

# Quick Installation Guide

## 2/4/8 Port Single/Dual-Head Modular Secure KVM Switches

### Objectives

- Scan the QR code or visit Belkin Cybersecurity YouTube Playlist for Secure KVM Unboxing and Troubleshooting videos.
- This guide includes instructions for installing Belkin Modular Secure KVM Switches. A modular secure KVM will need to be connected by a group of cables designed to support various video combinations. Consult the user manual or your Belkin representative for the correct cables required. Without the correct cables, the modular secure KVM can not be made operational.
- A modular KVM allows sharing keyboard, video, mouse and digital audio peripherals between multiple computers.
- This Manual and additional product documentation is available for online download on Belkin website. For further assistance please refer to: <http://www.belkin.com/us/Resource-Center/Cybersecurity/Secure-KVM-Switching/>.



### General

- Verify that all peripherals and computers are turned OFF prior to connecting them to the product.
- Verify that you have the correct modular cables for your install.
- The KVM's back panel is divided into sections of Console Ports and Computer Ports.
  - Using proper mounts and mounting techniques, secure the unit to its mount (optional equipment)
  - Connect the peripherals to be shared by the KVM to the Console Port via a modular cable, and the keyboard and mouse ports on the front panel.
  - Connect the provided (optional) remote control to the front panel via the supplied cable.
- Connect each computer that needs access to shared peripherals to a specific Computer Port section via a modular cable.
- Make sure that every computer is connected to a separate Computer Port section.
- The push buttons on the product's top panel indicate which computer has current access to shared peripherals.
- To switch peripherals between computers, press the appropriate push button on the product's top panel, or use the channel buttons on the remote control.

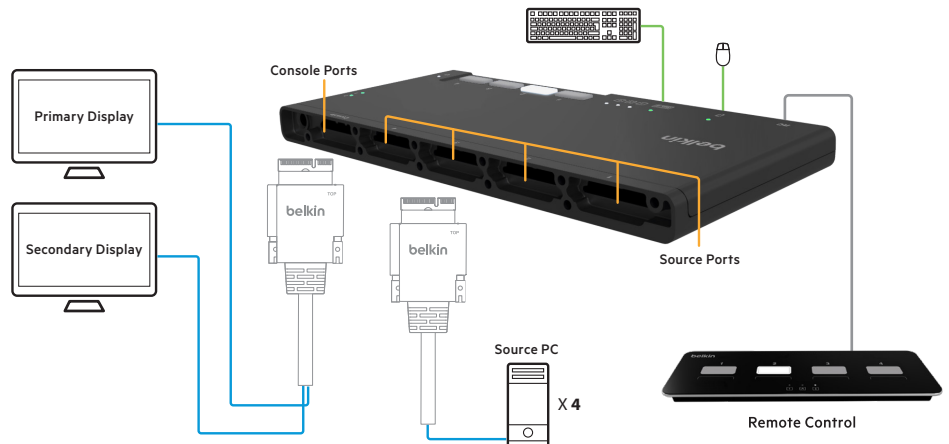
### F1DN204MOD-PP-4 Model is shown

#### 1 Connect peripherals to the KVM Console Ports:

- **Keyboard & Mouse:** Connect a USB keyboard and mouse to the corresponding USB ports on the front panel. The Keyboard and mouse connected lights (top panel) will illuminate green. If the keyboard or mouse are not authorized, the lights will illuminate red.
- **Video:** Connect the modular console cable to the KVM console video port and to the monitor(s). The EDID LEDs (top panel) will operate as follows:
  - Off: no EDID
  - Flicker: EDID read in progress
  - On: EDID received

**Note:** EDID is only read in the first few seconds of device boot. The secure switch does not support hot plug or swap of displays. In any swap of display(s) it is required to restart the KVM.

- **Audio peripherals:** Connect headphones / speakers to the monitor audio-out port, since audio is handled by the video channel, audio out is only available on the monitor(s).



#### 2 Connect computers to the KVM Computer ports:

- **Computer keyboard & mouse connection:** Connect each computer to the KVM keyboard & mouse computer port using modular host cable, connect the USB A end to the computer.

