DVI-1-E

DVI-1-LR

USER MANUAL

Package Contents

- 1 x DVI-1-E or 1 x DVI-1-LR
  (Both of above when purchased in a set)
- User Manual (s)
- Power Supplies (9V 0.75A)
  (For DVI-1-LR)

Features

- Extends 1080p signals up to 115 feet (35 meters)
  With a single CATx cable
- EDID Learning
- Retains EDID after Learning
- Computer can boot up without a Monitor
- No External Power Needed on the DVI-1-E
- Adjustable Equalization to maximize image quality

Specifications

FEATURES/MODEL	HDBT-1-E	DVI-1-LR
DVI In	1 x DVI Male	None
HDMI Out		1 x DVI Female
RJ-45	1	1
Max Resolution	1080p 60Hz	1080p 60Hz
Cable Distance	35m/115ft @ 1080p	35m/115ft @ 1080p
Power Adapter	Self Power from DVI Port	9V 0.75A DC
Dimension (mm)	42 W x 68 D x 19 H	113 W x 62 D x 29 H

DVI-1-E REAR VIEW

1. Link Activity Status (Green)
2. Local Power Status (Amber)
3. RJ45 for CATx Output to Receiver

DVI-1-LR REAR VIEW

1. EQ Adjustment Knob
2. DC 9V 0.75A Power
3. DVI-D Out
4. Link Activity Status (Green)
5. Local Power Status (Amber)
6. RJ45 for CATx Output to Receiver

DVI-1-LR TOP VIEW

Installation

- Turn off all devices
- Connect the DVI-1-E to the source
- Turn the EQ adjustment knob on the DVI-1-LR all the way counter clock wise. This will put the EQ in the "Auto Position"
- Connect the DVI cable between the DVI-1-LR between the monitor and the <DVI OUT> port of the DVI-1-LR
- Connect the CATx cable between the DVI-1-E and DVI-1-LR's RJ45 ports
- Connect the Power

What do the LED Lights Mean?

DVI-1-E

- The amber LED (Local Power Status) on the DVI-1-E will come on, when it is connected to the PC
- Both the green and amber LEDs will come on, when the power and the source are plugged in

HDMI-1-LR

- When starting for the first time, make sure the EQ knob is turn all the way counter clock wise. This puts the unit to "AUTO" EQ
- The amber LED will be flashing once the power is applied to the unit
- Both the green and amber LEDs will be lit and steady, when the power, DVI monitor cable and the CATx are plugged in

EQ ADJUSTMENT

- When the amber LED on the DVI-1-LR is lit and steady, this means the unit is in AUTO EQ mode. Once the amber LED is off, the unit is in manual EQ mode.
- Make sure you adjustment the EQ slowly, the adjustment are very sensitive

EDID Learning

EDID mismatch is one of the most common problem in the display and extender industry. Learning the EDID on the HDMI-1-E can easily solve this issue

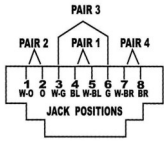
1. Turn on the display
2. Connect the DVI-1-E to the display (do not connect the CATx cable)
3. The green LED will lit for one second, then off, and the amber LED will remain flashing
4. This means the EDID from the display is now stored in the DVI-1-E

If the amber LED did not light up, this means, the display does not provide a steady 5V.

If you have 2 DVI-1-E, connect one to the display and the other to the source, then connect the CATx cable, this will give you a steady 5V to learn the EDID.

If you have 1 x DVI-1-E and 1 x DVI-1-LR, then connect the DVI-1-LR to the source and DVI-1-E to the display. After the CATx is connected, it will give you a steady 5V to learn the EDID

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

Trouble Shooting Q/A

Q: There is no image on my Monitor
A: This may be an EDID issue. Follow the EDID learning procedure described earlier

Q: There is no image on my Monitor
A: Check the following

- Cable Length
- The quality of the cable, low skew FTP cables performs better than regular network cables
- Slowly adjust the EQ knob until the image appears

Q: The output of display have noise or occasionally flashes

- Check the cable distance
- Check cable quality
- Slowly adjust the EQ knob 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

If the flashing persists, you may want to consider using the Apantac HD Base T product (HDBT-SET-1) or the Apantac DVI over fiber products (DVI-xx-SC) to resolve this issue

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