



# CPI CenterView User's Manual

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PRODUCTS, INC.**

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### **CenterView User's Manual**

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Any product that has been repaired or replaced shall be similarly warranted on its repair or replacement for the remaining product warranty period or 90 days from the date of repair or replacement, whichever expires last.

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## INTRODUCTION

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This document is the User's Manual for CenterView KVM Console by Chatsworth Products, Inc. (CPI). It guides the user through installation, operation and maintenance of the product.

CenterView, is a rack mounted monitor, keyboard and mouse drawer occupying a mere 1 RMU (1.75") of rack space. CenterView is an elegant slim platform to manage your rack-mounted servers. The CenterView product replaces the 15" CRT that consumes over 15% of your valuable rack space. Fill your rack with processing power!

As server density increases, giving up valuable rack space for management consoles becomes a critical issue. CenterView can reduce the space and power requirements for your monitoring console.

### CenterView Features:

- Integrated 15" flat panel display 1024x768 resolution
- 1 RMU rack mount chassis - 1.75" High
- Full 83 key, low-profile, notebook keyboard
- Glidepoint touch pad
- Unique high-density, single KVM cable connection
- Compatible with Windows 98 and higher, Linux, Solaris
- Includes all rack mounting hardware
- External cable carrying arm for cable clutter reduction
- 110/220V auto switch power supply



## SAFETY WARNINGS AND CAUTIONS

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**WARNING! DO NOT open the top cover, Hazardous Voltages are present!**



**CAUTION! Account for heat when mounting CenterView!**



**CAUTION! CenterView must be mounted to ensure the integrity of the rack!**



**CAUTION! Use caution when lowering the monitor! Fingers may be pinched.**



**CAUTION! Do not lean on drawer when pulled out!**

DO NOT OPEN THE CENTERVIEW CASE. There are no user serviceable parts inside and opening or removing covers may expose you to dangerous shock hazards or other risks. Refer all servicing to qualified service personnel.

- Do not spill any liquids into the cabinet or use your monitor near water.
- Do not insert objects of any kind into the cabinet slots, as they may touch dangerous voltage points, which can be harmful or fatal or may cause electric shock, fire or equipment failure.
- Do not place any heavy objects on the power cord. Damage to the cord may cause shock or fire.
- Do not place this product on a sloping or unstable cart, stand or table, as the monitor may fall, causing serious damage to the monitor.

When operating CenterView with AC 220-240V power supply, use a power supply cord that matches the power supply voltage of the AC power outlet being used. The power supply cord you use must have been approved by and comply with the safety standards of your country (type HOSVV-F should be used except in U.K.).

The inside of the fluorescent tubes located within the LCD monitor contains mercury. Please follow the bylaws or rules of your municipality to dispose of the tube properly.

## RACK MOUNT INSTRUCTIONS

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### Warning!

To reduce the risk of personal injury or damage to the equipment, be sure that the following items are completed **BEFORE** performing any work on the rack:

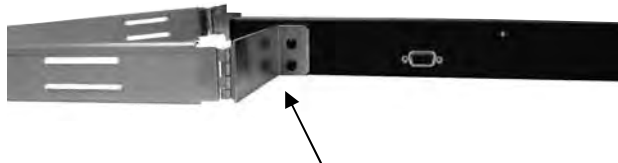
- The leveling jacks are extended to the floor.
- The full weight of the rack rests on the leveling jacks.
- The stabilizing feet are attached to the rack, if it is a single-rack installation.
- The racks are coupled in multiple-rack installations.
- Only one component is extended at a time.

For Installation you will need the following:

- CenterView
- Power cord
- Rack Slides
- User Guide
- CenterView cable
- Cable carrier arm
- 6 - 8-32 x 1/2" Screws
- 2 - 8-32x1/4" Screws
- 12 - 10-32 x 3/4" Screws
- Philips screwdriver

### Installation Procedure

1. Begin by separating the inner member of the rackslide assemblies shipped with the product by extending the slide, depressing the quick release latches and pulling the two members apart. Attach the inner member of each slide to the three posts on each side of the unit with the included 8-32x1/2" screws.
2. Prior to mounting the unit in the rack attach the cable carrier to the back of CenterView with the included 8-32x1/4" mounting screws.



