	NONE
IR OUT	3.5mm Phone Jack x 1	NONE	3.5mm Phone Jack x 1
RS-232	DB-9 Female x 1		DB-9 Male x 1
Max. Resolution	1920x1200@60Hz (DVI Format) / 1080P@60Hz(HDMI Format)		
CAT5/6 Cable Distance	100 Meters (Max)		
Signal	Standard HDMI Specifications		
Power Adapter (Min.)	DC 12V /1.25A		DC 12V / 5A
Housing	Metal		
Weight	395 g	438 g	1001 g
Dimensions (LxWxH)	138 x 114 x 25 mm	138 x 128 x 25 mm	240 x 179 x 25 mm

LOCAL FRONT VIEW

HE-A1L

1. HDMI INPUT
2. POWER LED
3. LINK LED
4. RS-232

HE-A2RS

1. HDMI OUTPUT
2. POWER LED
3. LINK LED
4. EDID COPY PUSHBUTTON
5. RS-232

HE-A8L

1. DC JACK
2. POWER LED
3. LINK LED
4. RS-232
5. IR-OUT PHONE JACK
6. HDMI OUTPUT
7. HDMI INPUT

LOCAL REAR VIEW

HE-A1L

1. DC JACK
2. IR-OUT PHONE JACK
3. LINK OUT(RJ45 JACK)

HE-A2RS

1. DC JACK
2. IR-IN PHONE JACK
3. REPEAT LINK OUT *2 (RJ45 JACK)
4. LINK IN X1 (RJ45 JACK)

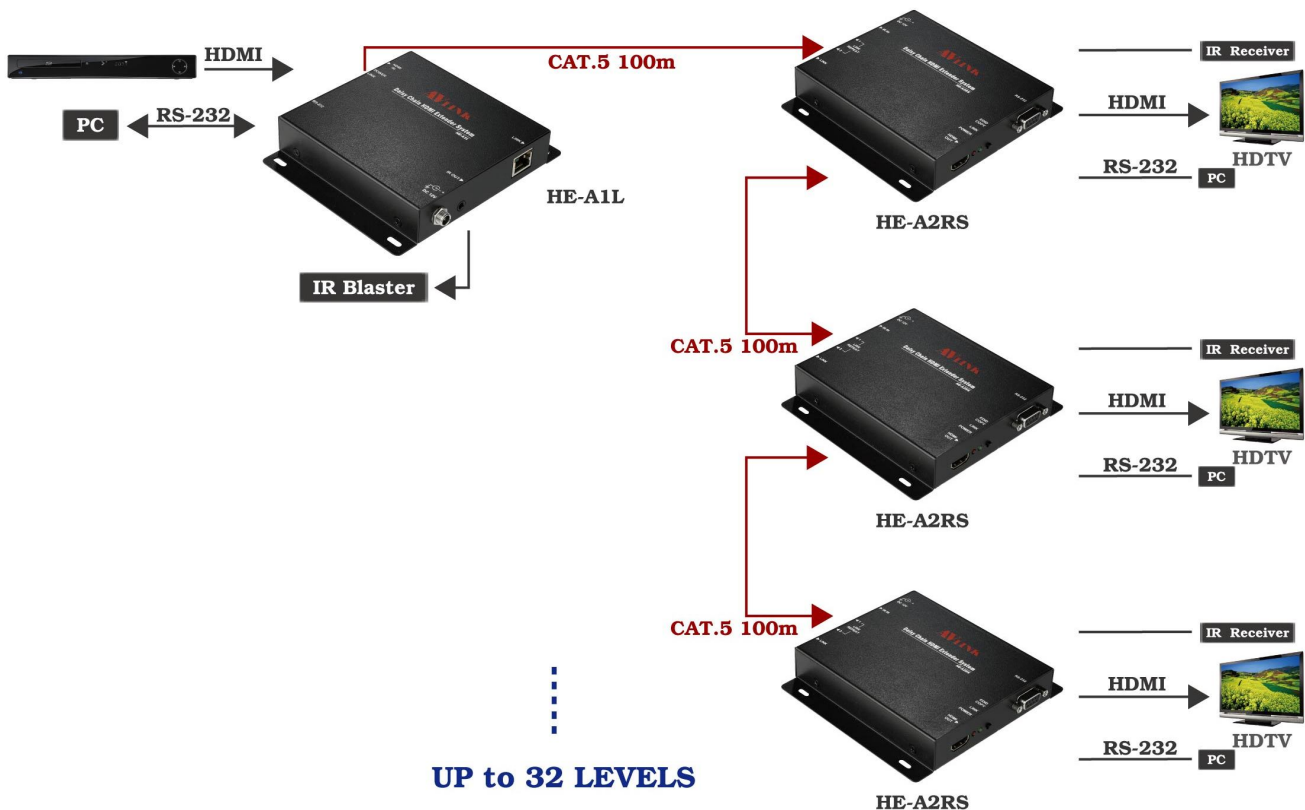HE-A8L

1. LINK1~LINK8

Installation

1. Turn OFF the Video Source Device and Monitor
2. Connect the HDMI cable between the Video Source Device and the "HDMI IN" port of HE-A1L (or HE-A8L)
3. Connect the HDMI cable between the Monitor and the "HDMI OUT" port of HE-A2RS
