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

FC CE

---------------------- _Introduction_

The ServerLink LCD offers the ultimate in styling and computer management. With a keyboard, mouse, TFT LCD panel and a ServerLink LCD 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 ServerLink LCD Console is cascaded with other ServerLink LCD KVM switch modules to increase server management capacity, you save even more!

All KVM switch modules come with a universal C-36 connector for connection between the console drawer and a ServerLink LCD KVM switch module.   This modularized design offers the maximum flexibility, as you can choose and swap the modules to fit your needs. A ServerLink LCD KVM switch module can also be used as an independent KVM switch.

ServerLink LCD Console comes in three parts

A   1U slide drawer with keyboard, touchpad, and 15", 17" or 19" LCD monitor.
B   ServerLink LCD KVM Switch Module. (6 different modules available, as shown on page 4)
C   Rear bracket and extension kit.

ServerLink LCD Console with 1U-height ServerLink LCD KVM Switch Module

When a 1U-height ServerLink LCD KVM switch module is slid into the rear side of the console drawer, the entire setup takes 1U space of a rack-cabinet.

---------------------- *ServerLink LCD Console*

● Overview

Models of ServerLink LCD Consoles, LKS-CD19, LKS-CD17 and LKS-CD, are available with 19" LCD Panel, 17" LCD panel, and 15" LCD panel respectively. These three models share the same accessories (ServerLink LCD KVM switch modules and Rear Bracket Kits). The ServerLink LCD Console is a 19" 1U drawer designed for applications where space is at a premium, or CRT displays are undesirable. The LKS-CD, LKS-CD17 and LKS-CD19 models also 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 kit, the ServerLink LCD Console can be mounted in rack cabinets of various depths.

The console comes with standard PS/2 keyboard connector, PS/2 mouse connector and HDB15 VGA connector for computer or KVM switch connection.

|	ServerLink LCD	ServerLink LCD	ServerLink LCD
Model	**LKS-CD19**	**LKS-CD17**	**LKS-CD**
Keyboard Replaceable	Yes	Yes	Yes
Touch Pad Replaceable	Yes	Yes	Yes
Module Selection	Yes	Yes	Yes
H x W x D (mm)	43.5x445x560	43.5x445x502	43.5x 445x502

● Features

■ Modularized KVM switch design.

■ ServerLink LCD KVM switch modules are available for PS/2, USB, or Sun interface with 8-or 16-port.

■ Flip-open 15", 17" or 19" LCD panel supports resolution 1024x768 or 1280x1024 respectively.

■ For managing computers with PS/2, USB, or Sun interface.

■ For rack cabinet with depth from 400mm to 1230mm (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 ServerLink LCD KVM switch module.

■ Supports Sun keyboard mapping and Mac keyboard mapping.

■ User-replaceable keyboard with various languages support.

■ User-replaceable touch pad for easy replacement.

■Touch pad with simulated wheel control.

● Packing List

■ *ServerLink LCD Console:* "LCD panel + keyboard + mouse pad" console drawer

■ *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.*

RW-2

RW-1
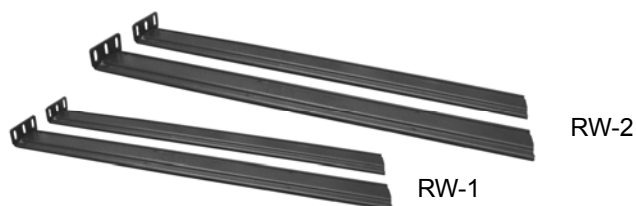
Rear Bracket Pairs of Different Length

Cabinet's Front Pole to Rear Pole Distance	15" & 17" LCD Drawer		19" LCD Drawer	
	RW-1*	RW-2**	RW-1*	RW-2**
	cm (inch)	cm (inch)	cm (inch)	cm (inch)
Minimum	40.0 (15.8)	59.0 (23.2)	40.0 (15.8)	59.0 (23.2)
Maximum	77.0 (30.3)	96.0 (37.8)	90.5 (35.6)	123.0 (48.4)

■ * RW-1 (385mm long) is an optional order.
■ **RW-2 (575mm long) is included with the standard packaging.

■ *ServerLink LCD KVM Switch Module (Please also see KVM module manual for more detail about ServerLink LCD KVM Switch module) :* ServerLink LCD KVM switch module box can be connected to a ServerLink LCD Console or be used as a stand-alone KVM switch. There are three major categories: PS/2, USB and Sun interfaces.