## RACK MOUNT INSTRUCTIONS

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### Installation Procedure

3. Adjust the rear outer member rail brackets to the proper depth of the rack cabinet.
4. Attach the mounting rails to the rack using the included 10-32 x 3/4" screws, making certain to have the front brackets aligned with the front of the slide.
5. With the rails mounted in the cabinet at the desired height, carefully lift the CenterView and align the inner members of the slide with the slide rails mounted in the rack. Gently slide the unit in until the quick release latches catch. Depress both sides of the latches to allow the unit to retract fully within the cabinet. Slide the ball bearing rack as far forward as possible and be certain that the slides engage the ball bearings of the slide rail.
6. After the unit is successfully mounted, attach the end of the cable carrier to the rack cabinet using the same mounting screws as used for the slide. Adjust the screws so that the cable carrier remains in its 1 RMU area.



Step 3/4: Bracket, front of cabinet



Step 3/4: Bracket, rear of cabinet



Step 5: CenterView, in cabinet

## CABLE CONNECTIONS

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### Power

Check that the power switch is in the off position (O). Connect the included power cable to the receptacle located on the back of the CenterView unit.

### CenterView Cables

CenterView uses proprietary cables to connect the unit to a PC server or KVM switch. One end of the cable is a 15-pin connector that attaches to the rear of CenterView. The other end is split into three connectors: one 15-pin VGA connector for attachment to a server's video output; one PS/2 connector for the keyboard and one PS/2 connector for the mouse.

### Cable Lengths

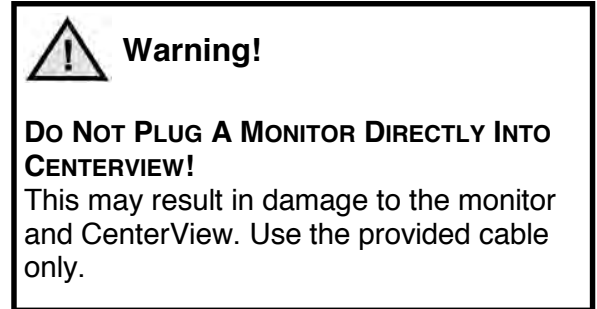
Cable length affects video quality as well as keyboard and mouse data timing. The maximum cable length is determined in part by the computer and peripherals used. Not all systems give satisfactory results at the maximum length. The standard cable supplied with CenterView is 6 feet in length. However, cables can also be ordered in nine, 12 and 20 foot lengths. A 12 foot extension cable is also available. Please contact your CPI sales representative.

### Server Cable Connections

First, power down any computers or switches that will be connected to CenterView. Then make the proper connections to the server's video, mouse and keyboard receptacles.

Once all servers are connected you may power up CenterView and then power up the attached device.

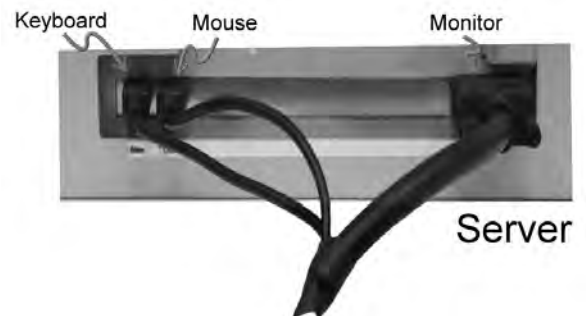
If the Server has a USB keyboard/mouse connection, a Converter is available as an accessory.



Centerview Cable Connections



Sever Cable Connections



## TFT SETUP AND CONTROLS

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To access the on-screen TFT controls press the enter button on the right side of the display. This brings up the display's main menu.

The first selection is the Auto Adjust function. Selecting this option brings up the Auto Adjust menu. Here you can select No or Yes using the up and down buttons. If you select Yes, the TFT will attempt to automatically detect your video output specifications and reset the TFT to match.

If you want to manually adjust the other settings on the TFT simply select the item, Brightness, Clock, Position or Contrast and follow the on-screen options.

Remember to use the TFT buttons next to the monitor screen, not the keyboard buttons.

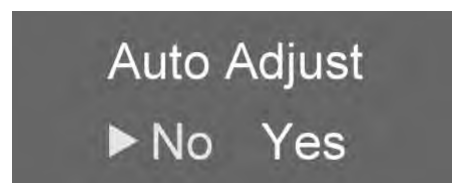
When you have completed your choices, the on-screen menu can be turned off by pressing the exit button.



TFT OSD menu buttons



TFT OSD menus



## CENTERVIEW OPERATION

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### **Getting Started**

Slide the drawer of the system out until the retention clips of the ball bearing slides catch. Open the TFT to a comfortable viewing angle. CPI suggests that all servers be set to 1024x768 resolution (optimal TFT performance) and that the refresh frequency be set to a level that creates a crisp video signal.

