

## Read this First

This Quick Start Guide describes the installation and configuration of the SDBX family of Dual-Head CATx KVM extenders:

- SDBX/S2-1
- SDBX/SA2-1
- SDBX/D2
- SDBX/DA2

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:** These extenders are compatible with other SDBX, SDLink, SDMX or SDRK extenders from the same family (Standard or Audio).

## Package Contents

An SDBX CATx KVM Extender kit contains the following:

- 1 x Local unit
- 1 x Remote unit
- 1 x Remote unit 9V 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 (*SDBX/SA2-1 and SDBX/DA2 only*)
- 1 x Dual audio cable, (1.0m), 3.5mm jack plugs (*SDBX/SA2-1 and SDBX/DA2 only*)

## Power Supply

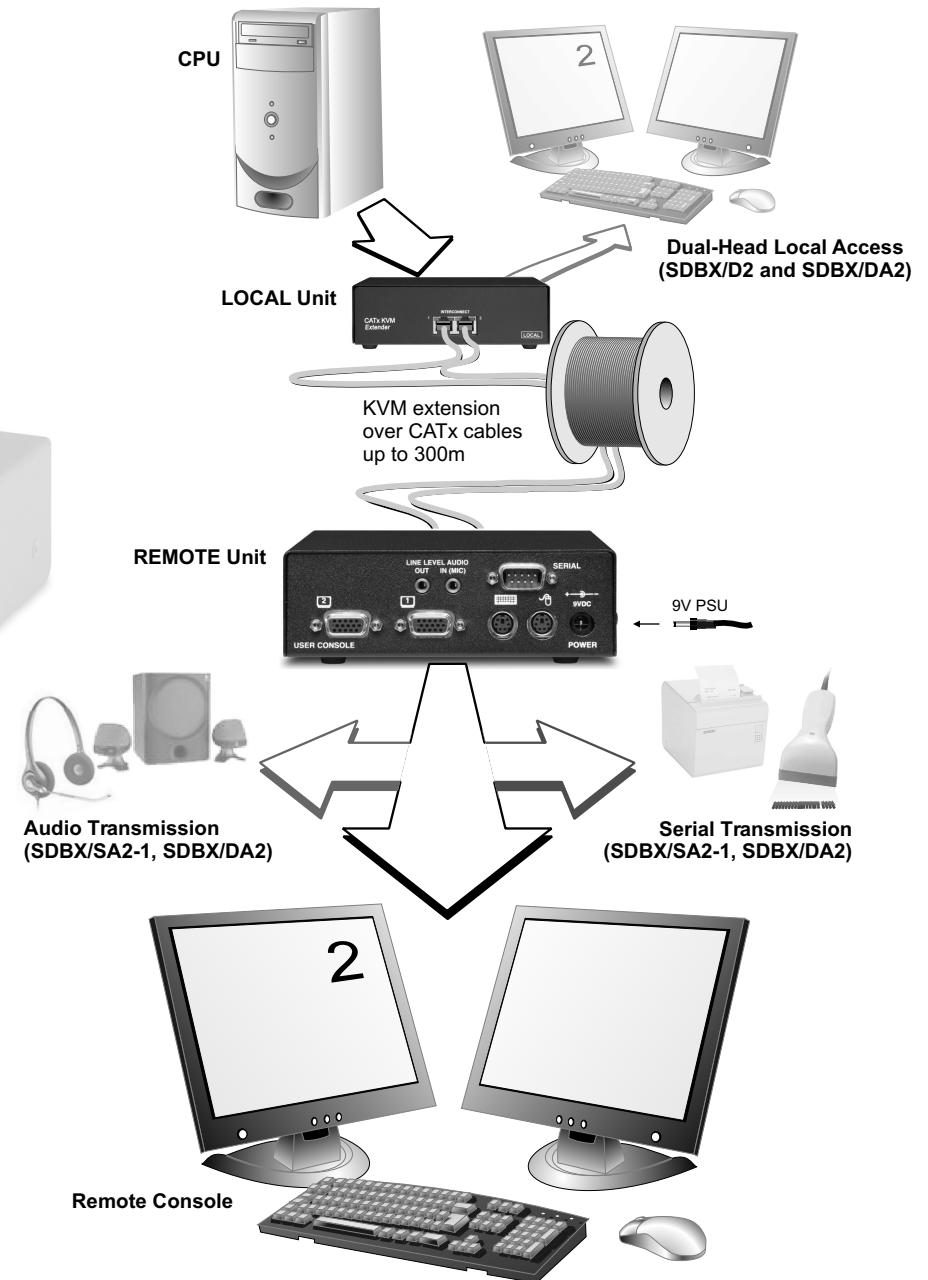
Connect the supplied 9V PSU to the Remote unit.

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.