Type	*Slim*					
Model name	**LKS-101CM**	**LKS-801CM**	**LKS-1601CM**	**LKS-101CRM**	**LKS-801CRM**	**LKS-1601CRM**
Interface	PS/2	PS/2, USB		PS/2	PS/2, USB	
For computer	N/A	PS/2-PC, USB-PC, USB-Sun, USB-Mac		N/A	PS/2-PC, USB-PC, USB-Sun, USB-Mac	
No. of console port	N/A	1	1	NA	1	1
No. of computer port	1	8	16	1	8	16
OSD menu	N/A	Yes		N/A	Yes	
Built-in IP	No			Yes		
Height	1U			1U		
Cable type	**SL-CKP-XX**	**SL-ECK-XX and SL-USB-XX**		**SL-CKP-XX**	**SL-ECK-XX and SL-USB-XX**	
Model Indicator	1►1	1►8	1►16	**…**	**…**	**…**
Color of computer port connector	N/A	Grey		N/A	Grey	

■ *Bolt-and-nut set*

■ *User's manual*

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● **Assembly**

	Cabinet Screw	**X 8**
	Counter-Sunk Screw	**X 8**

Step 1. 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.
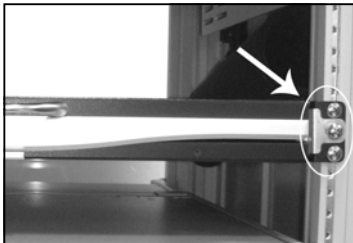
NOTE: To prevent the drawer sliding out during installation to the rack, you may keep the **Safety Stopper** on the unit.

Step 2. Use 4 **Counter-Sunk Screws** to attach the extensions (from the *Rear bracket* & *extension kit*) to both sides of the **ServerLink KVM switch module**. Please note the length of the extensions and mount them in the following way

Extensions attachment
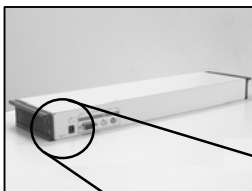
The wider side of plastic extension is on the upper.

Step 3. Use 4 **Cabinet Screws** to screw up the unit on the rack
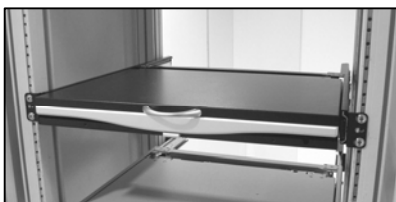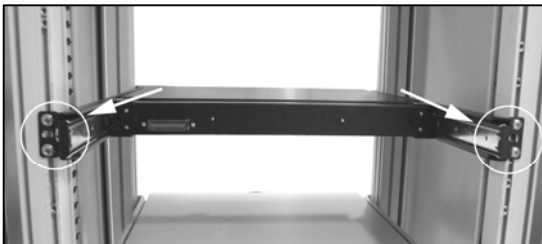
Step 4. Slide the **rear bracket** into both sides of the unit. Please make sure the three wheels with screws are **INSIDE** the

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track of bracket while sliding in.
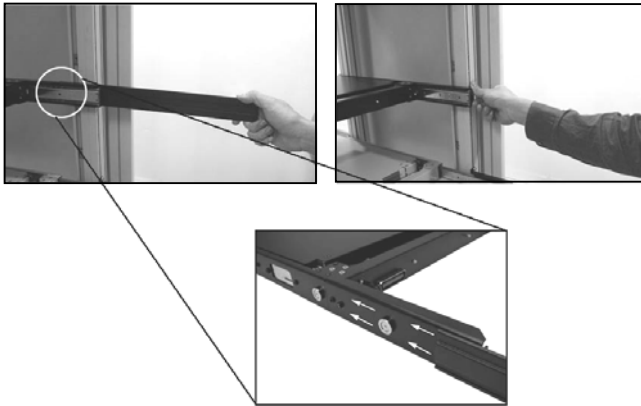
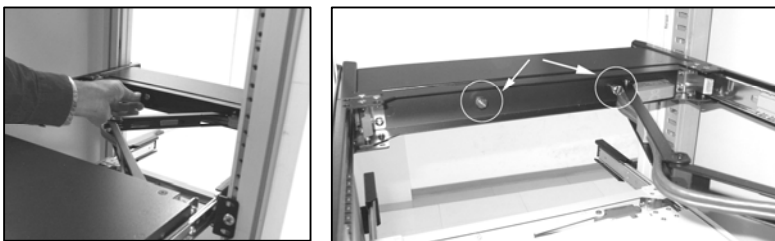(Please follow the direction as shown by the white arrows)