### **Keyboard**

The CenterView keyboard is a standard 83-key English laptop keyboard. When NumLk is invoked (LED will display on) the right side of the keyboard becomes a keypad for number entry.

### **Touchpad**

The touchpad buttons operate in a dual mode. The standard buttons directly below the touchpad will activate right and left mouse clicks. Also a tap to the dark gray portion equals a left mouse click while tapping the light gray corner will create a right mouse click.

### **LEDs**

There are four LEDs on the CenterView unit Caps Lock, Scroll Lock, Number Lock and TFT indicator. When the keyboard functions are enabled the GREEN LED to the top right of the keyboard will illuminate. When the TFT is not receiving a signal but is powered the TFT indicator light will remain RED. This occurs when the TFT enters a sleep mode. When a signal is detected the LED will turn from RED to GREEN.

### **TFT Buttons**

The four buttons to the right of the TFT control the TFT on-screen display.

## FUSE REPLACEMENT AND MAINTENANCE

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### Fuse Replacement

CenterView is equipped with fuse protection located next to the on-off switch. To assure proper operation of the unit and prevent possible damage or fire, always replace the fuse with the same specifications:

**Fuse Value: 250V, 2.0A Maximum**

### Care and Cleaning

Clean the LCD monitor surface with a lint-free, non-abrasive cloth. Avoid using any cleaning solution or glass cleaner!

Adjust the monitor's brightness and contrast controls to enhance readability.

Avoid displaying fixed patterns on the monitor for long periods of time to avoid image persistence (after-image effects).

### Ergonomics

To realize the maximum ergonomics benefits, we recommend the following:

- Adjust the Brightness until the background raster disappears
- Do not position the Contrast control to its maximum setting
- Use the preset Size and Position controls with standard signals
- Use the preset Color Setting
- Use non-interlaced signals with a vertical refresh rate between 60-75Hz
- Do not use primary color blue on a dark background, as it is difficult to see and may produce eye fatigue to insufficient contrast

## REGULATORY INFORMATION

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### **Intended Use of Product:**

Video Display and Keyboard, and Mouse control  
Indoor Central Office Location

CenterView is compliant with the following standards and specifications:

### **European Union:**

Directive No. 89/336/EEC Electromagnetic Compatibility (EMC) as amended by 92/31/EEC and 93/68/EEC

- EN 55022: 1998 +A1 +A2 Class A
- CISPR 22: 1997
- EN 61000-3-2: 1995
- EN 61000-3-3: 1995
- EN 55024: 1998,
- EN 61000-4-2: 1995
- EN 61000-4-3: 1995
- EN 61000-4-4: 1995
- EN 61000-4-5: 1995
- EN 61000-4-6: 1995
- EN 61000-4-11: 1994

Directive No. 73/23/EEC Low-Voltage-Directive (LVD), as amended by 93/68/EEC for CE Marking

- EN/IEC 60950:1992 +A1, +A2, +A3, +A4

The Technical Construction File is held by Epicenter Inc., 211B Calle Pintoresco, San Clemente, CA 92672

### **International:**

- CISPR 22: 1997 Class A
- CISPR 24: 1997
- IEC 950: 1992 +A1, +A2, +A3, +A4

### **United States Of America:**

- UL Listed for I.T.E, E212076
- FCC CFR 47 Part 15 Subpart B, Section 15.107(a) and Section 10.103(a), Class B Digital Device

# SPECIFICATIONS

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## Environmental

### Temperature

- Operating: 32° to 104° F (0° to 40° C)
- Non-operating: -4° to 140° F (-20° to 60° C)

### Humidity

- Non-condensing, operating: 10 to 90%
- Non-condensing, non-operating: 5 to 95%

### Altitude

- Operating: 0 to 10,000 ft (0 to 3048 m)
- Non-operating: 0 to 30,000 ft (0 to 9144 m)

### Audible Noise

- Less than 60 dbA.

### Heat Dissipation

- 54 Btu/hr maximum

### Shock

- Operating: 5 to 500 Hz, 0.5 g (0.1 oct/min)
- Non-operating: 5 to 100 Hz, 1 g (0.1 octave/min); 100 to 500 Hz, 1.5g (0.2 octave/min); 500 to 1000 Hz, 1.5 g (0.2 octave/min)

## Electrical

### Grounding

- Chassis grounded

### Voltage

- 100 to 240V AC

### Current

- .5 Amps at 240V AC up to .7 Amps at 100V AC

### Line Frequency

- Single phase 50 or 60 Hz

## Compatibility

- XVGA 1024 x 768
- SVGA 800 x 600
- VGA 640 x 480
- PS/2 Keyboard
- PS/2 Mouse