- **Computer video connection:** Connect each computer to the KVM computer video port using the corresponding modular host cable. If two video connections exist, make sure each PC video 1 is in the "1" video connector.
- **Computer audio connection:** Is supplied in all cases except VGA via the video connection.

### 3 Mounting Options and Remote Control:

The modular secure KVM is very small in footprint. As such it is highly suggested that the unit be mounted in a convenient location at the desktop using one of the optional mounts provided by Belkin. Each mounting option has been designed to facilitate a position on or near the desktop. See the Belkin web site or contact your Belkin representative for a full understanding of the multiple options, which include an on desk/under desk mount, a VESA back of the monitor mount, as well as a single and dual monitor stand with an integrated mount.

- **Installation:**
  - Choose the mount
  - Install the modular KVM unit with it's modular cables to the mount
  - Install the remote control on the desktop near the mouse with enough cable loop to provide easy access and movement for the operator. NOTE: when using the remote control, the top panel buttons are disabled.
  - Connect per section 1 and 2.

### 4 Power ON your system:

- **Power ON the monitor/s:** Make sure that the monitor/s is/are turned ON prior to powering ON the KVM.
- **Power ON the system:** Connect all peripherals and computers to the KVM prior to powering it up. Power ON the KVM by plugging it to the AC wall outlet. By default, after product power-up, the active channel will be computer #1, indicated by the applicable top panel or remote control button LED lit.
- **Important Notes:**  
 Anti-Tamper System: This Switch is equipped with anti-tamper triggers. Any attempt to open the enclosure will activate the anti-tamper triggers, render the unit useless and warranty will be void. If the unit's enclosure appears disrupted or if all the port LEDs flash continuously, please call Belkin Technical Support at (800) 282-2355.  
 Product Enclosure Warning Label and Tamper Evident Labels: Belkin Secure Switch uses product enclosure warning label and holographic tamper evident labels to provide visual indications in case of enclosure intrusion attempt. If for any reason one of

these seals is missing or appears disrupted, please avoid using product and call Belkin **Technical Support at:** (800) 282-2355.

**Power ON Self-Test Procedure:** As the product powers-up it performs a self-test procedure. In case of self- test failure for any reason, including jammed buttons, the product will be Inoperable and self-test failure will be indicated by abnormal LED behavior.

In the above mentioned cases, please call Technical Support and avoid using the product. For further information please refer to the product administrator and setup guides.

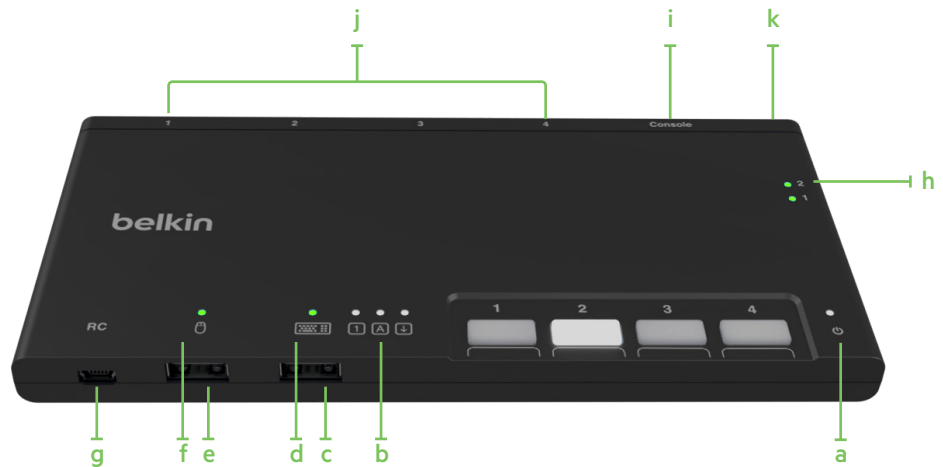
**Please note:** Belkin Secure KVMs cannot be upgraded, serviced or repaired.

