



ADDERLink™ DV104T

Digital Video Extender

Digital video/audio switch and extender to drive up to four remote displays.



Features

Two input, four output, video splitter and extender

The ADDERLink DV104T is an intelligent non blocking cross point switch and extender. These configurations can be selected dynamically via the web interface or controlled by a 3rd party control system.

Proof of Display via IP network

The unit determines if the entire system is operating correctly and video is visible on the monitors. It can detect if video is present from the player and whether the cables to the monitors are attached and the monitor is turned on. This information is available by an IP socket thus allowing remote diagnostics and integration into content management systems.

Source failover

The unit can be set to detect that a video stream is present at the input. The unit can be set to automatically switch over to the second video input if the primary fails.

Security

Security on the web interface is by HTTP digest authentication (RFC 2617) with username and password as requested information.

API for 3rd party integration

The API documentation to control and receive data from the unit is provided with the system.

Digital audio

Supports 8 channels of HDMI audio.

Perfect HD Digital Video

The DV104T uses an uncompressed video system where every frame is sent without loss with resolutions up to 1920x1200 @60Hz (WUXGA) including 1080p, 720p and 480p resolutions.

50m/164ft over a single CATx cable

Video, audio and power all pass along a single CATx cable, providing up to 50m/164ft of extension. Distance can be dependent upon CATx cable types and the number of connection breaks for patch panels and wall plates. See overleaf for details.

Dual head extension

With two inputs, the system is suited to extending and splitting dual head systems.

Highly energy efficient - no external power supplies are required

The receivers are designed to be highly power efficient, using less than an eighth of the power required by similar systems. Power is supplied via the CATx cable meaning the support infrastructure required is minimal.

EDID management

The system has intelligent EDID management allowing the true characteristics of the monitor to be passed back to the computer.

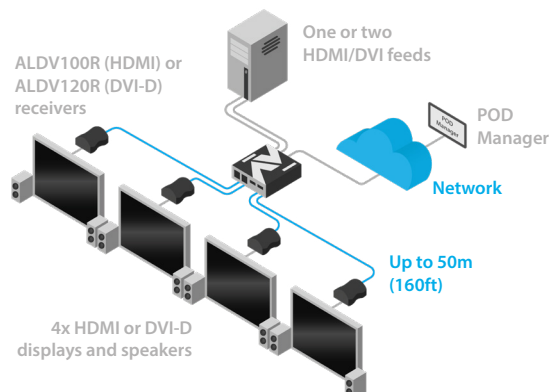
Plug and Play

The DV104T is delivered in a zero config. state so you can plug and play. There is no need for additional drivers or software.

Product in Brief

ADDERLink™ DV104T is a high performance digital video extender and splitter that enables you to locate your critical play out hardware in a secure and temperature controlled environment away from the display point environment whilst maintaining the same user experience.

- Proof of Display (P.O.D.)
- 50m/164ft extension distance
- Plug and Play
- Two video inputs, four video outputs
- High definition 1920x1200 video @60Hz
- Line powered receivers



Extension distance information

Recommended cables are CAT7a shielded foiled twisted pairs:

Resolution	Cable Type	Patch Connections	Total Distance
1920x1200 @60Hz	CAT7a	0	50m/164ft
1920x1200 @60Hz	CAT6a (shielded)	0	50m/164ft
1920x1200 @60Hz	CAT6a (shielded)	2	40m/131ft
1920x1200 @60Hz	CAT7a	2	40m/131ft

Daetwyler 7702 Flexible patch cable
Daetwyler 7120 Bulk cable

Category 6 (or better) shielded twisted pair cable must be used to connect the local and remote units in order to maintain compliance with radio frequency energy emission regulations and ensure a suitably high level of immunity to electromagnetic disturbances.

Note: Distances are achieved using single lengths of trunk/bulk cable. For each break/patch connection reduce distance by 5m/16ft. Preferably patch cables should be of type CAT7a and less than 2 meters. Patch cables over 2 meters must be CAT7a.

Technical specifications

Hardware compatibility

- All computers with HDMI connections - requirement dependent
- Will also connect to DVI/DisplayPort™ with suitable cables

HDMI interface

- The system supports resolutions such as 480p, 720p, 1080P or WUXGA (1920x1200) @60Hz and 24 bit color depth
- Does not support HDCP

Software compatibility

- All known operating systems

Audio

- The system delivers eight channels of HDMI audio with sample sizes of 16, 20 or 24 bit at 32kHz, 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, or 192kHz

Connections

- 2x HDMI type A male
- 4x CATx sockets for link outputs
- 1x 10/100Base-TX network port (config)
- 1x 6P6C RJ12 connector (options port)
- 2.5mm DC power jack

Operating temperature

- 0 to 40°C/32 to 104°F

Physical design

Robust metal construction

- (W)115mm/4.5" x (D)114mm/4.5" x (H)26mm/ 1.0"
- Weight 440g/0.97lb

Power

- 3pin Toby jack (power adapter included)
- 100-240VAC 50/60Hz, 0.8A, input to power adapter
- 12VDC 18W output from power adapter

Approvals

- CE, FCC
- See the compliance web page for the full list



Proof of Display (P.O.D.)

Adder's unique P.O.D. system can be accessed by any computer, connected to your network.



ADDERLink DV104T - Front



ADDERLink DV104T - Back

Ordering Information

ALDV104T-XX: DV104T transmitter unit

What's in the Box?

- 1x ADDERLink DV104T unit
- 1x Country specific mains cable
- 1x Locking HDMI 1.5m/4.9ft cable (VSCD12)
- 1x Quick start guide

Accessories (Sold separately)

- VSCD12:** Locking HDMI 1.5m/4.9ft cable
- VSCAT7-50:** 50m/164ft CAT7 Shielded foiled twisted pair cable
- ALAV-RMK-CHASSIS:** 19" 3U rack mount chassis
- ALDV-RMK-FASCIA:** Universal fascia & mounting kit
- ALDV100R:** HDMI reciever
- ALDV120R:** DVI-D reciever

About Adder

Adder is a leading developer and thought leader in connectivity solutions. Adder's advanced range of KVM switches, extenders and IP solutions enable the control of local, remote and global IT systems across the enterprise. The company distributes its products in more than 60 countries through a network of distributors, resellers and OEMs.

Adder has offices in China, Germany, Japan, the Netherlands, Singapore, Spain, France, Sweden, United Kingdom and United States.

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THE IP KVM PEOPLE

DATA SHEET