ServSwitch DKM Quick Start Guide

2.3 Setup of USB 2.0 Modules

1. Connect the CPU with the CPU module (USB 2.0).

2. Connect the USB 2.0 devices with the CON module (connect to USB 2.0 devices).
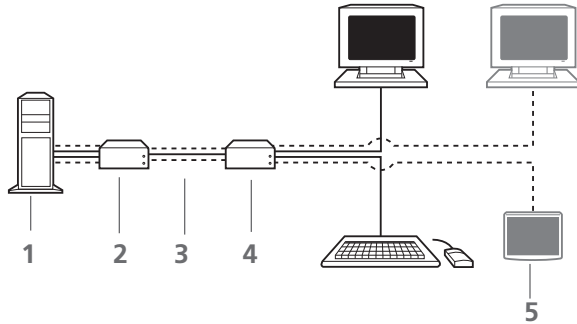
3. System Overview

Figure 3-1. System components.

Table 2-1. Components descriptions.

Number	Description
1	Source (computer, CPU)
2	CPU Module
3	Interconnect cable
4	CON Module
5	Console (monitor, keyboard, mouse)

4. DDC Information Download

By default, data from the internal DDC list is reported to the source (computer, CPU). If these settings do not work properly, you can download and store the console monitor's DDC information internally. The devices must be configured accordingly.

On all KVM Extenders with USB-HID support, users can load the console monitor's DDC information by using keyboard commands.

1. Enter Command Mode with the "hotkey."

2. Press the <a> key to download the console monitor's DDC information.
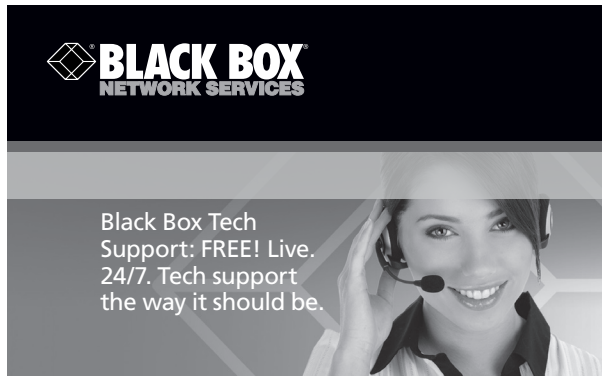
The screen will go black for a short time.

Command Mode is now closed, and the keyboard LEDs return to previous status.

This re-adjusts the video mode and should give you optimal screen quality. The CPU should now show the console monitor as the current screen, together with the available video resolutions.

The DDC information of the console monitor was loaded once.

To re-load the DDC information, repeat the operation.

During DDC transfer, the status LEDs on both CON and CPU units flash while reading (CON module) and copying (CPU module) information.
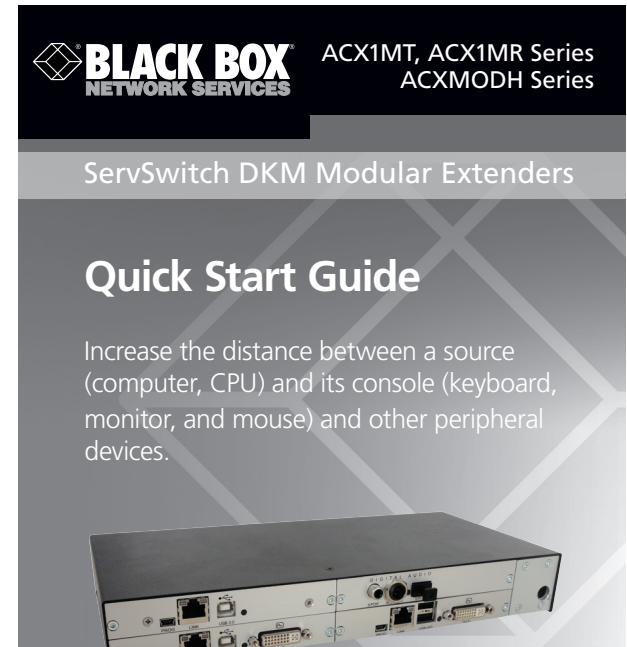

ServSwitch DKM Modular Extenders

Quick Start Guide

Increase the distance between a source (computer, CPU) and its console (keyboard, monitor, and mouse) and other peripheral devices.

