ServView 17"

BLACK BOX®
NETWORK SERVICES

Table of Contents

Please read this manual thoroughly and follow the **Installation** procedures to prevent any damage to the ServView or any connecting device.

FC CE

European Union Declaration of Conformity

This product complies with the following harmonized standards:

EN 55022: 1994 + A1: 1995 + A2: 1997, Class B
EN 61000-3-2: 2000 ***
EN 61000-3-3: 1995 + A1: 2001
EN 55024: 1998 + A1 : 2001 + A2 : 2003
IEC 61000-4-2:2001
IEC 61000-4-3:2002 + A1 : 2002
IEC 61000-4-4:1995 + A1: 2000 + A2:2001
IEC 61000-4-5:2001
IEC 61000-4-6:2001
IEC 61000-4-8:2001
IEC 61000-4-11:2001

Federal Communications Commission
and Canadian Department of   Communications

FCC Part 15, Subpart B, Class B

CISPR 22: 1997, Class B

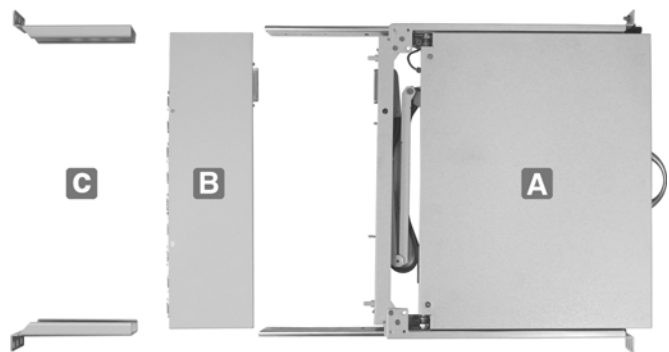**ICES-003: 2004, Class B**

ANSI C63.4-2001

***The power consumption is 48.439W, which is lower than 75W   and no limits apply. Therefore it is deemed to comply with EN 61000-3-2: 2000 without any testing.

--------------------- *Introduction*

The ServView offers the ultimate in styling and computer management. With a keyboard, mouse, TFT LCD panel and an ServView KVM switch module housed in an industry standard 19" 1U-height rack drawer, it saves you up to 1/3 of valuable real estate from a rack cabinet. Better yet, when the ServView 17" is cascaded with other ServSwitch KVM switches to increase server management capacity, you save even more!

ServView 17" comes in three parts

A   1U slide drawer with keyboard, touchpad, and 17" LCD monitor.

B   ServView PS/2 Module.

C   Rear bracket and extension kit.

ServView 17" with
One-port PS/2 ServView KVM switch module

It saves you up to 1/3 of valuable rack cabinet spaces and acts as a space-saving console with keyboard, mouse, and monitor. With the PS/2 module, it can be connected to a PS/2 computer directly or to the console ports of a PS/2 KVM switch.

This setup can be considered as a combination of a PS/2 keyboard, a PS/2 mouse, and an LCD monitor.

---------------------- *ServView 17"*

● **Overview**

The ServView 17" is a 19" 1U drawer designed for applications where space is at a premium, or CRT displays are undesirable. The ServView 17" models support replaceable keyboard and replaceable touch pad.

The drawer can be pulled out for operation from the rack and latched in the extended position. When not in use, the display can be folded down, locked and secured while pushed in.

With different rear bracket & extension kits, the ServView 17" can be mounted on rack cabinets of various depths.

The console comes with standard PS/2 (MD6F) keyboard connector, PS/2 (MD6F) mouse connector and VGA (HDB15M) connector for computer or KVM switch connection.

