

Hall Research VSM-802B VSM-802B 8 X 2 VGA Matrix Switch

VSM-802 is an 8 in X 2 out VGA Matrix Switch and includes two Serial Control Keypads. The VSM-802 Compensates for long cable runs to over 300 feet. It features an optional "Dual Head" Display Switching Mode.

Features

- With its large bandwidth it can handle even very high resolutions and refresh rates, up to 1600 x 1280 pixels at up to 85 Hz
- Includes two serial keypads, so it's ready to go right out of the box
- Because it has a universal power supply, you can plug it in almost anywhere if you have the right input cord
- Small and light enough to take almost anywhere
- Designed to carry VGA/XGA video, but it can handle separate horizontal and vertical sync, composite sync, and sync on green (with proper cables and adapters)
- All input and output signals are buffered for the sharpest possible images
- Can drive video signals to over 300 ft(100 m) end-to-end, so it is ideal for use in auditoriums, conference halls, and similar spaces
- The front-panel LEDs show you right away which video inputs are going to which outputs
- RS-232 ports allow control from included keypads or other serial device (using simple ASCII strings)
- Designed and manufactured in the USA
- CE and FCC tested and certified

Specifications

- Standards: VGA, SVGA, XGA, or XGA-2 video
- Interfaces: Video: VGA;
Keypads: EIA/TIA RS-232 Serial
- Compliance: CE (meets requirements); FCC Part 15 Subpart B Class A (meets specs)
- Supported Video Types: RGBHV (VGA, SVGA, XGA, or XGA-2), RGBS, or RGsB ("sync on green")
- Resolution and Refresh Rate: Up to 1600 x 1280 non-interlaced at up to 85 Hz
- Bandwidth: DC to 265 MHz
- Video Level: 0.7 volts peak-to-peak
- Video Gain: 1-to-1 (buffered); for distances over 100 ft. (30 m), can be set to proportionally apply higher gain to higher signal frequencies to compensate for losses in cable
- Maximum Distance: Up to 300 ft. (90 m) of total cable length from any attached CPU or other input device to any attached monitor or other output device
- User Controls: (2) 10-button switching keypads, (1) for each output; (2) Rear-mounted 8-position DIP switches—(1) for each output port—or distance compensation
- Indicators: (16) Rear-mounted LEDs, (2) for each video-source port; (10) LEDs on each keypad
- Connectors: Front-mounted: (8) HD15 female for video input;
Rear-mounted:
(2) HD15 female for video output
(2) DB9 female for keypad input,
(1) 5-pin DIN female power inlet
- Enclosure: Steel
- Power: From utility-power (mains) outlet, through included detachable output cord and external universal power supply:

Input: 100 to 240 VAC at 50 to 60 Hz (autosensing);

Output: +5 VDC at 1 A, +12 VDC at 0.5 A, and -12 VDC at 0.5 A;

Consumption: 5 VA (5 watts) maximum

- Size: 1.5"H x 12.1"W x 4.1"D (3.9 x 30.8 x 10.4 cm); mounting ears protrude an additional 0.9" (2.2 cm) wide on each side
- Weight: Net: Switch itself: 2.3 lb. (1 kg); Keypads: 1 lb. (0.5 kg) each; Power supply: 1.3 lb. (0.6 kg); Shipping: 6.7 lb. (3 kg)