



OmniView™ Video Splitter

*Broadcast and control video signals
on up to eight monitors*



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User Manual
ExpandView™ Series

F1DV104
F1DV108

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INTRODUCTION

Congratulations on your purchase of the Belkin OmniView ExpandView Series Video Splitter (the Splitter). Our diverse line of market-leading KVM solutions from Belkin exemplifies our commitment to delivering high-quality, durable products at a competitive price. Engineered to give you control over multiple monitors, the Belkin ExpandView Series comes in 4- and 8-port versions, suitable for all configurations, large or small. To ensure your satisfaction, these compact, affordable Splitters come with a Belkin Five-Year Warranty and free technical support.

This manual will provide details about your new Splitter, from installation and operation, to troubleshooting—in the unlikely event of a problem. For easy installation, please refer to the Quick Installation Guide included with your Splitter.

Thank you for purchasing the Belkin OmniView ExpandView Series Video Splitter. We appreciate your business and have confidence that you will soon see for yourself why over 1 million Belkin OmniView products are being used worldwide.

Package Contents:

- OmniView ExpandView Series Video Splitter
- User Manual
- Quick Installation Guide
- Registration Card
- 9V DC, 1.5A Power Supply

OVERVIEW

Feature Overview

Video Resolution

The Splitter supports video resolutions up to 2048x1536@85Hz through a 400MHz video bandwidth.

Light-Emitting Diode

The LED display on the front panel of the Splitter functions as a status monitor. An LED above each direct-access monitor selector lights to indicate which monitors are currently active.

Direct-Access Monitor Selectors

Located conveniently on the front panel of the Splitter, direct-access monitor selectors allow for simple, manual monitor selection. Each button controls a monitor.

OVERVIEW

Equipment Requirements

Cables

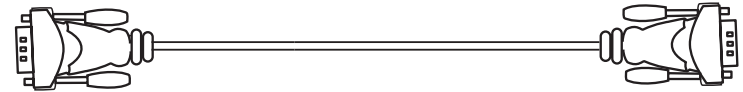
To connect to the computer, the Splitter requires one VGA cable. Video resolution support of up to 2048x1536@85Hz requires use of a 75-Ohm coaxial VGA cable to preserve signal integrity. VGA cables must have HDB15 female-to-HDB15 male connectors. The following cable is recommended for your Splitter.

OmniView Video Extension Cable

F1D9003-XX

(VGA Female to Male Style)

(-XX denotes length in feet)

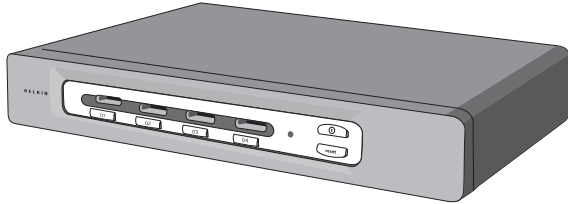


Monitors

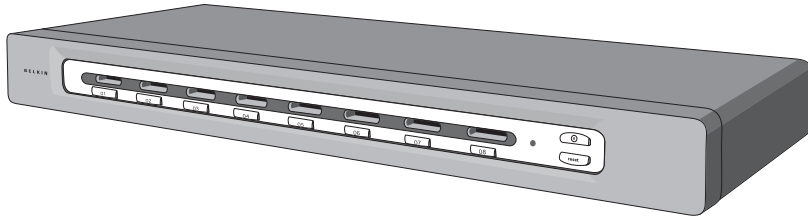
- VGA
- SVGA
- MultiSync®

OVERVIEW

Unit Display Diagrams

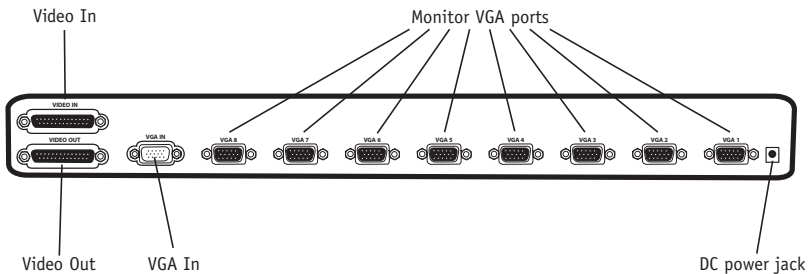


F1DV104



F1DV108

The Back of the KVM Switch:



OVERVIEW

Specifications

Part No.: F1DV104, F1DV108

Power: 9V DC, 1.5-Amp power adapter with center-pin positive polarity

Daisy-Chain: Maximum of 4 Splitters

Monitors Supported: 4 (F1DV104), 8 (F1DV108)