	ServView
Model	**17"**
Keyboard Replaceable	Yes
Touch Pad Replaceable	Yes
Module Selection	Yes
H x W x D (mm)	502*445*43.5

● **Features**

- ■ Modularized KVM switch design.
- ■ ServView KVM switch modules are available for PS/2, USB, or Sun interface with 8-or 16-port.
- ■ Flip-open17" LCD panel supports resolution 1280x1024.
- ■ For managing computers with PS/2, USB, or Sun interface. (**optional** converter cables are available)
- ■ For rack cabinet with depth from 20"(50cm) and up (with appropriate *Rear bracket & extension kit*).
- ■ Standard 19" 1U rack drawer.
- ■ Ergonomic hand rest design.
- ■ Locking mechanism locks the drawer when pulled out, pushed in, or folded down.
- ■ Full 105 key, low-profile, sturdy keyboard included.
- ■ Ultra sturdy, tilt-free, two-piece Rear Bracket and Extension design.
- ■ Quick and easy installation.
- ■ A universal C-36 connector for connection between console drawer and ServView KVM switch module.
- ■ Supports Sun keyboard mapping and Mac keyboard mapping with **optional** converter cables.
- ■ User-replaceable keyboard with various languages support.
- ■ User-replaceable touch pad for easy replacement.
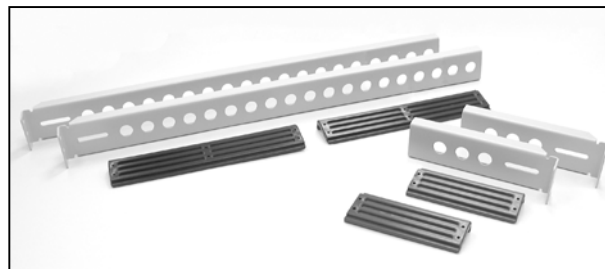- ■ Touch pad with simulated wheel control.

● Packing List

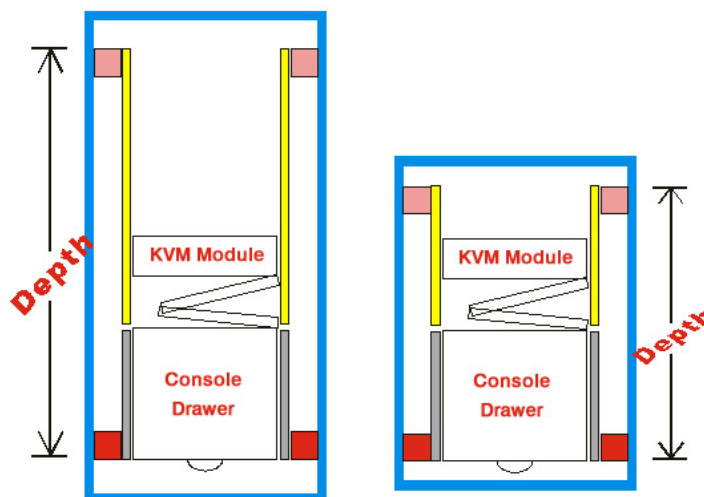■ ***ServView 17":*** "LCD panel + keyboard + mouse pad" console drawer, PS/2 interface module, power supply

■ ***Rear bracket & extension kit:*** This kit contains two pieces of rear brackets and two pieces of extensions. Make sure you have the correct kit to fit the depth of your cabinet. ***Note****: the following length is measured between "front pole and rear pole inside a rack cabinet" not the outside depth of a rack cabinet enclosure.*

Front pole to rear pole distance (**Depth**)	KVT127E-500		KVT127E-600		KVT127E-700		KVT127E-800		KVT127E-900	
	cm	*inch*	*cm*	*inch*	*cm*	*inch*	*cm*	*inch*	*cm*	*inch*
Minimum	*50*	$19^1/_2$	*57.5*	$22^5/_8$	*67.5*	$26^5/_8$	*77.5*	$30^1/_2$	*87.5*	$34^1/_2$
Maximum	*57*	$22^3/_8$	*70.5*	$27^3/_4$	*80.5*	$31^5/_8$	*90.5*	$35^5/_8$	*100.5*	$39^1/_2$

KVT127E-900
(upper-left)
and
KVT127E-500
(lower-right)

Top view of a rack cabinet with ServView   installed: **Depth** decides the model number of the KVT127E-xxx.

