

HDMI-1-ERM TOP VIEW



1. EQ Indicator
LED ON = Auto EQ
LED OFF = Manual EQ

HDMI-1-ERM REAR VIEW



1. EQ Adjustment
2. DC 5V 2A Power
3. EQ Indicator:
ON = Auto EQ
OFF = Manual EQ
4. Link Indicator for Local Monitor Output
5. RJ45 for CATx Output to Receiver
6. Local HDMI Monitor Output
7. Link Indicator
8. Power Indicator
9. RJ-45 HDMI Input

Troubleshooting Q & A

There is no image on the Local Monitor Output

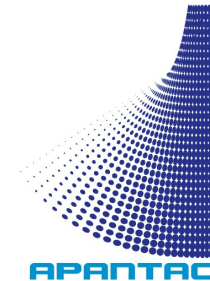
Check the following:

- Cable Length
- Cable Quality — low skew FTP cables perform better than regular network cables.
- Adjust the EQ knob slowly until the image appears.

The output of display have noise or occasionally flashes

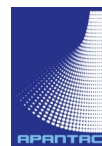
Check the following:

- Cable Distance
- Cable Quality
- Slowly adjust the EQ knob on the HDMI-1-R until the image appears. It is best to use a pattern generator instead of the source to perform this adjustment.
- Check for excessive RF interference in the room.



HDMI-1-ERM USER MANUAL

HDMI CATx Extender/Receiver with Local Monitor Out



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Package Contents

- 1 x HDMI-1-ERM
- User Manual
- Power Adapters (5V 2A)

Features

- Can be used together with HDMI-1-E or HDMI-1-EM to provide longer extension distance
- Supports HDMI 1.2 and 1.3a
- Local Monitor Output
- Plug and Play
- Magnetic mounting plate for easy installation

Specifications

FEATURES/MODEL	HDMI-1-ERM
Input	1 x RJ45
Output	1 x HDMI A-Type Female, 1 x RJ-45
Adjustment	Equalizer
Max Resolution	1080p 60Hz
Cable Distance	18m/55ft @ 1080p
Power Adapter	5V 2A DC
Dimension (mm)	62 W x 113 x D 29 H

EXTENDERS

HDMI-1-EM - Extender with local monitor output.



HDMI-1-EM - Extender with local monitor output.



Installation

1. Connect HDMI monitor to HDMI-1-ERM.
2. Plug in the power.
3. Cascading: The RJ-45 <LINK IN> port is designed to receive the HDMI single from either HDMI-1-E or HDMI-1-EM Extenders.

EQ ADJUSTMENT

1. In most cases the EQ Adjustment can be set to Auto-mode by turning the dial all the way counter clockwise.
2. If there are green and red dots on the HDMI monitor, then adjust the EQ to manual mode. Once you are in manual mode, adjust the EQ very slowly as it is very sensitive
3. Once you are in manual mode, the "Auto" on the top of the HDMI-1-ERM will turn off.

RECEIVERS

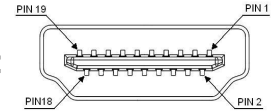
HDMI-1-R - long distance receiver - up to 115 ft (35



HDMI-SR - short distance receiver - up to 35 ft (10 m)

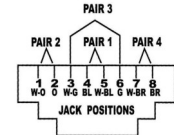


HDMI Pin Out



Pin #	Signal	Pin #	Signal
1	TMDS Data 2+	11	TMDS Clock Shield
2	TMDS Data 2 Shield	12	TMDS Clock -
3	TMDS Data 2-	13	CEC
4	TMDS Data 1+	14	Reserved (N.C. on device)
5	TMDS Data 1 Shield	15	SCL
6	TMDS Data 1-	16	SDA
7	TMDS Data 0+	17	DDC/CEC Ground
8	TMDS Data 0 Shield	18	+5 Power
9	TMDS Data 0-	19	Hot Plug Detect
10	TMDS Clock+		

CATx Wiring



Identification	Pin Assignment	Color Code
Pair 1	5	White-Blue
	4	Blue
Pair 2	1	White-Orange
	2	Orange
Pair 3	3	White-Green
	6	Green
Pair 4	7	White-Brown
	8	Brown