Monitor Types Supported: VGA, SVGA, MultiSync, and LCD (optional adapter may be required)

Max Resolution: 2048x1536@85Hz

Bandwidth: 400MHz

VGA Port: 15-pin HDDB type

LED Indicators: 4 (F1DV104), 8 (F1DV108)

Enclosure: Metal enclosure with high-impact plastic faceplate

Dimensions:

F1DV104

11 x 1.75 x 6 inches (279 x 44.5 x 150mm)

F1DV108

17.25 x 1.75 x 7.5 inches (438 x 44.5 x 190mm)

Weight:

F1DV104 5.3 lbs. (2414g)

F1DV108 9.2 lbs. (4181g)

Operating Temp: 32° to 104°F (0~40° C)

Storage Temp: -4° to 140°F (-20~60° C)

Humidity: 0-80% RH, non-condensing

Warranty: 5 years

NOTE: Specifications are subject to change without notice.

INSTALLATION

Pre-Configuration

The enclosure of the Splitter is designed for a standalone or multiple-splitter configuration.

Consider the following when deciding where to place your Splitter:

- The location of your monitors
- The lengths of the cables you use to connect your monitors to the Splitter
- The location of your computer
- The lengths of the cables you use to connect your computer to the Splitter
- Number of splitters you wish to use

Cable Distance Recommendations

We recommend that the video cable length be limited to 30 feet for best video performance. Beyond that length, lower video resolutions are recommended.

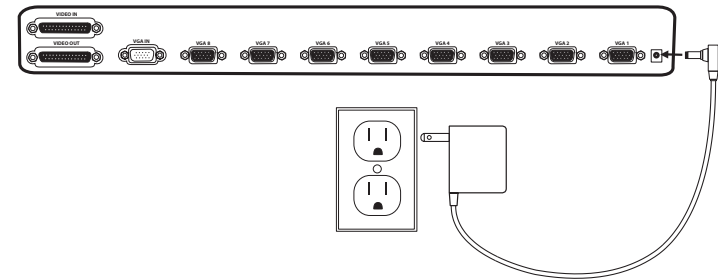
INSTALLATION

Standalone Splitter – Installation

This section provides complete instruction for the hardware setup of a single splitter configuration.

Powering On the Splitter

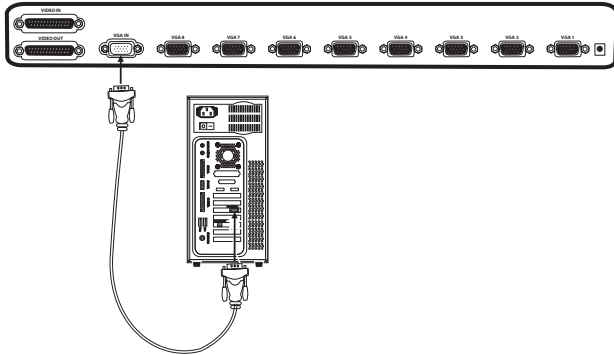
1. Connect the included 9V DC, 1.5A power supply to an available power outlet.
2. Attach the barrel plug into the power jack of the Splitter.



INSTALLATION

Connecting the Computer to the Splitter

1. Make sure your computer is powered off.
2. Using the OmniView Video Extension Cable (F1D9003-XX), connect the HDDB15 male type connector to the video card on your computer.

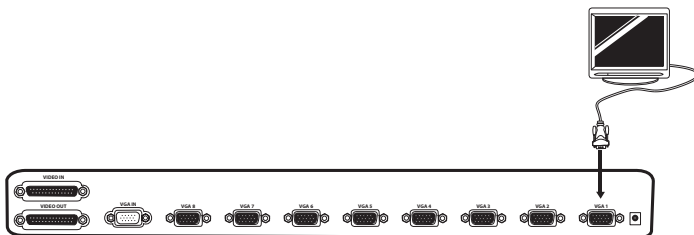


3. Connect the HDDB15 female type connector to the input port on your Splitter.
4. Boot up your computer.

Connecting Monitors to the Splitter

1. Make sure your monitor is powered off.
2. Connect the HDDB15 male type connector of your monitor to the HDDB15 female type connector output port on your Splitter.
3. Turn on your monitor.

Repeat steps 1-3 for each additional monitor you wish to connect.