4. Connect the power adaptor to the DC jack of HE-A1L to powered up the unit
5. Connect the power adaptor to the DC jack of HE-A2RS, to powered up the unit
6. Connect the power adaptor to the DC jack of HE-A8L to powered up the unit
7. Connect the CAT5/6 cable between the "LINK" port of HE-A1L (or HE-A8L) and the "LINK" port of HE-A2RS.
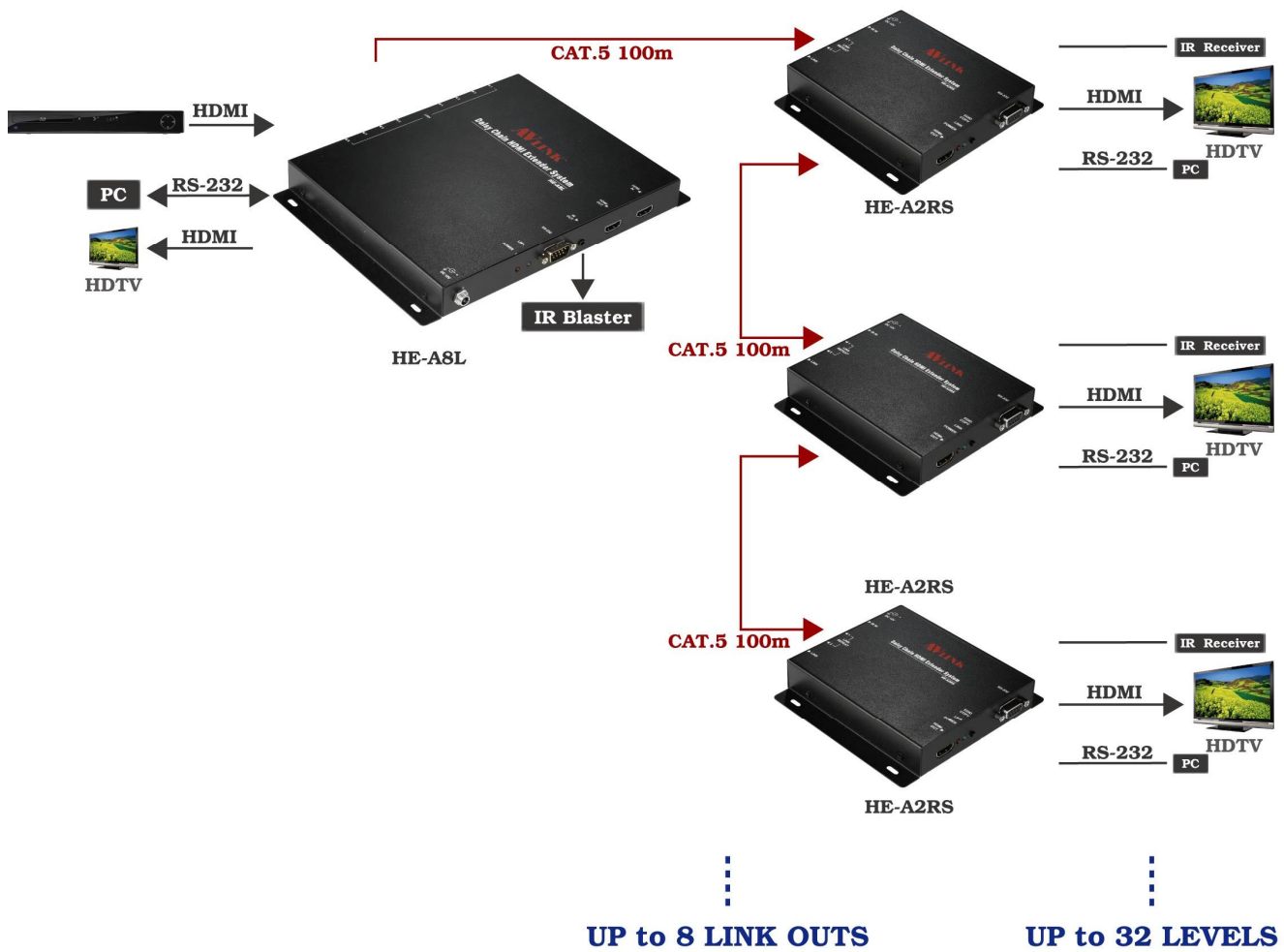8. Turn ON the Video Source Device and Monitor

Note

▪ It's recommended to set all Monitors with the same resolution. If not, please find the lowest resolution Monitor first, and then "press and hold 2 seconds" the EDID COPY PUSHBUTTON of HE-A2RS which connected to that monitor for broadcasting the lowest resolution to ALL of other monitors.

▪ It's recommended to have the STANDARD 1.8M HDMI cable for the connection to get the better video quality.

▪ When connecting the HE-A8L to the computer of RS-232 port, please use RS-232 cable(null modem female to female).

Cascade Connection Diagram

HE-A1L / HE-A2RS

HE-A8L / A2RS

HE-A8L

HE-A2RS

CAT.5 100m

IR Blaster

CAT.5 100m

HE-A2RS

CAT.5 100m

HE-A2RS

UP to 8 LINK OUTS

UP to 32 LEVELS

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