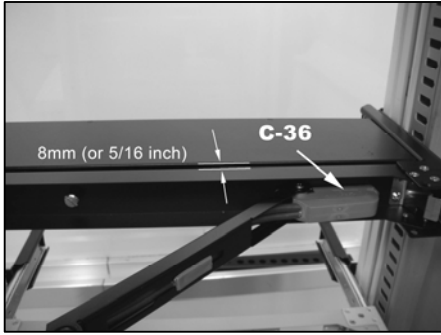**Step 5.** Use 4 **Cabinet screws** to screw up both sides of the brackets to the rack

Step 6. Push the **ServerLink KVM switch module** *evenly* toward the drawer

Step 7. Slide the **console drawer** out and fasten both units with the screws.

**Step 8.** Make sure the **C-36 connectors** are firmly mated on **Step 7**.

Step 9. Connect the power supply to the power jack on the **KVM switch module** to complete the installation.

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● Installation

The installations for ServerLink LCD KVM switch module with computers can be found in the KVM module manual.

The combination of a ServerLink LCD console and a one port module (LKS-101CM or LKS-101CRM) can be considered as a set of PS/2 keyboard, mouse and monitor as shown below.
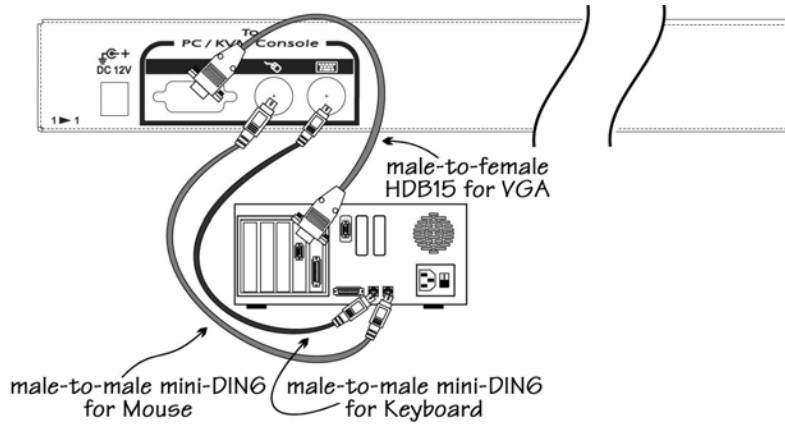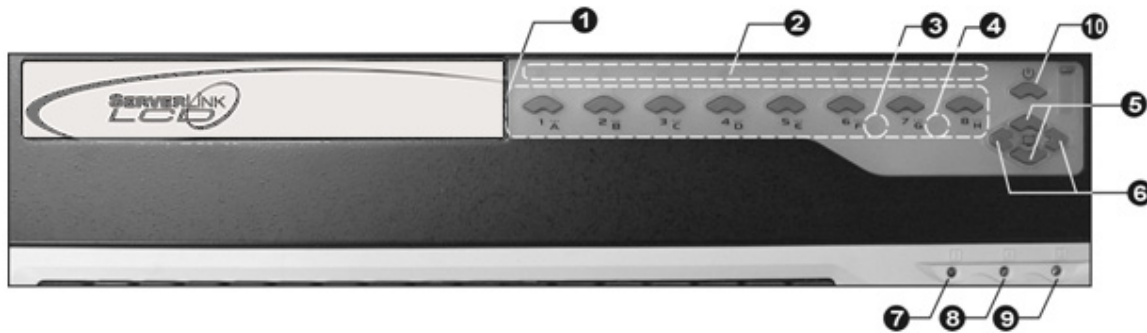