■ ***Bolt-and-nut set***
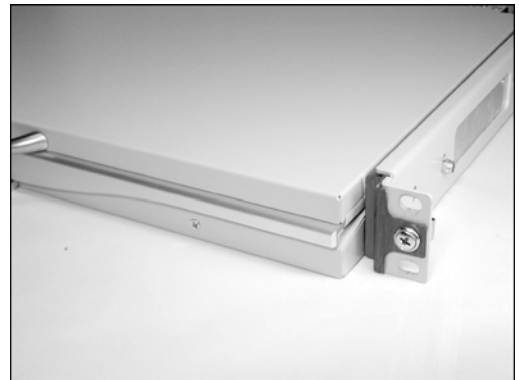
■ ***User's manual***

● **Assembly**

1. Choose a proper position for the rack drawer. Mount the rear brackets (from the *Rear bracket & extension kit*), and lightly fasten them onto the rear vertical poles.   Both will be removed later.
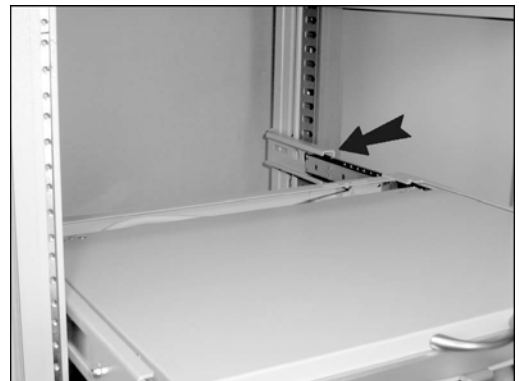
2. Remove the *safety stopper* from the console drawer. The *safety stopper* is designed to prevent the drawer from sliding out during transportation.

★ *WARNING* ★

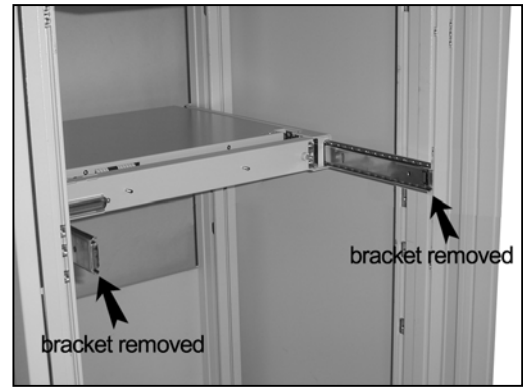After the *safety stopper* is removed, the drawer may slide out when tilted and cause serious injury.

3. Slide the console drawer to the rack cabinet from the front and insert the two slide rails of the console drawer into the pockets of the rear brackets.

4. Fasten the console drawer onto the front brackets by four screws.   The metal brackets as shown in the far arrow support rear side of the console.
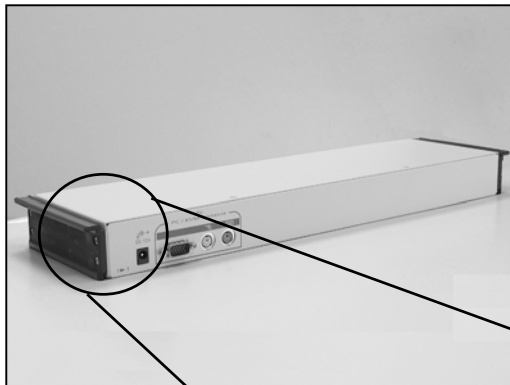
5. Remove both of the rear brackets and slide the console drawer out half way to balance its weight. Now, the front brackets hold the console drawer.

bracket removed

bracket removed

6. Attach the extensions (from the *Rear bracket & extension kit*) to both sides of the ServView KVM switch module. Please note the length of the extensions and mount them in one of the following ways. For a 2U module, the extensions are mounted to the lower half of the module.
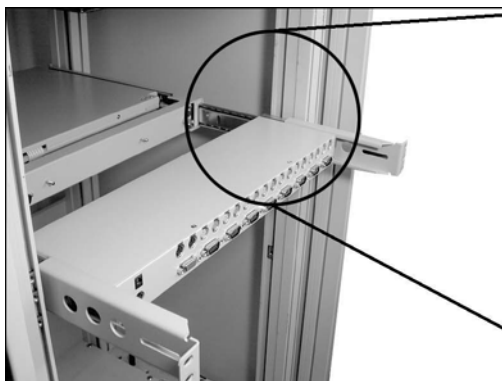
Short extensions attachment

Long extensions attachment

The wider side of plastic extension is on the upper.

