

# RACKMOUNT CONSOLE KVM SWITCH QUICK INSTALL GUIDE

MODEL 501620



# INTRODUCTION

Thank you for purchasing the INTELLINET NETWORK SOLUTIONS™ Rackmount Console KVM Switch, Model 501620 (15" LCD, 8-port).

Manage up to eight PS/2 or USB computers from one keyboard, monitor and mouse, all housed in an industry-standard 19" 1U-height rack drawer. The space-saving console is easily pulled out and accessed in the extended position, and the display can be folded down, locked and secured when stored. Plus, when the console is cascaded with other KVM switch modules to increase server management capacity, you save even more space.

The Rackmount Console KVM Switch comes with a universal CEN36 connector for connection between the console drawer and a KVM switch module. This modularized design offers maximum flexibility, as you can choose and swap the modules to fit your needs. A KVM switch module can also be used as an independent KVM switch.

This quick installation guide shows you how to assemble and position the rackmount console. Follow the steps for quick and easy installation and you'll soon be enjoying these additional popular features:

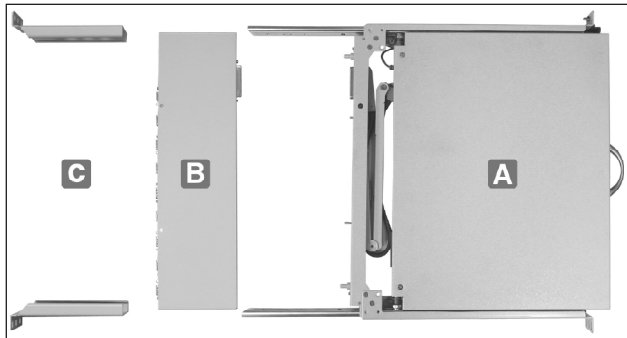
- Flip-open 15" LCD panel supports 1024 x 768 resolution
- For rack cabinets with depth from 67.5 to 80.5 cm (26<sup>5</sup>/<sub>8</sub>" to 31<sup>5</sup>/<sub>8</sub>"
- Full 105-key, low-profile, sturdy keyboard
- Ergonomic hand-rest design
- Ultra-sturdy, tilt-free, 2-piece rear bracket and extension design
- OSD control and adjustment
- Cascadable to all INTELLINET NETWORK SOLUTIONS Rackmount PS/2 KVM switches for expansion
- Auto-scan automatically selects computers sequentially
- Supports Microsoft IntelliMouse (Pro)
- Supports both PS/2 and serial mouse
- Assign computers unique and meaningful names
- Programmable scan filters unused computers
- Store system settings and name entries to non-volatile memory
- Password security protects computers from unauthorized use
- Gain complete control with easy-to-use OSD interface
- Hotkey functions allow easy computer access
- Keyboard states automatically saved and restored when switching computers
- Operating system independent, transparent to all applications
- Plug and Play system configuration
- Keyboard and mouse can be hot plugged at any time
- DDC2B compatible
- Includes one set of 1.8 m (6 ft.) connection cables for PS/2 computer
- Lifetime Warranty

# CONSOLE ASSEMBLY

## Parts

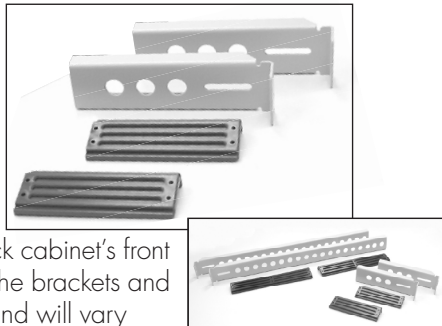
### Three-Section Console:

- A. 1U slide drawer touchpad and LCD monitor.
- B. 1U KVM Switch Module.
- C. Rear bracket and extension kit.



### Rear Bracket and Extension Kit:

Each Rackmount Console KVM Switch features a rear bracket and extension kit, which includes two pieces of rear brackets and two pieces of extensions. The enclosed kit fits cabinet depths of 67.5 – 80.5 cm (26 5/8 – 31 5/8"), as measured between the inside of a rack cabinet's front and rear uprights. As shown at right, the brackets and extensions come in different lengths, and will vary depending on the model.