**⚠ NEVER CONNECT A REMOTE UNIT'S POWER SUPPLY TO A LOCAL UNIT. THIS COULD DAMAGE THE EXTENDER SYSTEM.**

## Overview

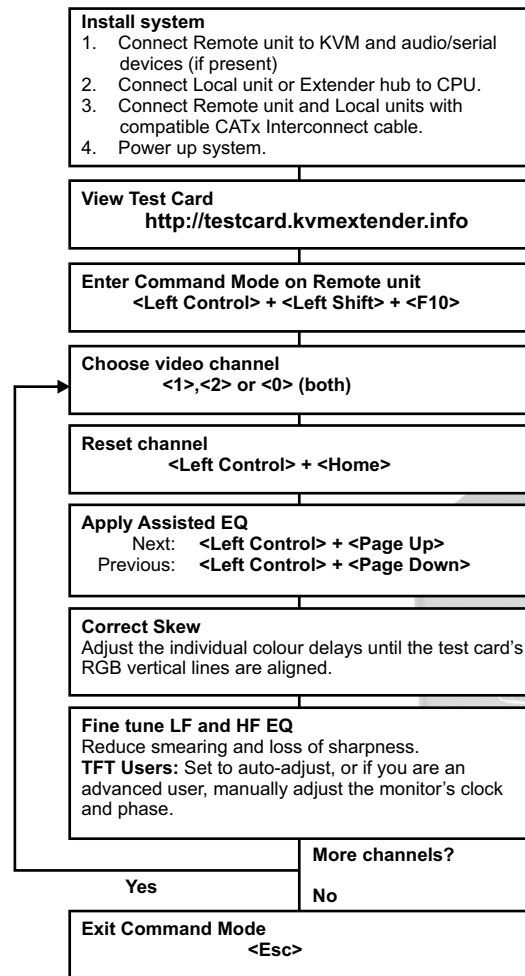
A basic KVM extension system comprises a Local unit (transmitter) and a Remote unit (receiver). The Local unit connects directly to the computer (or a KVM switch system) using the supplied cable(s). The user console (keyboard, mouse and monitors) attaches to the Remote unit. The Remote and Local units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



# Installation

The SDBX product range enables two channels of high-resolution video, PS/2 keyboard and mouse, stereo audio, and serial port signals to be communicated up to 300m over Category 5, 5e, 6 or higher (CATx) cable. Models are available with dual-head local access.

SDBX CATx KVM 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

The following table summarizes the 'hot' key command sequences used in system configuration and video tuning.

<b>Command Mode</b>	
Enter Command Mode*	<Left Control> + <Left Shift> + <F10>
Exit Command Mode & Save*	<ESC>
Exit Command Mode Without Save*	<Left Control> + <ESC>
<b>Video Channel Selection</b>	
Select Channel For Adjustment	<1>, <2>
Select Both Video Channels	<0>
<b>Assisted EQ</b>	
Next Assisted EQ Setting	<Left Control> + <Page Up>
Previous Assisted EQ Setting	<Left Control> + <Page Down>
Reset EQ & Delay Values	<Left Control> + <Home>
Reset EQ Values	<Left Control> + <End>
<b>LF/HF Equalization</b>	
Increase LF Equalization (Coarse)	<L> + <Up Arrow>
Increase LF Equalization (Fine)	<L> + <Right Arrow>
Decrease LF Equalization (Coarse)	<L> + <Down Arrow>
Decrease LF Equalization (Fine)	<L> + <Left Arrow>
Increase HF Equalization (Coarse)	<H> + <Up Arrow>
Increase HF Equalization (Fine)	<H> + <Right Arrow>
Decrease HF Equalization (Coarse)	<H> + <Down Arrow>
Decrease HF Equalization (Fine)	<H> + <Left Arrow>
<b>Quick Skew</b>	
Toggle RED Delay (19nS)	<Left Control> + <R>
Toggle GREEN Delay (19nS)	<Left Control> + <G>
Toggle BLUE Delay (19nS)	<Left Control> + <B>
<b>Delay (Skew)</b>	
Increase RED Delay	<R> + <Right Arrow>
Increase GREEN Delay	<G> + <Right Arrow>
Increase BLUE Delay	<B> + <Right Arrow>
Decrease RED Delay	<R> + <Left Arrow>
Decrease GREEN Delay	<G> + <Left Arrow>
Decrease BLUE Delay	<B> + <Left Arrow>
<b>DDC</b>	
Disable DDC Emulation	<Left Control> + <F2>
Enable DDC Emulation	<F2>
Transfer DDC from Monitor to Local Unit**	<Left Control> + <D>
<b>Reset Commands</b>	
Reset Mouse and Keyboard*	<F1>
Mouse Recovery*	<F3>
Set Extender To Default State*	<Left Control> + <F9>
<b>Private Mode Commands</b>	
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 (SDBX/D2 and SDBX/DA2).

\*\* Available on Remote units with hardware version 6.3 or above. A version code number is printed on the base of each unit; the hardware version number is the first two digits.



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