7. The rear brackets, extensions and slide rails have tight fit. Make sure you follow these steps for easy installation. A. Slide the rear brackets onto the extensions. **B.** Then, insert both sliding rails of the console drawer into the tight space formed by the rear brackets and the extensions. ***The ServView KVM switch module should be pushed in EVENLY on both of right and left sides by both of your two hands.***
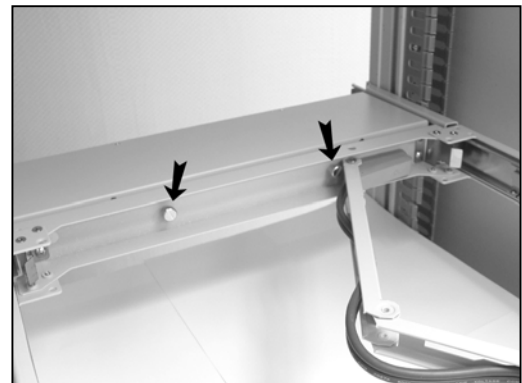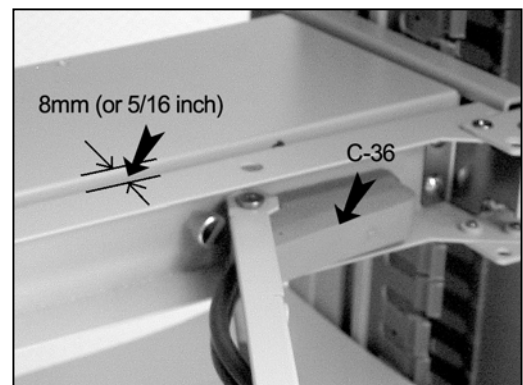

A

B

8. Push the rear brackets all the way in and fasten them.

9. Slide the console drawer out. Push the ServView KVM switch module *evenly* toward the drawer and lock both units with the screws.
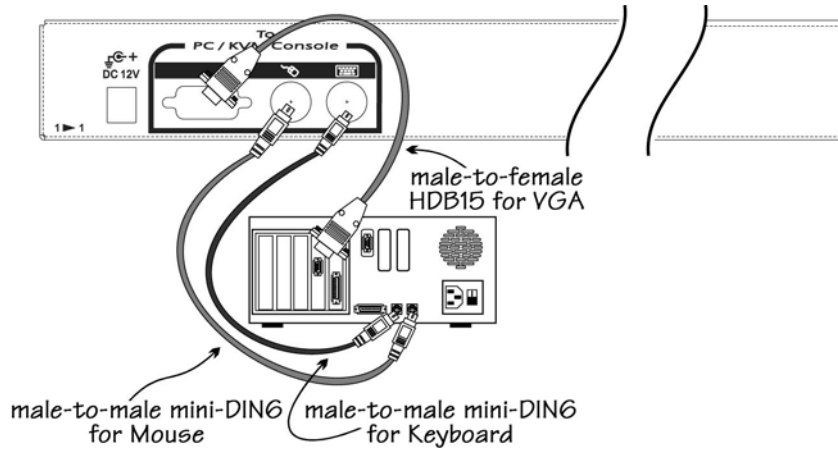

10. Make sure the C-36 connectors are firmly mated during step 9.

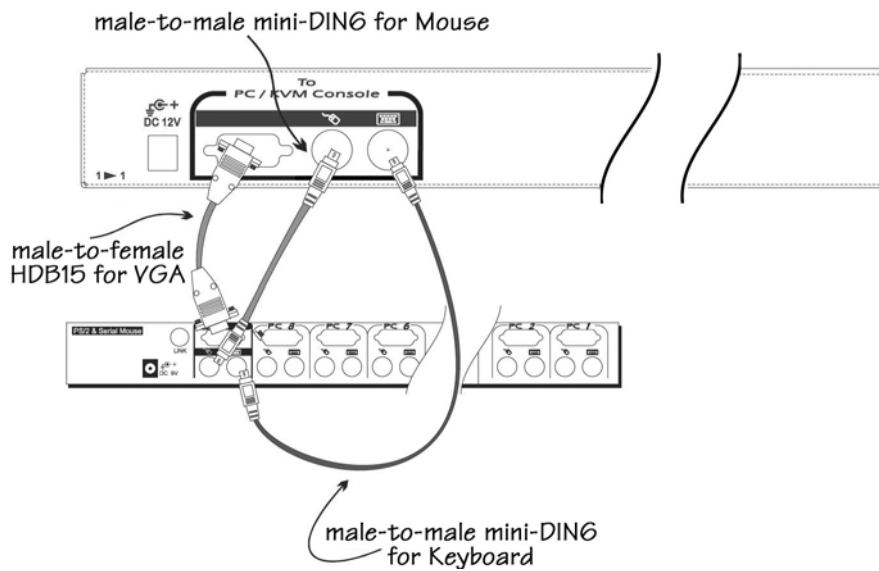11. Connect the power supply to the power jack on the ServView KVM switch module to complete the installation.

