QUICK START GUIDE

SPECIFICATIONS

VIDEO	
FORMAT	DVI-I Dual-Link
HOST INTERFACE	(1) DVI-I 29-pin (female)
USER CONSOLE INTERFACE	(1) DVI-I 29-pin (female)
MAXIMUM RESOLUTION	2560 x 1600 @ 60 Hz, 3840 x 2160 @ 30 Hz (w/HDMI-to-DVI adapter)
DDC	5 volts p-p (TTL)
INPUT EQUALIZATION	Automatic
INPUT CABLE LENGTH	Up to 20 ft. (6.1 m)
OUTPUT CABLE LENGTH	Up to 20 ft. (6.1 m)
USB	
SIGNAL TYPE	USB 1.1 keyboard and mouse only
USB CONNECTORS	(2) USB Type B
USER CONSOLE INTERFACE	(2) USB Type A for keyboard/mouse connections, (1) USB Type A for CAC
AUDIO	
INPUT	(1) 3.5-mm female stereo connectors
OUTPUT	(1) 3.5-mm female stereo connector
POWER	
POWER REQUIREMENTS	(1) 12-VDC, 3-A power adapter with center-pin positive polarity
ENVIRONMENT	
OPERATING TEMPERATURE	32 to 104° F (0 to 40° C)
STORAGE TEMPERATURE	-4 to +140° F (-20 to +60° C)
HUMIDITY	0 to 80% relative humidity, noncondensing
OTHER	
EMULATION	Keyboard, mouse and video
USER CONTROLS	Front-panel buttons

WHAT'S IN THE BOX

PART NUMBERS

SI1P-SH-DVI-UCAC	1-Port, Single-Head, DVI, with CAC

CUSTOMER SUPPORT INFORMATION

ORDER TOLL-FREE IN THE U.S.:
CALL 877-877-BBOX
(OUTSIDE U.S. CALL 1-724-746-5500)

FREE TECHNICAL SUPPORT

24 HOURS A DAY, 7 DAYS A WEEK:
CALL 877-877-2269
WEB SITE: WWW.BLACKBOX.COM
E-MAIL: INFO@BLACKBOX.COM

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SECURE KVM

KVM PROTECTOR, SINGLE-HEAD DVI WITH CAC

24/7 TECHNICAL SUPPORT AT 1.877.877.2269 OR VISIT BLACKBOX.COM

EDID LEARN

The KVM Protector is designed to learn a connected monitor's EDID upon power up. If you connect a new monitor to the unit, a power re-cycle is required.

The protector will indicate the unit's EDID learn process is active by flashing the front panel's LEDs in sequential order. The LED will flash green for approximately 10 seconds upon beginning the EDID learn. Once all the LEDs stop flashing, the LEDs will cycle and the EDID learn will be complete.

A monitor must be connected to the video output port located in the console space at the back of the protector during the EDID learn process.

If the read EDID from the connected monitor is identical to the current stored EDID in the protector, then the EDID learn function will be skipped.

A full Manual can be downloaded from:
WWW.BLACKBOX.COM

HARDWARE INSTALLATION

1. Ensure that power is turned off or disconnected from the unit and the computers.

2. Use a DVI cable to connect the DVI output port from the computer to the corresponding DVI-I IN port of the unit.

3. Use a USB cable (Type-A to Type-B) to connect a USB port on each computer to the respective USB ports of the unit.

4. Optionally, connect a CAC (Common Access Card, Smart Card Reader) to the CAC port in the user console interface.

5. Optionally, connect a stereo audio cable (3.5-mm to 3.5-mm) to connect the audio output of the computer to the AUDIO IN ports of the unit.

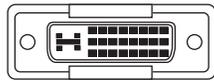6. Connect a monitor to the DVI-I OUT console port of the unit using a DVI cable.

7. Connect a USB keyboard and mouse in the two USB console ports.

8. Optionally, connect stereo speakers to the AUDIO OUT port of the unit.

9. Finally, power on the KVM Protector by connecting a 12-VDC power supply to the power connector, and then turn on the computer.

NOTE: The computer connected to port 1 will always be selected by default after power up.

NOTE: You can connect 1 computer to the KVM protector.

FIGURE 1. DVI CONNECTOR

Dual-Link DVI-I connector

FIGURE 2. SINGLE-HEAD APPLICATION DIAGRAM

SI1P-SH-DVI-UCAC

DVI IN	USB IN	CAC IN
AUDIO OUT	USB OUT	CAC OUT
DVI OUT	AUDIO IN	