

# SDBX/S2-1

## Dual Channel CATx KVM Extender Kit

All you need to extend two channels of high-resolution video and PS/2 keyboard and mouse signals up to 300m over Category 5, 5e, 6 or Level 7 (CATx) cable.

- **Dual-head video support**
- **High video resolution:**  
1600x1200@60Hz over 200m  
1280x1024@75Hz over 300m
- **Independent low frequency (LF) and high frequency (HF) cable equalization to match all cable types**
- **Fully integrated skew compensation**
- **DDC support on both video channels**
- **Flash upgradeable**
- **Control and video tuning from Remote keyboard (settings stored in EEPROM memory)**
- **Surge-protected CATx interfaces**
- **Status indicator LEDs on RJ45 ports**
- **Small footprint chassis**
- **Rack mount kit available**

Remote unit - front view



### Contents

- Extender Remote unit
- 9V DC universal power supply for Remote unit
- Extender Local unit
- KVM CPU combination cable (1.0m) with PS/2 keyboard and mouse connectors, VGA video connector, and 25-way extender connector
- CPU video cable (1.0m) with VGA video connectors
- IEC AC power cord
- Quick start guide



Local unit - rear view

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## Dual Channel

### CATx KVM Extender Kit

## Specification

### Video

<b>Maximum Resolution</b>	1600x1200@60Hz over 200m 1280x1024@75Hz over 300m Operation at higher resolutions/ refresh rates may be possible at shorter distances
<b>Video Compatibility</b>	VGA to UXGA, RGB
<b>Video I/O</b>	0.7V P-P
<b>VESA DDC</b>	Local Unit emulates universal monitor. DDC information may be disabled, flash-upgraded or read from remote monitor(s).
<b>Skew Compensation</b>	15-stage. 42ns max. 2.8ns per step. Compensation available on each colour
<b>Video Compensation</b>	Separate LF & HF equalizers
<b>Video Coupling</b>	DC
<b>Sync I/O</b>	Separate/composite TTL level Sync on green Sync polarity is preserved
<b>Video In Connectors</b>	Primary video: DB25 (female) Local Units (KVM); Secondary video: HD15 (male)
<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(CPU)</b>	DB25 (female) (KVM)
<b>Connectors (Device)</b>	6-pin miniDIN socket

### Power Requirements

<b>Local Unit</b>	5V at up to 220mA supplied by PC's PS/2 keyboard port. External PSU may also be connected (not included)
<b>Remote Unit</b>	9V regulated, 1A (max) PSU 0V must be isolated from power ground 2.5mm DC jack (centre positive)
<b>Remote Unit PSU</b>	9V DC, 2A (20W), isolated output Universal IEC input 2.5mm DC jack (centre positive)

### Size and Shipping Weight

<b>Local Unit</b>	145x100x29mm
<b>Remote Unit</b>	143x145x29mm
<b>Shipping Weight</b>	1.9 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)

## Application