⚫ **Installation**

The combination of an ServView 17" and the PS/2 module can be considered as a set of PS/2 keyboard, mouse and monitor as shown below.
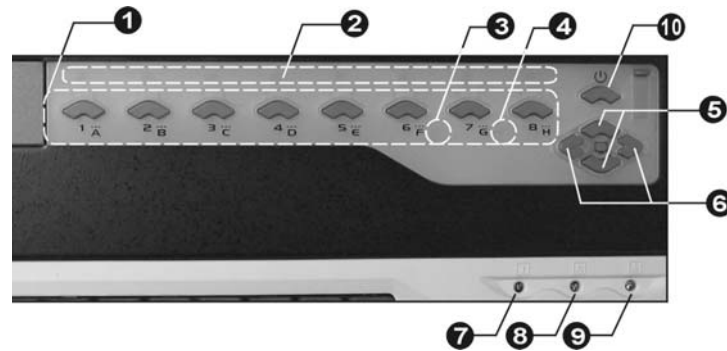

ServView 17" connects to a computer

Or, the ServView 17" with the **1 ▶ 1** ServView KVM switch module can be connected to a KVM switch as shown below.

ServView 17" connects to a KVM switch

10

⬤ **Front Panel**

Front panel of a ServView 17" model

- KVM Control and Status: (*This section is effective only when an ServView KVM switch module is connected, not applicable for* IKM001 *module.*)

    1. ***Computer Selection Pad***

        Reserved for future option

    2. ***Selected Computer Indicator***

        Reserved for future option

    3. ***Local Console in operation***

        Reserved for future option

    4. ***Remote Console in operation***

        Reserved for future option.

- LCD Panel Control

    5. ***LCD Panel Menu***

        These buttons invoke the OSD menu for settings of the LCD panel as an ordinary LCD monitor.

    6. ***LCD Panel Adjustment***

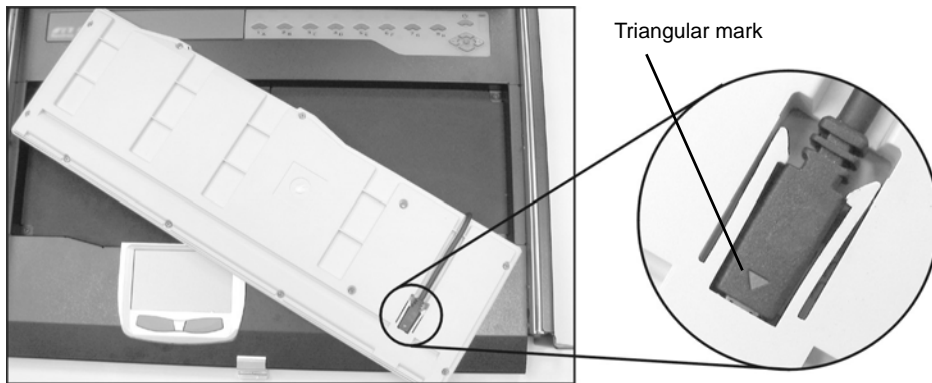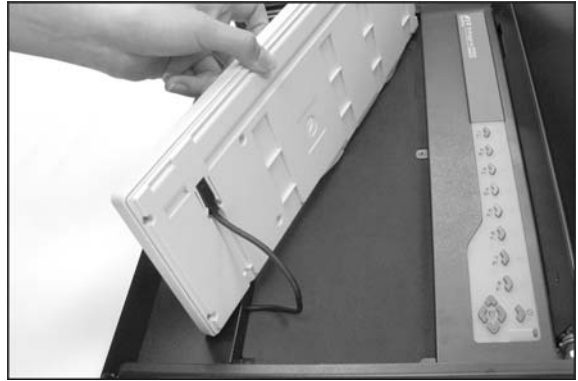   Letting you adjust settings for the LCD panel.

