

# SDMX/R2

## PS/2 Mini Extender Remote Unit

*Extends two channels of high-resolution video and PS/2 keyboard and mouse signals up to 50m over Category 5, 5e, 6 or Level 7 (CATx) cable.*

- **Dual-head video support**
- **High video resolution: 1600x1200@75Hz over 50m**
- **DDC emulation**  
(when used with compatible Local units/hubs)
- **Control and video tuning from Remote keyboard (settings stored in EEPROM memory)**
- **Flash upgradeable**
- **Status indicator LEDs on RJ45 ports**
- **Surge-protected CATx interfaces**
- **Small footprint chassis**
- **Rack mount kit available**



Front view



Rear view

### Compatibility

The SDMX/R2 dual channel Remote unit offers compatibility with the following rack mount KVM extenders:

- SDRK/6
- SDRK/6D
- SDRK/12
- SDRK/6A\*
- SDRK/6AD\*

\* Video only applications

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## PS/2 Mini Extender

### Remote Unit

## Specification

### Video

<b>Maximum Resolution</b>	1600x1200@75Hz over 50m
<b>Video Compatibility</b>	VGA to UXGA, RGB
<b>Video I/O</b>	0.7V P-P
<b>VESA DDC</b>	Compatible Local Unit/Hub emulates universal monitor. DDC information may be disabled, flash-upgraded or read from remote monitor(s).
<b>Video Compensation</b>	Two ranges: 5-25m, 25-50m; set by keyboard command
<b>Video Coupling</b>	DC
<b>Sync I/O</b>	Separate/Composite TTL level Sync on green Sync polarity is preserved
<b>Video Out Connectors</b>	HD15 (female)

### Keyboard and Mouse

<b>KB Compatibility</b>	PC/AT, PS/2
<b>Mouse Compatibility</b>	Standard PS/2 two/three button Standard wheel mice
<b>Connectors</b>	6-pin miniDIN socket

### Power Requirements

<b>Remote Unit</b>	5V DC, 0.75A (max) 2.1mm DC jack (centre positive)
<b>Remote Unit PSU</b>	5V DC, 4A (20W) Universal IEC input 2.1mm DC jack (centre positive)
<b>Overvoltage Protection</b>	Unit switches off if input exceeds 5.6V

### Size and Shipping Weight

<b>Remote Unit</b>	138x100x29mm
<b>Shipping Weight</b>	1.1 kg

### Environmental

<b>Operating Temp</b>	0 to 40 °C
<b>Storage Temp</b>	-30 to 65 °C
<b>Relative Humidity</b>	5-90% non-condensing
<b>Chassis Construction</b>	Fully shielded. Black painted steel
<b>Approvals</b>	CE, FCC (Class A)

## Example Application

**SDRK/6 Hub used with three SDMX/R2 units to extend dual video from three CPUs**