1. What's Included

Your extender package contains the following items. If anything is missing or damaged, please contact Black Box Technical Support at 724-746-5500 or info@blackbox.com.

Basic Modules:

• Modular Chassis with pre-installed CON/CPU Modules

• (1) 5-VDC international power supply unit per box

NOTE: The ACXMODH6R and ACXMODH21R have internal power supplies instead of separate external power supply units.

• (1) country-specific power cord per box

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• (1) DVI video cable (6 ft. [1.8 m] DVI-D male-to-male)

Figure 1-1. DVI video cable.

• (1) USB cable (6-ft. [1.8 m], Type A to Type B)

Figure 1-2. USB cable.

The basic module VGA (replaces DVI-D cable) also includes:

• VGA cable (6-ft. [1.8 m], VGA male to DVI-I male)

Figure 1-3. VGA cable.

• Infrared remote control

The upgrade module Analog Audio/Serial also includes:

• Serial cable (6-ft. [1.8 m], RS-232 male connector)

Figure 1-4. Serial cable.

• Stereo jack cable (5.2-ft. [1.6-m], 3.5-mm male connector)

Figure 1-5. Stereo jack cable.

The upgrade module Digital Audio also includes:

• RCA cable (8.2-ft. [2.5-m], Cinch male connector)

Figure 1-6. RCA cable.

• TOSLINK® cable (6-ft. [1.8 m], F05 male connector)

Figure 1-7. TOSLINK cable.

The upgrade module USB-HID also includes:

• USB cable (6-ft. [1.8 m], USB Type A to Type B)

Figure 1-8. USB cable.

The USB 2.0 module also includes:

• USB cable (6-ft. [1.8 m], USB Type A to Type B)

Figure 1-9. USB cable.

2. System Setup

NOTE: If you are a first-time user, we recommend that you set up the system with the CPU Module and the CON Module in the same room as a test setup. This will enable you to identify and solve any cabling problems, and experiment with your system more conveniently.

NOTE: Verify that interconnect cables, interfaces, and handling of the devices comply with the requirements (see the user's manual).

2.1 Basic Module Setup

1. Switch off all devices.

CON Module Installation

2. Connect your monitor(s), keyboard, and mouse to the CON Module.

3. Connect the CON Module with the interconnect cable(s).

4. Connect the 5-VDC power supply to the CON Module.

CPU Module Installation

5. Connect the source (computer, CPU) with the supplied cables to the CPU Module. Make sure the cables are not strained.

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6. Connect the CPU Module to the interconnect cable(s).

7. Connect the 5-VDC power supply to the CPU Module.

8. Power up the system.

NOTE: To power up the system, the following sequence is recommended: Monitor – CON Module – CPU Module – source.

NOTE: The basic module with VGA/DVI-I input is connected as mentioned above. For a complete and detailed description of the setup and configuration of the VGA option, see the Media/DVI Converter (ACS411A-R2) manual.

2.2 Setup of Upgrade Modules

You can hot-plug the modules.

Upgrade Module Analog Audio/Serial:

1. Connect the audio source with the CPU Module (for example, CPU audio output with audio input, CPU audio input with audio output).

2. Connect the audio output at the CON Module with headphones or suitable speakers.

3. Connect the audio input at the CON Module with a suitable microphone.

Upgrade Module Digital Audio:

1. Connect the digital audio source with the suitable audio input of the CPU module.

2. Connect the audio output of the CON Module with suitable speakers or audio amplifiers.

NOTE: If several active sources are connected, Mini-XLR input takes priority. The audio signal is available at all outputs.

Upgrade Module USB-HID:

1. Connect the CPU with the CPU Module (USB-HID 2).

2. Connect the USB-HID devices with the CON Module (Connect to USB-HID device 2).