Quick Start Guide

Read this First

This Quick Start Guide describes the installation and configuration of the SDMX family of Dual-Head PS/2 Mini Extenders:

- SDMX/S2
- SDMX/D2
- SDMX/R2
- SDMX/SA2
- SDMX/DA2
- SDMX/RA2

Please follow these instructions to set up your KVM extender. To get the best out of the system, it is *essential* that you configure it correctly.

For more information, you can download the full manual for your product from:

http://manuals.kvmextender.info

We strongly recommend that you read the full manual.

If you have any problems or questions, contact your dealer for technical support.

Note: SDMX PS/2 Mini Extenders are compatible with SDLink, SDRK or SDBX extenders from the same family (Standard or Audio).

Package Contents

An SDMX PS/2 Mini Extender kit contains the following:

1 x Local unit
1 x Remote unit
1 x Remote unit 5V PSU
1 x IEC power cord
1 x Quick start guide
1 x KVM CPU combination cable (1.0m) with PS/2 (6-pin miniDIN male) keyboard and mouse connectors, VGA video (HD15 male) connector, and 25-way (DB25 male) extender connector.
1 x CPU video cable (1.0m) with VGA video (HD15 male/female) connectors
1 x Serial cable (1.0m), DB9 male/female, 1:1 connections (*SDMX/SA2 and SDMX/DA2 only*)
1 x Dual audio cable, (1.0m), 3.5mm jack plugs (*SDMX/SA2 and SDMX/DA2 only*)

Remote units are supplied without cables. If any items are missing or damaged please contact your dealer or technical support.

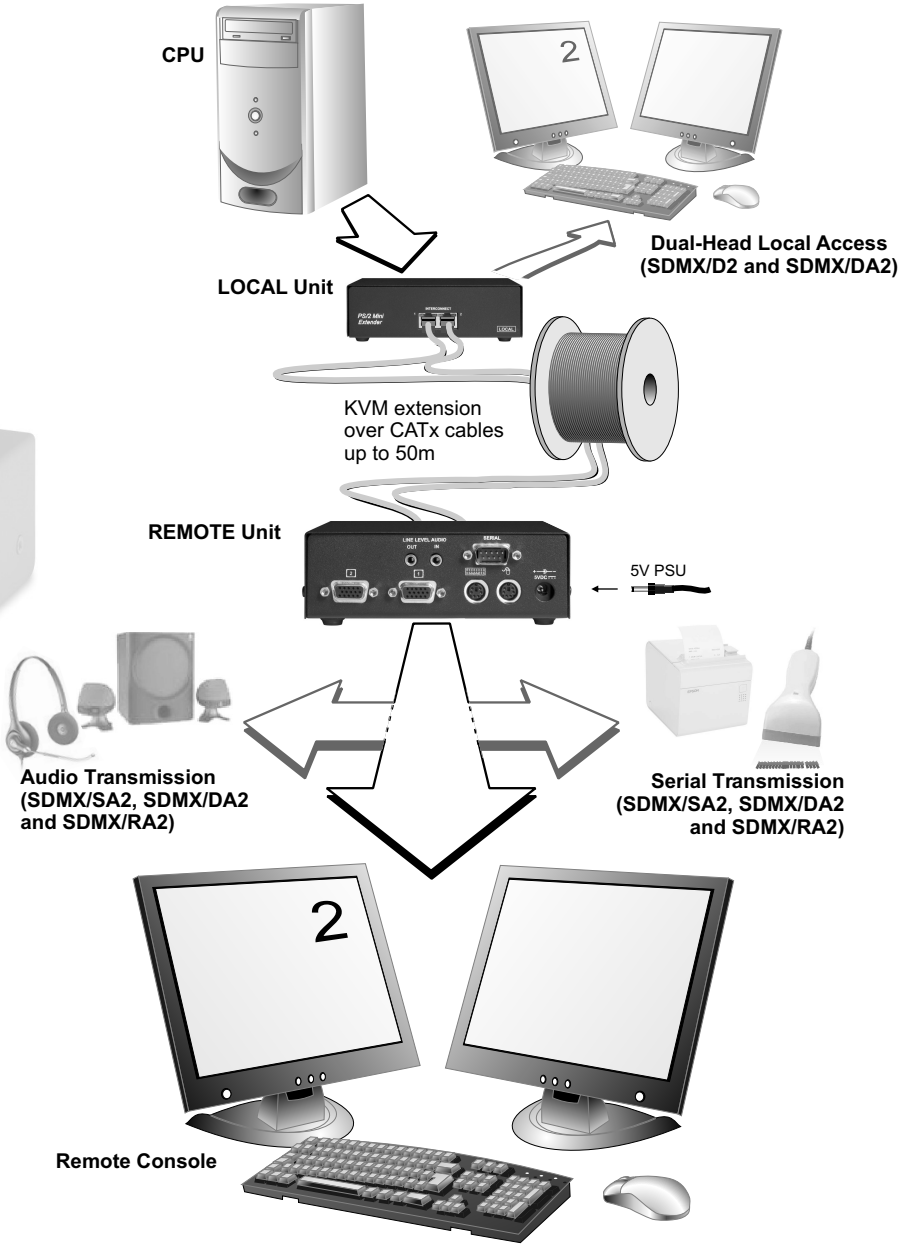
Power Supply

Connect the supplied 5V PSU to the Remote unit.

