DVI EXTENDER

AVLINK™

DVI-ELW (Local)

DVI-ERW (Remote)

USER MANUAL
DVI-EXW

V1.1

Package Contents-

- 1x DVI-ELW Local Unit
- 1x DVI-ERW Remote Unit
- 1 user manual
- 2x Power adapter DC 12V with lock
- 1x DVI 1.2M cable (DVI-D Male to Male)
- 1x IR Blaster Cable(Peak Wavelength 940nm)
- 1x IR Receiver Cable
- 4x screws
- 8x foot pads

Any thing missed, please contact with your vendor.

Features

- Through the DVI Extender, you can use one PC to display identical image and extension of DVI signal up to 100 meter on DVI monitor
- Supports resolution up 1920x1200
- HDCP Compliant
- Support RS-232(Bi-direction transfer)
- Supports all frequency band IR control
- One CAT.5 cable extension
- HD-baseT technology
- Use CAT.5 cable to install easily

Specifications

Function	DVI-ELW	DVI-ERW
DVI In Connector	DVI Female x 1	None
DVI Out Connector	None	DVI Female x 1
RJ-45 Connector	1	
IR OUT	3.5 ϕ Stereo Jack x 1	None
IR2 IN	None	3.5 ϕ Stereo Jack x 1
Max. Resolution	Up to 1920x1200	
Cable Distance	100 m (Max.)	
Power Adapter (Min.)	DC 12V with lock	
Housing	Metal	
Weight	313g	315g
Dimensions (LxWxH)	150x80x35mm	

LOCAL FRONT VIEW

1. IR OUT
2. HDCP LED
3. LINK LED
4. MODE LED
5. POWER LED

LOCAL REAR VIEW

1. Power jack (12V DC)
2. LINK (RJ-45 Connector)
3. DVI IN
4. RS-232

REMOTE FRONT VIEW

1. IR2 IN
2. IR1 IN
3. HDCP LED
4. LINK LED
5. MODE LED
6. POWER LED

REMOTE REAR VIEW

1. Power jack (12V DC)
2. LINK (RJ-45 Connector)
3. DVI OUT
4. RS-232

Installation

1. Turn off the PC and DVI monitor.
2. Connect the DVI extension cable between the PC and the “DVI IN” port of DVI-ELW.
3. Connect the DVI extension cable between the DVI monitor and the “DVI OUT” port of DVI-ERW.
4. Connect the CAT.5 cables between the DVI-ELW “LINK” port and the DVI-ERW “LINK” port of extender.
5. Connect the power cord and turn on the extender.
6. Turn on the PC and DVI monitor.

IR Receiver Cable Directions:

Put it into the DVI-ERW “IR2 IN” port and place the IR Receiver Cable, so that you can point to it easily with your IR remote controller.

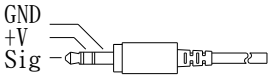
IR Blaster Cable Directions:

Plug IR blaster cable plug into DVI-ELW “IR OUT” port, it sits in front of the device receiver’s IR sensor, which is located on the front-panel.

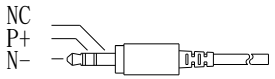
Additional Options

Select any additional options you may require.

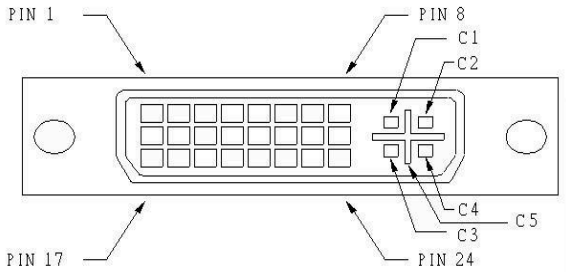
1. IR Receiver Cable



2. IR Blaster Cable



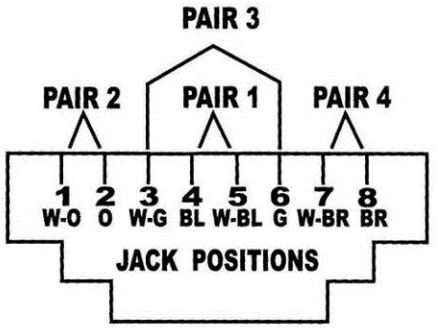
Technical Specifications Output Signal



Pin #	Signal	Pin #	Signal
1	T.M.D.S Data 2-	16	Hot Plug Detect
2	T.M.D.S Data 2+	17	T.M.D.S Data 0-
3	T.M.D.S Data 2/4 Shield	18	T.M.D.S Data 0+
4	T.M.D.S Data 4-	19	T.M.D.S Data 0/5 Shield
5	T.M.D.S Data 4+	20	T.M.D.S Data 5-
6	DDC Clock	21	T.M.D.S Data 5+
7	DDC Data	22	T.M.D.S Clock Shield
8	Analog Vert. Sync	23	T.M.D.S Clock+
9	T.M.D.S Data 1-	24	T.M.D.S Clock-
10	T.M.D.S Data 1+		
11	T.M.D.S Data 1/3 Shield	C1	Analog Red
12	T.M.D.S Data 3-	C2	Analog Green
13	T.M.D.S Data 3+	C3	Analog Blue
14	+5V Power	C4	Analog Horz Sync
15	GND	C5	Analog Ground

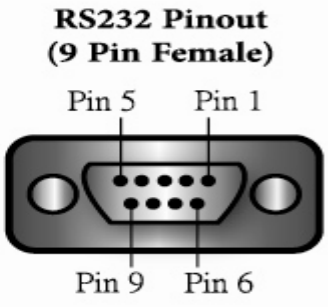
Wiring Information & Coding

Conductor Identification	RJ45 Pin Assignment	Color Code for Conductor
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



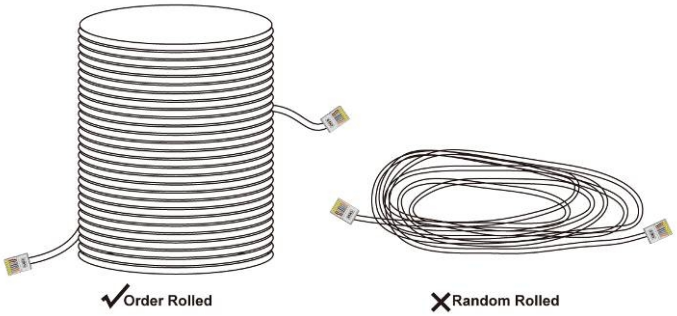
RS232/D-Sub 9 Pin Definitions

Pin 1	N/C
Pin 2	TxD (Data Out)
Pin 3	RxD (Data In)
Pin 4	N/C
Pin 5	GND
Pin 6	N/C
Pin 7	N/C
Pin 8	N/C
Pin 9	N/C



Note

However sometimes, especially in demonstrations or in a lab environment, the cable is rolled randomly in small turns for convenience. The randomly rolled UTP cable suffers additional signal impairments (compared to a straight cable) and therefore the maximal operating reach might be reduced.
Rolling a CAT5E cable around a 70cm fixed diameter plastic drum has just a minor effect on the FEXT (Far End Cross Talk) when compared to a fully stretched cable.



Trademarks:
All the companies, brand names, and product names referred to this manual are the trademarks or registered trademarks belonging to their respective companies.