## Assembly

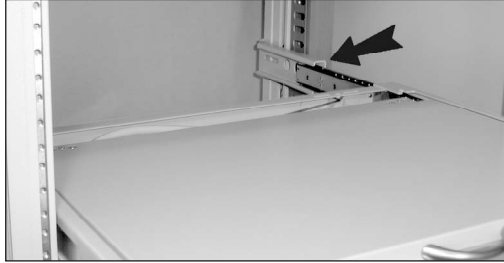
1. Choose a proper position for the rack drawer. Mount the rear brackets (from the rear bracket and extension kit), and loosely fasten them onto the rear vertical uprights of the cabinet as shown. Both will be removed later.



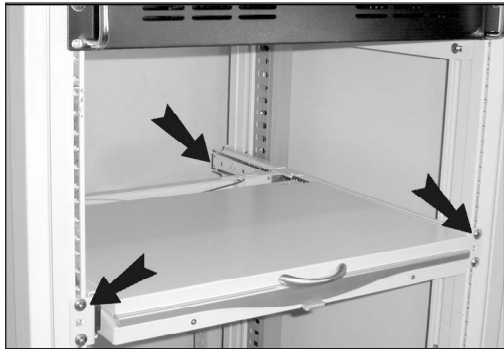
2. Remove the safety stopper from the console drawer.  
**CAUTION:** The stopper is designed to keep the drawer from sliding out during transportation; otherwise, the drawer could slide out.



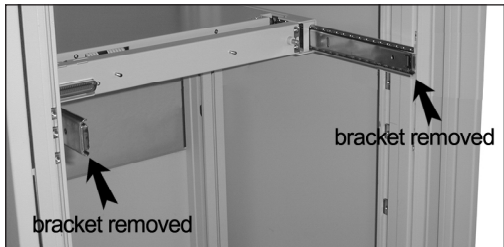
3. Slide the console drawer into the rack cabinet from the front and insert the two slide rails of the console drawer into the sleeves of the rear brackets.



4. Fasten the console drawer to the outside of the front vertical uprights using the four screws provided. The metal brackets (as indicated by the far arrow) support the rear side of the console.  
**NOTE:** The image at right is a front (console drawer-side) view.

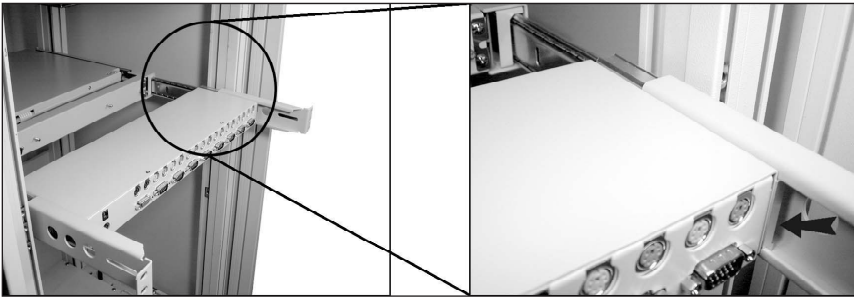


5. Remove both rear brackets and slide the drawer halfway out to balance its weight. (The front brackets hold the drawer.) **NOTE:** The image at right is a rear (KVM switch module-side) view.



6. Attach the extensions (from the rear bracket and extension kit) to both sides of the KVM switch module. Note that the wider lip is the top of the plastic extension.

