DISPLAYPORT EXTENDER

AVLINK™

DP-ELW
(Local)

DP-ERW
(Remote)

USER MANUAL V1.1
DP-EXW

Package Contents-
- 1x DP-ELW local unit
- 1x DP-ERW remote unit
- 1x User manual
- 2x Power adapter DC 12V with lock
- 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 DisplayPort extender, you can use one PC to display identical image and extension of DiplayPort signal up to 100 meter on monitor.
- Video bandwidth up to 300MHz
- HDCP compliant
- Supports 3D pass-through
- Support RS-232 bi-direction transfer)
- Supports all frequency band IR control
- Use CATx cable to install easily

Resolution	Cable Type	DP-EXW
1080P(12bit)	Cat5e	100M
1080P 3D	Cat5e	90M
4Kx2K	Cat5E	90M
	Cat6 / Cat6a / Cat7	100M

Specifications

Function	DP-ELW	DP-ERW
DisplayPort in Connector	DisplayPort Female x 1	None
DisplayPort out connector	None	DisplayPort Female x 1
RJ-45 connector	1	
IR OUT	3.5ψ Stereo Jack x 1	3.5ψ Stereo Jack x 1
IR IN	3.5ψ Stereo Jack x 1	3.5ψ Stereo Jack x 1
Bandwidth	300MHz	
Cable distance	100m (Max.)	
Power adapter (Min.)	DC 12V with lock	
Housing	Metal	
Weight	456g	458g
Dimensions (LxWxH)	171x120x25 mm	

LOCAL FRONT VIEW

1. IR OUT
2. IR IN
3. RESET KEY
4. DIP SWITCH
5. HDCP LED
6. LINK LED
7. MODE LED
8. POWER LED

LOCAL REAR VIEW

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

REMOTE FRONT VIEW

1. IR OUT
2. IR IN
3. RESET KEY
4. DIP SWITCH
5. HDCP LED
6. LINK LED
7. MODE LED
8. POWER LED

REMOTE REAR VIEW

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

Installation

1. Turn off the PC and Monitor.
2. Connect the DisplayPort extension cable between the PC and the "PD IN" port of PD-ELW.
3. Connect the DisplayPort extension cable between the Monitor and the "DP OUT" port of PD-ERW.
4. Connect the CATx cables between the DP-ELW "LINK" port and the DP-ERW "LINK" port of extender.
5. Connect the power cord and turn on the extender.
6. Turn on the PC and Monitor.

IR receiver cable directions:

Put it into the PD-EXW "IR IN" port and place the IR receiver cable, so that you can point to it easily with your IR remote controller.
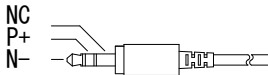
IR blaster cable directions:

Plug the IR blaster cable plug into the HDMI-EXW "IR OUT" port, which is placed in front of the DVD receiver's IR sensor, located on the front-panel.

Additional options:

Select any additional options you may require.
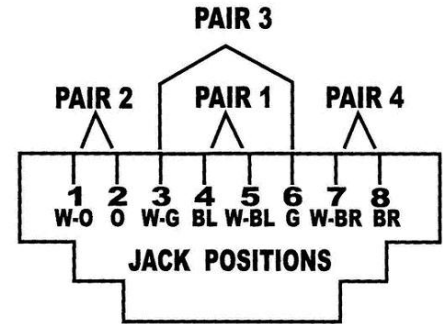1. IR receiver cable

```
GND
+V
Sig
```

2. IR Blaster Cable

```
NC
P+
N-
```
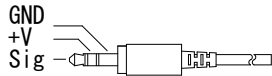
Wiring information & coding

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

```
          PAIR 3
PAIR 2   PAIR 1   PAIR 4
  1  2  3  4  5  6  7  8
 W-O O W-G BL W-BL G W-BR BR
        JACK POSITIONS
```

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

RS232 Pinout (9 Pin Female)

Pin 5   Pin 1
Pin 9   Pin 6
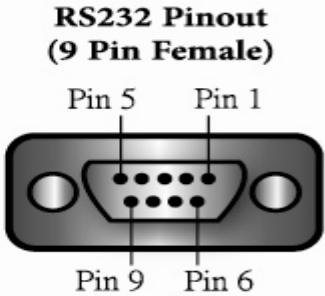
Note

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 CAT.x 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.
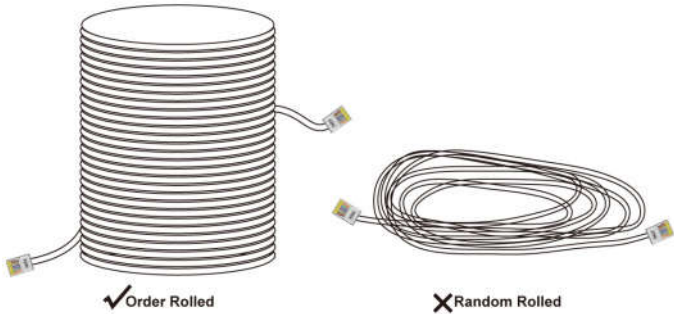
✓ Order Rolled   ✗ Random Rolled

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