- Keyboard Status & LCD Panel Power Switch

    7. ***Num Lock***

        Keyboard Num Lock status.

    8. ***Caps Lock***

        Keyboard Caps Lock status.

    9. ***Scroll Lock***

        Keyboard Scroll Lock status.

    10. ***LCD Panel Power Switch***

● **Replaceable Keyboard and Touch Pad**

■ Replaceable Keyboard

The keyboard is replaceable for language change or maintenance. Tilt it up, locate the mini-USB cable underneath the keyboard and gently unplug it.   While installing a keyboard, make sure that you extend just enough of the cable to keep the keyboard flat inside the tray.
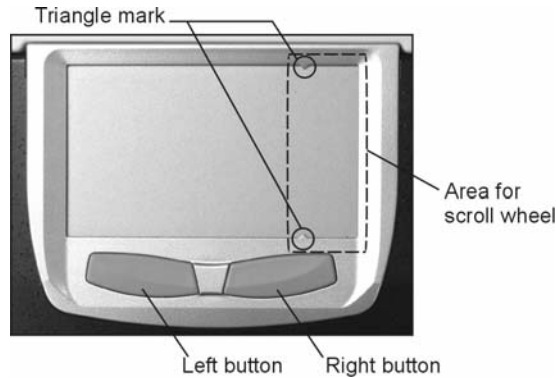

Triangular mark

Note: The triangular mark on the mini-USB connector must face outwards.
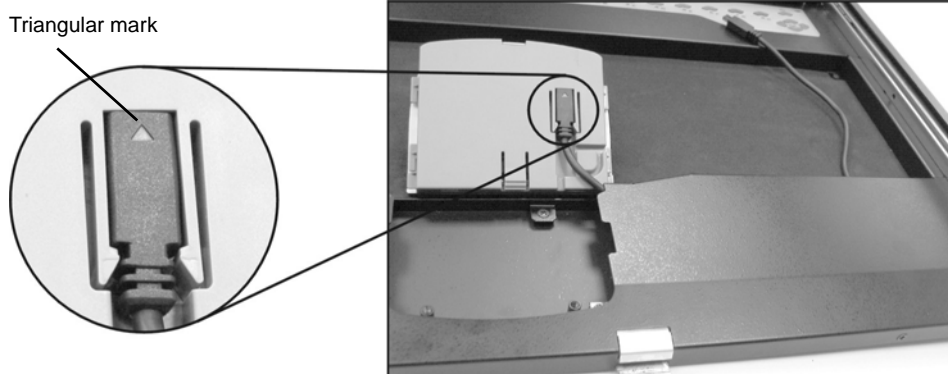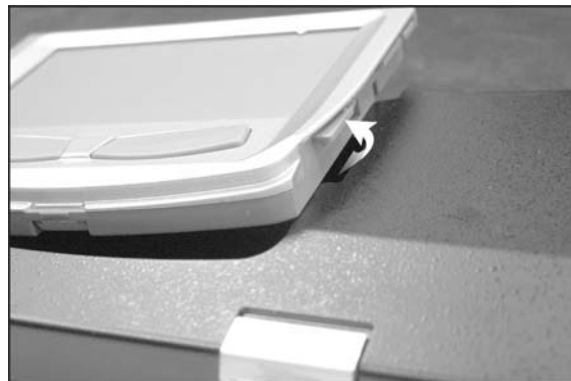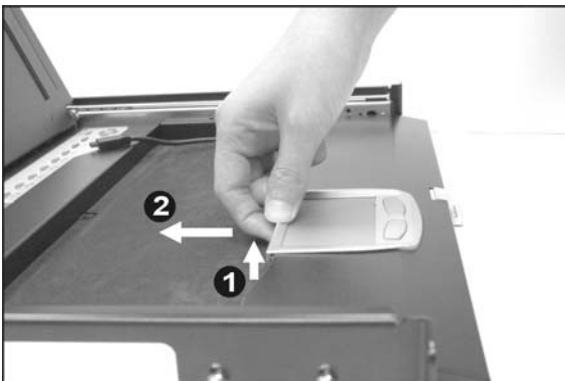
- Replaceable Touch Pad

1. Touch Pad and Its "Wheel"

   The Touch Pad simulates a "wheel mouse".   The area of the Touch Pad to the right side of the two small *triangular marks* is the simulated "wheel" as shown below.