The Local unit normally takes power through the PC's keyboard port. In video only applications, this connection is not used and so an external PSU is required. Please contact Technical Support to obtain a suitable power supply.

Overview

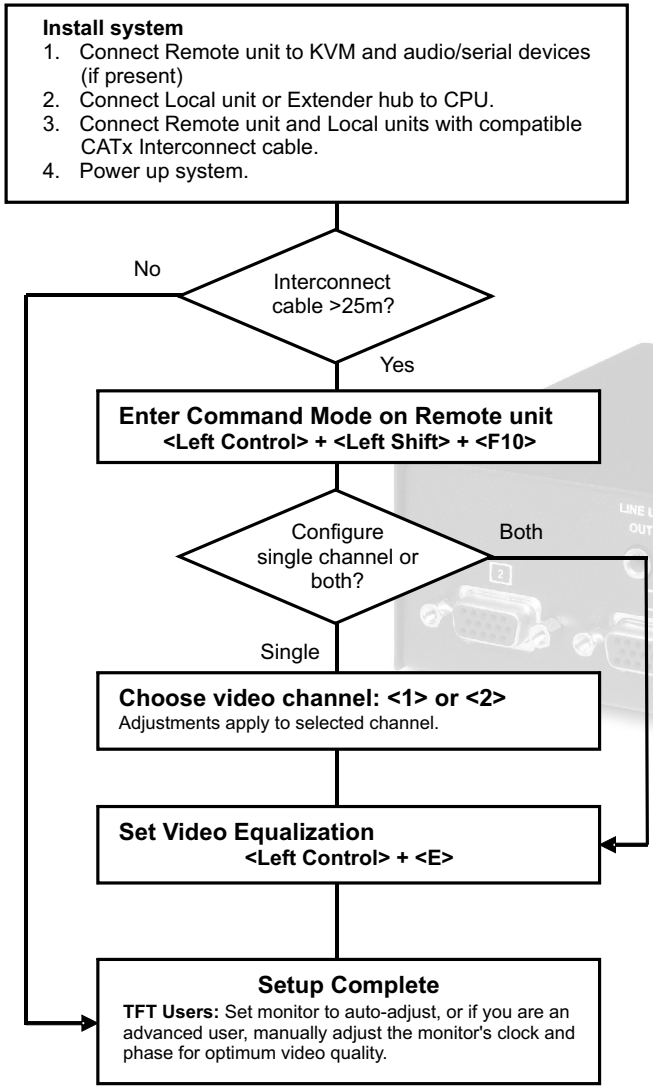
A basic KVM extension system comprises a Local unit (transmitter) and a Remote unit (receiver). The Local unit connects directly to the computer (or a KVM switch system) using the supplied cable(s). The user console (keyboard, mouse and monitors) attaches to the Remote unit. The Remote and Local units communicate video and data information along the connecting CATx cables.



Installation

SDMX PS/2 Mini Extenders enable two channels of high-resolution video, PS/2 keyboard and mouse, and, optionally, stereo audio and serial port signals to be communicated up to 50m over CATx (Category 5, 5e, 6 or higher) UTP/STP 4-pair cable. Models are available with dual-head local access.

SDMX PS/2 Mini Extender Local units provide DDC (Display Data Channel) emulation on both video channels. This ensures compatibility with multi-head graphics cards. For non-standard screen resolutions and refresh rates, the Remote unit can read the DDC table from the attached monitor(s), transferring and storing the data in the Local unit.



Commands

By using a specific 'hot' key sequence, you can put the Remote console keyboard into a Command mode. From this, you can use various keys and key combinations to equalize the video signal and generally configure the extender system. The following table summarizes the 'hot' key command sequences.

Command Mode	
Enter Command Mode*	<Left Control> + <Left Shift> + <F10>
Exit Command Mode & Save*	<ESC>
Exit Command Mode Without Save*	<Left Control> + <ESC>
Video Channel Selection	
Select Channel For Adjustment	<1>, <2>
Select BOTH Video Channels (default)	<0>
Video Equalization	
Toggle Video Equalization	<Left Control> + <E>
DDC	
Disable DDC Emulation	<Left Control> + <F2>
Enable DDC Emulation	<F2>
Transfer DDC from Monitor to Local Unit	<Left Control> + <D>
Reset Commands	
Reset Mouse and Keyboard*	<F1>
Mouse Recovery*	<F3>
Set Extender to Default State*	<Left Control> + <F9>
Private Mode Commands	
Toggle Private Mode*	<Scroll Lock>
Toggle Video Blanking State at Other Console*	<Left Control> + <Scroll Lock>

* Commands also available at Local console in Dual Access kits (SDMX/D2 and SDMX/DA2).

Transferring DDC Information

To support non-standard screen settings or other features, it is possible to read and store DDC information into the Local Unit directly from the monitors connected to the Remote Unit. You only need to carry out this procedure once; the Extender Units store the DDC information in non-volatile memory and restore it at power-up.

1. Ensure that you have installed and powered up the system correctly.
2. Connect the monitor to the 'monitor 1' socket on the Remote Unit.
3. Enter Command mode.
4. Select the video channel to which you want to apply the DDC settings by pressing either <1>, <2> or <0> (both channels).
5. Press the key combination:

<Left Control> + <D>

The DDC information is read from the monitor and applied to the selected video channel(s) in the Local unit. This may take a few seconds. The Remote console keyboard LEDs flash twice to indicate a successful transfer.

Always reboot Windows after adjusting a DDC parameter.