VGA Switch Splitter

pro-SIGNAL

Description

The VGA Switch Splitter routes high quality VGA video and stereo audio from any of four VGA and audio sources to any of four VGA displays and audio receivers. Four outputs give you the choices of sending audio and video signals up to four displays in any combinations. Any four to any four true matrix switching allows for maximum versatility for integrated systems. It eliminates the need to disconnect and reconnect sources to a display equipped with one input. It works with a wide variety of VGA sources such as computers, security cameras and DVRs.

Every source is accessible at all times by any display by selecting it with an IR remote, front panel buttons or through RS232 port.

Features

- Allows any VGA display with audio to view any source with audio at any time
- Allows any source with audio to be displayed on multiple displays with audio at the same time
- Each display's inputs can be switched with the IR remote control, front panel buttons or through RS232
- Supports highest video resolution 1920x1200,1080p at 60Hz.
- Supports highest video Amplifier Bandwidth to 500MHz

Specifications

Signal Inputs/Output	
Connector	VGA 15pin female X8, RS232 femalex1, Mini-stereo 3.5mm jack X9
Input video Signal	1.2 volts p-p
Operating Frequency	
Vertical Frequency Range	30-170 Hz
Video Amplifier Bandwidth	500MHz
Mechanical	
Size (L×W×H)	267mm×115mm×45mm
Weight (Net)	935g
Environmental	
Operating Temperature	0°C to +45°C
Operating Humidity	10% to 85% RH (no condensation)
Storage Temperature	-10°C to +80°C
Storage Humidity	5% to 90% RH (no condensation)
Power Requirement	
External Power Supply	5V DC @ 2A
Power Consumption(max)	5W

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

pro-SIGNAL

Page <1>   18/11/21   V1.0

VGA Switch Splitter

Warranty	
Limited Warranty	12 Months
Regulatory Approvals	
Converter Unit	FCC, CE, UL
Power Supply	UL, CE, FCC
Accessories Adapter	
AC Power Adapter	US standard, UK standard and so on
User Manual	English Version

Connection and Operation

1) Connect all source devices to the video and audio inputs on the VGA Switch Splitter
2) Connect the VGA displays and audio receivers to the outputs on the VGA   Switch Splitter.
3) Connect the 5VDC power supply to the VGA Switch Splitter.
4) Turn on the Power
Note:
1) Please make sure to cut off the power before insert IR Extender into the unit.
2) Please make sure to insert the plug of IR Extender into the unit completely.

Operation

1) Selecting source devices by buttons

Four buttons on the Switch Splitter are used to select source devices circularly for inputs A, B, C, and D. Once you press the button, it will select next available source device.

2) Selecting source devices by IR remote

a) Power button

The power button of the IR remote can control the power of the Switch Splitter. Pressing this button, the power-on unit will be turned off. If you press it again, the unit will be turned on.

b) Other buttons

Depending on outputs A, B, C, D, the other buttons of the IR remote can be divided into four groups. Each group has five buttons: 'off'— turn off its outputs. 1, 2, 3, 4 are used to select input port accordingly.

3) Selecting source devices by RS232

1. Introduction of RS232 remote operation:

   RS232 remote operation is mainly based on the "super terminal" of Windows operation system.
   Its parameter should be: ANSI 4800 8-N-1-non

2. Operation

   A. Connect the switch splitter to the COM of PC with a RS232 cable.
   B. Chose the right COM when you setting "super terminal" and then set the parameter as follow:
   Baud frequency: 4800
   Data bit: 8
   Parity bit: N
   Stop bit: 1
   Data stream: NON

C. Inputting your instruction. The instruction should be two or three letter, and finish with "Enter" button.
   Please input next instruction in three seconds or the"Overtime instruction" will appear.
   The input instruction should be right, or you will be rejected with the "wrong instruction"
   If the input or output that you chose is not connected to devices or not in power-on mode, "ineffective instruction" will inform you. If your instruction is performed, you can see the instruction of "successful operation".

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

pro-**SIGNAL**

Page <2>   18/11/21   V1.0

3. Instruction input method

A. Selecting source device

    Sequence number of output (A/B/C/D) + sequence number of the input (1/2/3/4) + "Enter"

    For example: If you want display B to view source 3, then you can input "B3 "and finish with "Enter".

B. Turning off an output

    C + Sequence number of the output that you want to turn off (A/B/C/D) + "Enter"

    For example: If you want to turn off output B, then you can input CB, and finish with "Enter".

C. Turning off the Switch Splitter:

    OFF + "Enter"

D. Turning on the Switch Splitter:

    ON + "Enter"

E. Inquiry:

    QS + "Enter"

This order enables you know which input and output are available and the connections of input and output.

Part Number Table

Description	Part Number
VGA + Audio 4×4 Matrix Switch Splitter	PSG03634

Newark.com/exclusive-brands
Farnell.com/exclusive-brands
Element14.com/exclusive-brands

pro-**SIGNAL**

Page <3>   18/11/21   V1.0