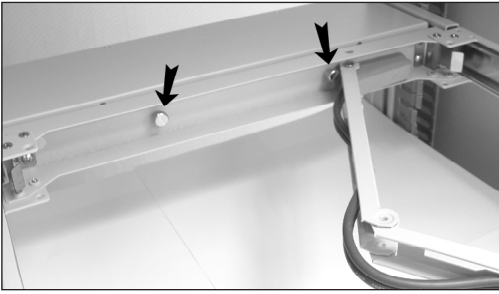




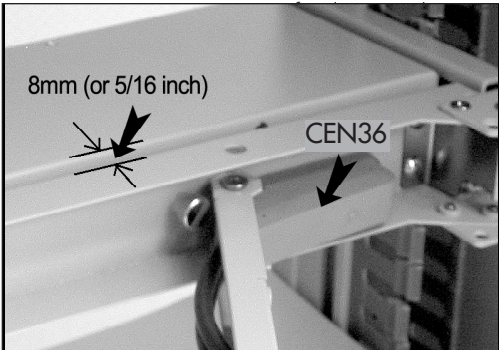
7. The rear brackets, extensions and slide rails need to fit tightly. As shown above-left, slide the rear brackets onto the extensions. Then, as shown above-right, insert both sliding rails of the console drawer into the tight space formed by the rear brackets and the extensions. Holding the KVM switch module on both sides, push it in evenly.
8. Push the rear brackets all the way in and fasten them securely.



9. Slide the drawer out to access the connecting screws. Push the KVM switch module evenly toward the connector attached to the console drawer and lock both units together by tightening the screws indicated by the arrows.

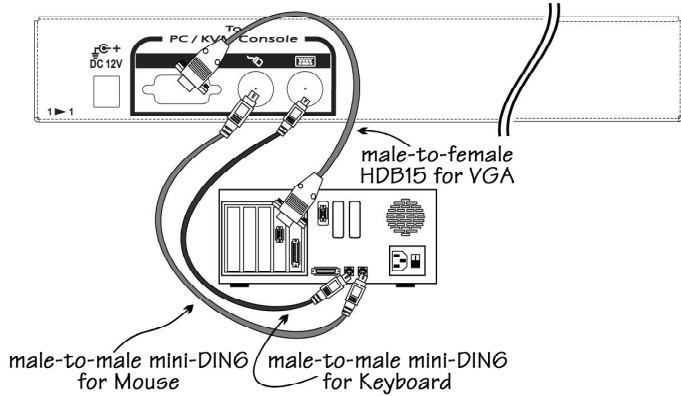


10. Make sure the CEN36 connector is secured firmly, leaving a slight gap as shown in the image at right.
11. Connect the power supply to the power jack on the KVM switch module to complete the installation.

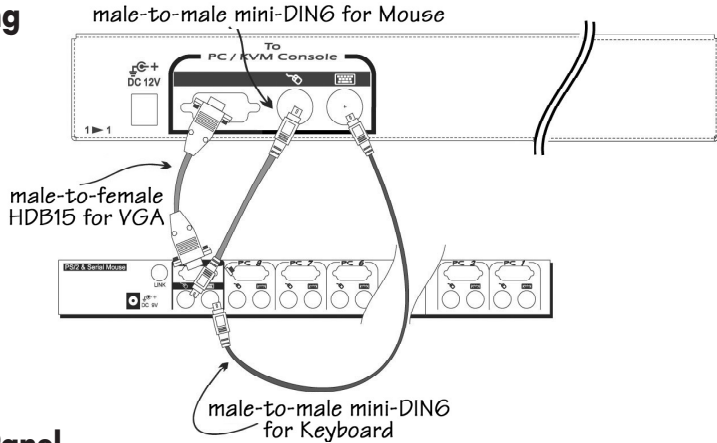


# CONSOLE INSTALLATION

## Connecting to a Computer

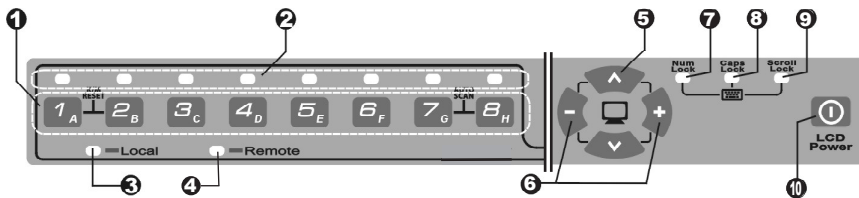


## Connecting to a KVM Switch



## Console Panel

The console panel of the switch is located along the top of the keyboard.



### KVM Control and Status Indicators:

**NOTE:** This section is effective only when a KVM switch module is connected.

1. Computer Selection Pad — Press one of these buttons to select a computer.

**NOTE:** If this 8-port model is used in conjunction with a 16-port model, you may see a keyboard labeled with “A”–“H” in addition to “1”–“8” (as shown). “1”–“8” are for the lower row of eight ports; “A”–“H” are for the higher/upper row. Port 1 and Port A share the same button: If Port 1 is already selected, tap its button to select Port A. If Port 1 is not selected, press and hold the “1” button on the console panel for two seconds to select Port A.