ServerLink LCD Console connects to a computer

Or, the ServerLink LCD Console with the **1 ▶ 1** ServerLink LCD KVM switch module can be connected to a KVM switch as shown below.
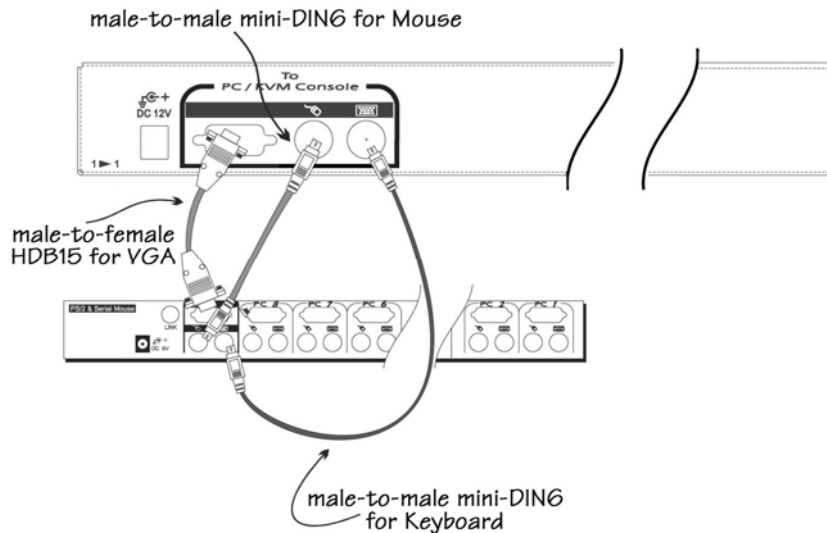
ServerLink LCD Console connects to a KVM switch

● **Front Panel**

Front panel of LKS-CD, LKS-CD17 and LKS-CD19

■ KVM Control and Status: (*This section is effective only when a ServerLink LCD KVM switch module is connected, not applicable for one port module.*)

1. ***Computer Selection Pad***

   For an 8 port model, press one of these push buttons to select a computer.
   For a 16 port model, "1"~"8" represents the lower 8 ports and "A"~"H" the higher 8 ports. Port "1" and "A" share the same push button. If port "1" is already selected, press the "1" push button to toggle between port "A" and port "1". If port "1" is not selected, press and hold the push button "1" for 2 seconds to directly select port "A".

2. ***Selected Computer Indicator***

   Indicator turns red when its corresponding computer is selected.

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

   Indicator turns green when a computer is accessed through the ServerLink LCD Console.

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

   Indicator turns green when a computer is accessed by another set of keyboard/mouse/monitor connected to the "**Remote**" console when the KVM switch module is LKS-801CRM or LKS-1601CRM.

■ 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.
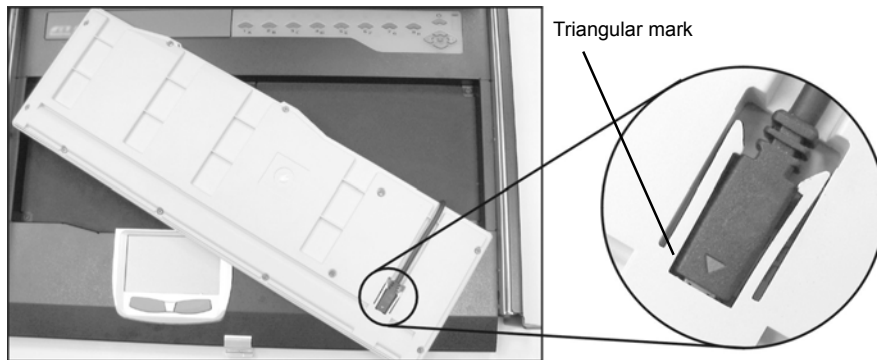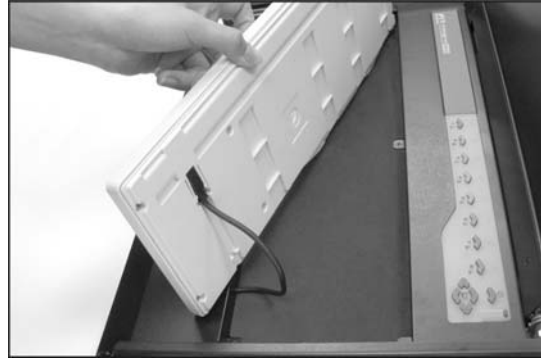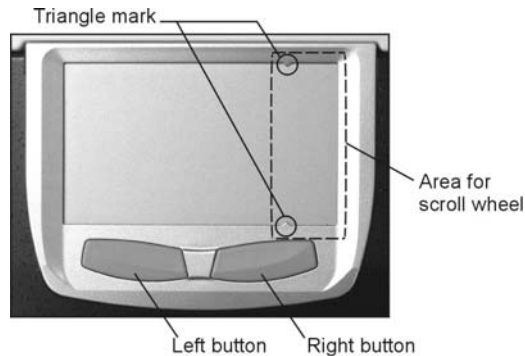