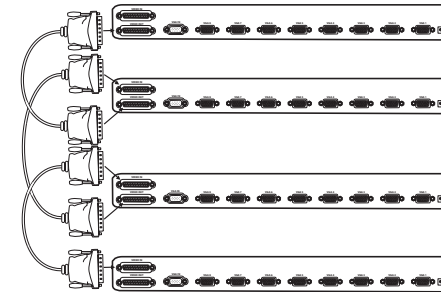
INSTALLATION

Multiple Splitters – Installation

You can daisy-chain up to four Splitters together, giving you the ability to view a maximum of 32 monitors. When daisy-chained together, the master Splitter will control all reset and power functions.

Note: A daisy-chain cable (F1D108-CBL) is required to daisy-chain each Splitter and is available through your Belkin reseller or online at belkin.com.

Example of Daisy-Chain Configuration



Before you begin:

1. Make sure all monitors are powered off.
2. Place all primary and secondary splitters in the desired locations.
3. Connect the power supplies to the Splitters being used.
4. Connect the monitors to the Splitters as previously described for a standalone configuration.

Connecting the Daisy-Chain Cable

5. Using the daisy-chain cable (F1D108-CBL), connect one end to the "VIDEO OUT" port on the first Splitter.
6. Connect the other end of the daisy-chain cable to the "VIDEO IN" port on the second Splitter.

**** **Caution and Warning** ****

Never connect "VIDEO IN" to "VIDEO IN" or "VIDEO OUT" to "VIDEO OUT". This may produce unpredictable results and may cause damage to the Splitter.

USING YOUR SPLITTER

Selecting a Monitor Using Direct-Access Monitor Selectors

Located conveniently on the front panel of the Splitter, direct-access monitor selectors allow for simple, manual monitor selection. Each button controls a monitor.

You can directly select which monitor you wish to access by pressing the corresponding direct-access monitor selector next to the appropriate port. The LED will be lit to indicate that the port is currently selected.

Resetting your Splitter

The reset button allows you to quickly and easily reset the Splitter. Simply push the button and all of your monitors are reset and activated.

FAQs

Q: How many Splitters can I daisy chain?

A: You can daisy chain up to four Splitters.

Q: How far can I connect my monitors from the Splitter?

A: You can connect your monitors 30 feet away from the Splitter without experiencing any degradation. Lower video resolutions are recommended for distances beyond 30 feet.

Q: Can I daisy-chain an F1DV104 with an F1DV108?

A: Yes, you can daisy-chain the F1DV104 with the F1DV108.

Note: Make sure the F1DV108 is the primary splitter when daisy-chaining.

Q: Does the Splitter support DVI adapters?

A: No, the Splitter does not support DVI-to-VGA adapters.

Q: Does it require a power supply?

A: Yes, the Splitter requires a 9V DC, 1.5A power supply.

TROUBLESHOOTING

VIDEO

I am getting a black screen on my monitor.

- Check that all video cables are inserted properly.
- Make sure the monitor is active on the Splitter.
- Make sure the monitor is powered on.
- Make sure the power supply is connected to the Splitter.
- Make sure the Splitter is powered on.
- Make sure the resolution on your video card is supported by your monitor.
- Connect the monitor directly to the computer to verify that your monitor is functioning properly.

I am getting ghosting, shadowing, or fuzzy images on my monitor.

- Check that all video cables are inserted properly.
- Check that the monitor you are using supports the resolution and refresh-rate setting on your computer.
- Make sure you are using high-resolution cables.
- Use a different video card.

INFORMATION

FCC Statement

DECLARATION OF CONFORMITY WITH FCC RULES FOR ELECTROMAGNETIC COMPATIBILITY

We, Belkin Corporation, of 501 West Walnut Street, Compton, CA 90220, declare under our sole responsibility that the products:

F1DV104
F1DV108

to which this declaration relates:

Comply with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CE Declaration of Conformity

We, Belkin Corporation, declare under our sole responsibility that the products F1DV104 and F1DV108, to which this declaration relates, are in conformity with Emissions Standard EN55022 and with Immunity Standard EN55024, LVP EN61000-3-2, and EN61000-3-3.

ICES

This Class B digital apparatus complies with Canadian ICES-003. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Belkin Corporation Limited Five-Year Product Warranty

Belkin Corporation warrants this product against defects in materials and workmanship for its warranty period. If a defect is discovered, Belkin will, at its option, repair or replace the product at no charge provided it is returned during the warranty period, with transportation charges prepaid, to the authorized Belkin dealer from whom you purchased the product. Proof of purchase may be required.

This warranty does not apply if the product has been damaged by accident, abuse, misuse, or misapplication; if the product has been modified without the written permission of Belkin; or if any Belkin serial number has been removed or defaced.

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