### 5 Switching between computers:


Switch between computers by pressing the corresponding top panel or **remote control** button on the KVM. The top panel button or the **remote control** button of the selected computer will illuminate.

### Ports and LEDs Index:

- a. Power LED
- b. Keyboard Lock LEDs
- c. Keyboard USB input
- d. Keyboard LED
- e. Mouse USB Input
- f. Mouse LED
- g. Remote Control input
- h. Active Display Indication LED (EDID)
- i. Console Cable Connectors
- j. 1-4 PC Cable Connectors
- k. Power input connector



To learn how to change the colors on the Belkin Remote Control with Integrated Keyboard when using with your Modular SKVM, go to: <https://www.belkin.com/cybersecurity/resources> or scan



## 6 Keyboard color configuration:

1. Open WordPad or Notepad on the computer connected to channel #1.
2. Using keyboard, type CTRL (Left), CTRL (Right), “+” in WordPad or Notepad to enter Admin Mode. Type CTRL (Left), CTRL (Right), “+” in sequential order, do not hold down the keys.
3. Text will appear in WordPad or Notepad asking for a user name. The default user name is: “admin1234”. This account ID cannot be changed or deleted. Type in the user name, then click Enter.
4. The default first device logon password is: “1234ABCDefg!@#”. Type in the password, then click Enter. (At first logon the administrator must set a new, nondefault, password. The new password must be at least: 8 characters long but not longer than 24k; at least one capital and one lower-case letter; at least one number; at least one symbol).
5. Once authentication succeeded, type option 3 – configure sc followed, then click Enter.

6. Under configure sc, type option 7 – rgb fp configuration, then click Enter.
7. On choosing Option 7 – RGB Front Panel Configuration a new menu will appear with the following options:
  - 1 – Upload FP configuration from a host
  - 2 – Select Colors for Channels
  - 8 – Back
  - 9 – Exit terminal mode

On choosing option 1 - the user can upload an external file with RGB configuration. Option 2 opens a dialog where user will chose the color configuration, as follows:

1. Select a channel [1..4] (\*or 1-8 in 8 Port units) or press esc to go back
2. Select a color.
 

r – red	c – cyan
o – orange	b – blue
y – yellow	p – purple
w – white	t – magenta
m – mint	8 – Back
g – green	

8. Choose option 9, Exit Terminal Mode.



## Supported Hardware

The KVM switches support most standard USB keyboards and mice.

**Note:** For security reasons:

- Microphones or headsets with microphones should not be used and are not supported.
- Wireless keyboards, mice and audio should not be used and are not supported.

Models including "MOD" in model name support VGA, DVI-D, DisplayPort , Mini DisplayPort, USB-C (TB3) and HDMI Video both from PCs and Monitors. The maximum supported resolution is 3840X2160 @30Hz.

The secure modular KVM must use Belkin cable sets to connect PCs and monitors. Belkin offers a complete line up of cables to support customer needs. Please contact your Belkin sales representative or go to Belkin Website:

<https://www.belkin.com/business/cybersecurity-and-secure-kvm/kvm-switches---secure/secure-accessories/>

## Environmental

- Operating temperature is 32° to 104° F (0° to 40° C).
- Storage temperature is -4° to 140° F (-20° to 60° C).
- Humidity requirements are 0-80% relative humidity, non-condensing.

## Operating Systems

- Microsoft® Windows®
- Red Hat®, Ubuntu® and other Linux® platforms
- Mac OS® X v10.3 and higher

## Power

12-volt DC (+/- 10%) , 2.5-Amp (max)

## Dimensions

3.5 (W) x 0.6 (H)x 7.5 (L) Inches, Weight: 0.55 Lbs

90 (W)x 15 (H)x 190 (L) mm, Weight: 0.250 kg

This product is certified to the NIAP Protection Profile PSD version 4.0, certification for peripheral sharing switch devices.

In addition we, Belkin International Inc, of 555 S. Aviation Blvd. Suite 180, El Segundo, CA 90245-4852, declare under our sole responsibility that the products described in this carton comply to the declarations found at:

<https://www.belkin.com/us/support-article?articleNum=316284>