2. Touch Pad Replacement

To remove the Touch Pad, press the tab underneath it upward to release the latch, and then slide it outwards till the Touch Pad can be lifted up clear from the notches, as shown in the figure on the right.   The Touch Pad is attached by a piece of mini-USB cable.   To install the Touch Pad, extend just enough mini-USB cable and slide the Touch Pad all the way in till you hear a click sound as it is locked in position.

Note: The triangular mark on the mini-USB connector must face outwards.

Optional Power Supply Holder
You may secure the power supply on the holder by tie wraps before installing the complete setup to a rack.

● LCD Panel Specification

Specifications	17" LCD Panel
Active Display Area	337.920 x 270.336 (mm)
Pixel Pitch (mm)	0.264 (per one triad) x 0.264
Resolution	1280 x 1024
Color Pixel Arrangement	R.G.B. Vertical Stripe
Display Mode	Normally White
Brightness(cd/m^2)	260 (center) @ 7mA
Contrast Ratio	450:1 (Typ)
Display Color	262K colors (RGB 6-bits data)
User Control	OSD Control
Input Signal	Even/Odd R/G/B data, Ea. sync signal, Clock
Plug-n-Play VESA	VESA DDC 1/2B
Power Consumption	25W typical, (w/o Inverter, All black pattern)
Viewing Angle	-80~80(H) -80~80(V) (Typ.)
Backlight Unit	4 CCFLs edge-light(top/bottom)
Temperature Operating	0 to +50 (°C)
Storage (Shipping)	-20 to +60 (°C)
Operating Humidity	Relative Humidity 8% ~ 95%
Non-Operating Humidity	95% RH
Power Supply Input Voltage	Full range, 100V AC to 240V AC
Power Supply Input Frequency	47 Hz ~ 63 Hz
Approval	CE, FCC for the product. UL, TUV, CE for power supply

***Note*:**

1) For optimum video performance, VGA resolution should be set to 1280 x 1024 for 17" LCD panel with low refresh rate (60Hz).

2) If part of the display is not clear, please activate "Auto Adjust" for the LCD monitor using the four "LCD Panel Control" buttons.

Limited Warranty

Black Box International Tech Support Addresses

Country	Web Site/E-Mail	Phone	Fax
Austria	www.black-box.at support@black-box.at	+43 1 256 98 56	+43 1 256 98 56
Belgium	www.blackbox.be support.nederlands@blackbox.be support.french@blackbox.be support.english@blackbox.be	+32 2 725 85 50	+32 2 725 92 12
Denmark	www.blackbox.dk blackbox@blackbox.dk	+32 2 725 85 50	+32 2 725 92 12
Finland	www.blackbox.fi tuki@blackbox.fi	+35 201 888 800	+35 201 888 808
France	www.blackbox.fr tech@blackbox.fr	+33 1 45 606 717	+33 1 45 606 747
Germany	www.black-box.de techsupp@black-box.de	+49 811 5541 110	+49 811 5541 499
Italy	www.blackbox.it supporto.tecnico@blackbox.it	+39 02 27 404 700	+39 02 27 400 219
Netherlands	www.blackbox.nl techsupport@blackbox.nl	+31 30 241 7799	+31 30 241 4746
Norway	www.blackboxnorge.no support@blackboxnorge.no	+47 55 300 710	+47 55 300 701
Spain	www.blackbox.es tecnico@blackbox.es	+34 9162590732	+34 916239784
Sweden	www.blackboxab.se support@blackboxab.se	+46 8 44 55 890	+46 08 38 04 30
Switzerland	www.black-box.ch support@black-box.ch	+41 55 451 70 71	+41 55 451 70 75
UK	www.blackbox.co.uk techhelp@blackbox.co.uk	+44 118 965 6000	+44 118 965 6001
Ireland	www.blackbox.co.uk techhelp@blackbox.co.uk	+353 1 662 2466	+353 1 662 2477