Triangular mark

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.
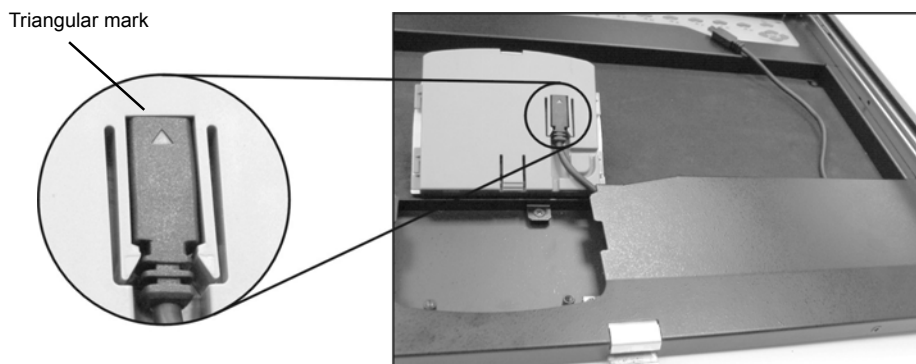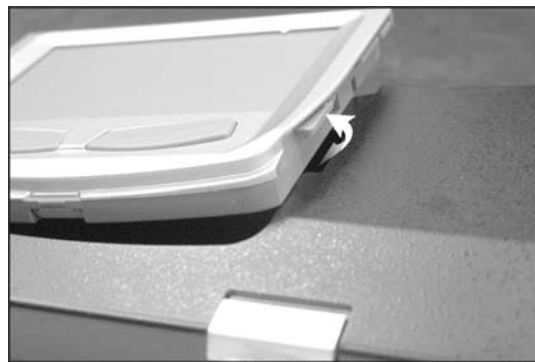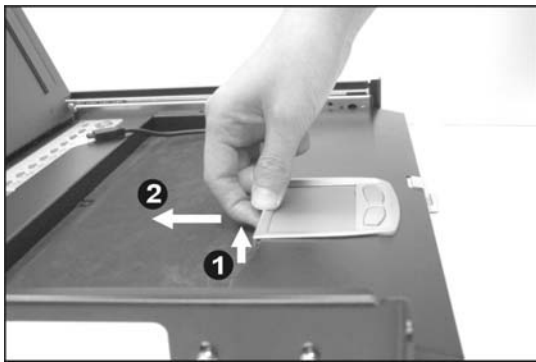
Triangular mark

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	19" LCD Panel	17" LCD Panel	15" LCD Panel
Active Display Area	376.32 x 301.056 (mm)	337.920 x 270.336 (mm)	304.1 x 228.1 (mm)
Pixel Pitch (mm)	0.294 (H) x 0.294 (V)	0.264 (H) x 0.264 (V)	0.297 (H) x 0.297 (V)
Resolution	1280 x 1024 @60/70/75Hz		1024 x 768 @60/70/75Hz
Color Pixel Arrangement	RGB vertical stripe		
Display Mode	Normally White		
Brightness (cd/m^2)	250 (center)	260 (center)	250 (center)
Contrast Ratio (typical)	500:1	450:1	350:1
Display Color	16.7M colors (RGB 8-bits data)	16.2M colors (RGB 6-bits + FRC data)	
User Control	OSD Control (auto saving)		
Input Signal	RGB analog, H/V separate		
Plug-n-Play VESA	VESA DDC 1/2B		
Power Consumption (Max) (normal operation) (typical)	40W	37W	33W
Viewing Angle (typical)	-85~85(H) -85~85(V)	-80~80(H) -80~80(V)	-70~70(H) -60~60(V)
Backlight Unit	4 CCFLs edge-light(top/bottom)		2 CCFLs edge-light(top/bottom)
Temperature Operating Storage (Shipping)	0 to +50 (°C) -20 to +60 (°C)		
Operating Humidity	Relative Humidity 95% (Ta 40°C)		
Non-Operating Humidity	Relative Humidity 95%		
Power Supply	12V DC (from external 100~240V AC power adapter)		
Power Supply (Internal)	-24V/-48V DC models are optional		
Approval	CE, FCC for the product. UL, TUV, CE for power supply		

Note:
1) For optimum video performance, VGA resolution should be set to 1024 x 768 for 15" LCD panel and be set to 1280 x 1024 for 17" and 19" LCD panel with low refresh rate.

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

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