



Second generation analogue KVMA extender for multi monitor desktops

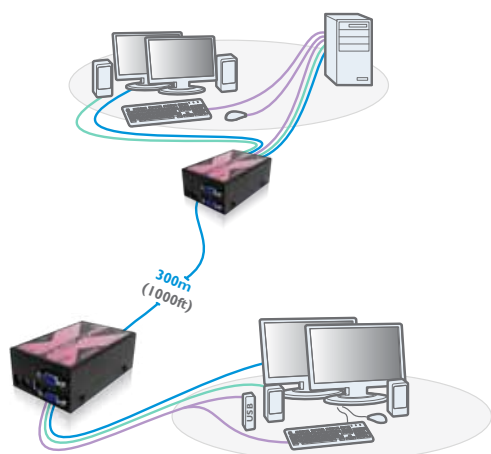
## ADDERLINK X-USB PRO MS

Second generation analogue KVMA extender for multi monitor desktops

### PRODUCT IN BRIEF

Adder's next generation USB, video and audio extender delivers sharp, bright and high resolution video images and high quality audio for multi screen desktops at distances up to 300m (1000ft) over CATx cables.

The ADDERLink X-USB PRO MS has been designed to provide industry-leading video clarity, compatibility and high rack densities.



### FEATURES

#### Precision video

VGA resolutions of 1920x1200 are achievable at 300 meters (1000ft). This is achieved by including a variable noise filter which overcomes issues introduced by increased gain as the length of the cable increases over 200 meters.

#### Video compensation

A multi-pole compensation technique is used to enable superb video quality at maximum distance over a single cable. For the first time, adjustment can be made for cable type and cable length with further color skew compensation and gain adjustment to ensure crystal clear images, all from the receiver's keyboard.

#### Local feed through port

A local feed through port is provided for audio and video so a local console can be used.

#### Emulated two page DDC EDID

This extender supports full two page DDC EDID. Some high performance video cards require the two page data or they will not deliver optimal performance.

#### USB support

The X-USB PRO MS extends USB 2.0 (low and full speed) allowing all USB compatible accessories (including isochronous devices) to be extended. The receiver unit has a built in 4 port USB hub to enable a complete desktop to be located remotely, including a keyboard,



monitor, mouse, disk drive, flash memory stick, webcam, and any other device that would normally be plugged into your computer's USB port.

#### CD quality audio extension

16 bit stereo audio sampled at 44.1KHz (CD quality) is transferred from local to remote for a line out/speakers scenario.

#### Dual user configuration

Two X-USB PRO MS units can be linked to a single computer so two users can access the system. When using two sets of X-USB PRO MS modules to allow two users to access a single computer the arbitration between the users is handled by the USB sub-system of the computer. This means that both users can control the computer at exactly the same time and the resulting keyboard and mouse influences will be an amalgam of the two inputs.

#### Rack options

Both transmitter and receiver units can be used stand-alone or up to 8 units can be mounted into a 2U chassis.

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## 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 the United States, United Kingdom, Germany, the Netherlands, Sweden, China and Singapore.

To find out more, visit:  
<http://www.adder.com>

## TECHNICAL SPECIFICATIONS

### Video Resolution

Video resolution up to 1920x1200 at 60Hz

### Skew compensation

62ns de-skew with 2ns resolution (1/4 pixel at 1600x1200)

### Extension Distance

200 meters using CAT5 Trunk cable  
250 meters using CAT5e Trunk cable  
300 meters using CAT6 Trunk cable  
300 meters using CAT7 Trunk cable  
200 meters using CAT7a Patch cable

### Audio (end to end)

16 bit stereo audio at 44.1 KHz  
THD+N typically -80dB at 1kHz  
SNR typically 85dB at 1kHz

### O/S Compatibility

Operating system independent

### Connectors (local / remote)

**Local:** 4 x 15 Pin D Type VGA, 1 x USB B, power jack, 2 x 3.5 mm jack socket and 2 x RJ45

**Remote:** 2 x 15 Pin D Type VGA, 4 x USB A, power jack, 3.5mm jack socket and 2 x RJ45

### Physical design

**Local:** All metal case, 122mm / 4.7" (w) x 75mm / 3" (d) x 48mm / 2" (h) 500g / 1.1 lb.

**Remote:** All metal case, 162mm / 6.4" (w) x 75mm / 3" (d) x 48mm / 2" (h) 650g / 1.4 lb.

## ORDERING INFORMATION

ADDERLink X-USB PRO MS: X-USBPRO-MS-XX

XX	= Mains Lead Country Code:
UK	= United Kingdom
US	= United States
EURO	= Europe
AUS	= Australia

## ADDITIONAL ACCESSORIES

Rack mount plate with screws included: X-RM-FASCIA  
Rack mount chassis: X-RMK-CHASSIS

## RELATED PRODUCTS

Adder offer a vast range of products to suit your needs. Other products you may be interested in include:

ADDERLink INFINITY  
ALIF1000P; ALIF1000R;  
ALIF1000T



ADDERLink X50  
X50



ADDERLink X50 MS  
X50-MS



ADDERLink X DVI PRO  
X-DVIPRO



ADDERLink X200  
X200/R; X200A/R;  
X200AS/R



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