



USBDR-8 Multi-channel USB and Power Distribution Backplane with 19" rack or DIN Rail Mountable Options for the USBPxx-S1 family

- Power worldwide with universal AC adapter
- DC power from 12V to 50V source
- Install from 1 up to 8 channels per USBDR-8
- Daisy chain USBDR-8 to control up to 112 channels using just one USB port.
- USB 2.0 compatible communication
- Synchronize all USBPxx-S1 operation in tracking or dynamic control applications
- Operate on table top, wall mount, rack mount or DIN rail mount
- Optional DIN rail connection kit for mounting the USBDR-8 to DIN rail available
- Optional 19" aluminum rack mount plate available

Control multiple USBPxx-S1 devices with one USB link to the host system

Up to eight (8) USBPxx-S1 programmable instrumentation amplifiers and filter modules can be plugged into a USBDR-8. Up to 96 USBPxx-S1 modules can be controlled on a single USB link to the host PC. Each USBDR-8 has an up-link USB port and a down-link USB port. Up to 12 fully or partially populated USBDR-8 can be daisy chained by connecting the first USBDR-8 up-link port to the host and then the down-link port to the next USBDR-8 up-link port in the chain. The SystemViewUSB Windows software will detect and display an individual control dialog for each USBPxx-S1 module when the USB chain becomes active.

Once the USBPxx-S1 modules have been configured, the USB links can be disconnected. The USBPxx-S1 modules can operate independently and will remember their settings through power cycles. In environments requiring turn-key system operation, this eliminates the need to provide any USB connections to USBDR-8.

Power is the only required connection to USBDR-8 for turn-key system operation.



Shown USBPxx-S1 units are sold separately



Power anywhere in the world

The universal AC adapter will convert a 100V to 250V, 50Hz or 60Hz power source to DC power the USBDR-8 where AC power is available. Where AC power is not available, the USBDR-8 can be powered from a DC source as small as 12V up to 50V. This makes the USBDR-8 ideal for powering the USBPxx-S1 modules from a land or water vehicle, multi cell battery source, or solar cell array. A minimum of 1.5A at 24V is required to operate a fully populated USBDR-8.

Mounting Options

Mounting holes are located at both ends of the USBDR-8 enclosure and can be used to secure the USBDR-8 to a table top, a wall, or an aluminum equipment rack panel. Optional DIN rail mounting brackets are available to secure the USBDR-8 to a variety of DIN rail types.



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Physical

Number of channels..... 1 to 8
Size..... 338mm(13.3")x126mm(4.95")
Power requirement..... 4A at +12VDC
..... 2A at +24VDC
..... 1A at +48VDC
Operating temperature..... 0°C to 70°C

Mounting

USBDR-8/DRM DIN Rail Mount kit
USBDR-8/RMK 19" Rack Mount kit

Connectors

USBDR-8/STA Screw terminal adapter kit(one 2-lead
STA and two 8-lead STA)

Power Adapter

P24V2A Universal to 12V DC 2A
MMC-NA Power Cord Plug North America
MMC-EU Power Cord Plug Europe
MMC-AU Power Cord Plug Australia



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