2. Selected Computer Indicator — An indicator lights red when its corresponding computer is selected.
3. Local Console in Operation — This lights green when a computer is accessed through the console.
4. Remote Console in Operation — This lights green when a computer is accessed by a remote keyboard/mouse/monitor set.

### LCD Panel Controls:

5. LCD Panel Menu — These buttons bring up the on-screen display menu of settings for the LCD panel.
6. LCD Panel Adjustment — These let you adjust the settings for the LCD panel.
- 7–9. Number lock, caps lock and scroll lock indicators, respectively.
10. LCD panel power switch.

## SPECIFICATIONS

### Standards

- PS/2, USB
- Compatible with Windows, MAC, Unix

### General

- PC connections: 8
- Cable type: special 3-in-1, HD15 for PS/2 or for USB (sold separately)
- Console connections: 1
- PC port connectors:
  - Keyboard + mouse + monitor: HD15 x 8
- Console port connectors:
  - Keyboard: PS/2
  - Mouse: PS/2
  - Monitor: HD15 female
- Computer selection:
  - Via buttons
  - Via hotkeys
  - Via Windows switching software client
- Maximum number of cascadable PCs: 64 (when cascaded with models of same type)
- OSD: yes
- Automatic scan interval: 3, 8, 15, 30 seconds
- Programmable scan pattern
- Cable length maximum:

30 m (100 ft.) at console; 15 m (50 ft.) at PC ports for PS/2; 5 m (16 ft.) at PC ports for USB

- VGA bandwidth: 1920 x 1440, DDC2B
- LCD KVM drawer connector: CEN36
- Video resolution: max. 1024 x 768
- FCC Class B, CE, RoHS

### Power

- 12 V DC, 3 A (connected to LCD drawer)
- 9 – 12 V DC, 500 mA (not connected to LCD drawer)
- Power consumption: max. 500 mA

### LCD Panel Specifications

- Active display area: 304.1 x 228.1 (mm)
- Pixel pitch (mm): 0.297 (H) x 0.297 (V)
- Resolution: 1024 x 768 @ 60/70/75 Hz
- Color pixel arrangement: RGB vertical strip
- Display mode: normally white

- Brightness (cd/m<sup>2</sup>): 250 (center)
- Contrast ratio: 350:1
- Display color: 16.2M colors (RGB 6-bits + FRC data)
- User control: OSD control (auto saving)
- Input signal: RGB analog, H/V separate
- Plug and Play VESA: VESA DDC 1/2B
- Power consumption (max): 33 W (normal operation/typical)
- Viewing angle (typical): -70 – 70 (H); -60 – 60 (V) (typical)
- Backlight unit: 2 CCFLs edge-light (top/bottom)
- Power supply input voltage: full range, 100 – 240 V AC

### Environmental

- KVM module dimensions: 40 (H) x 404 (W) x 114 (D) mm (1.6 x 15.9 x 4.5 in.)
- Weight: 18.8 kg (41.44 lbs.)
- Operating temperature: 0 – 50°C (32 – 122°F)

- Operating humidity: 8 – 95%
- Storage temperature: -20 – 60°C (-4 – 140°F)
- Storage humidity: 95% RH

### Package Contents

- Rackmount Console
- Rear bracket and extension kit
- KVM Switch Module
- Power adapter
- One 1.8 m (6 ft.) PS/2 3-in-1 cable
- One 1.8 m (6 ft.) USB 3-in-1 cable
- Console quick install guide
- CD with KVM Switch Module user manual

### Add'l Cables Required (sold separately)

- PS/2 3-in-1 KVM Cable, 1.8 m (6 ft.): 502535
- PS/2 3-in-1 KVM Cable, 3.0 m (10 ft.): 503303
- USB 3-in-1 KVM Cable, 1.8 m (6 ft.): 502242
- USB 3-in-1 KVM Cable, 3.0 m (10 ft.): 503327



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