



Zio®

Zio S2000 Series Encoder
Zio D2000 Series Decoder/Multiviewer



Quick Start Guide



This Quick Start Guide describes the *Zio* installation process. The following topics are discussed:

- [Package Contents](#)
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- [Connections to *Zio*](#)
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Package Contents

- One or more of the following:
 - *Zio* S2000 Series Encoder, with 12V/2.5A DC power supply and mounting hardware
 - *Zio* D2000 Series Decoder/Multiviewer, with 12V/2.5A DC power supply and mounting hardware

Optional Accessories

RGB Spectrum offers the following, optional *Zio* accessories:

- 10-Position Rack-Mount Enclosure
- Rack-mount Power Distribution Unit (Model PDU400-12), to provide 12VDC power to multiple *Zio* devices from a single AC power source

Installation Considerations

Ventilation

Ensure that the vents on either side of the device are not blocked.

Provide a minimum of 1.5 inches (38 mm) of free air space around the chassis.

Mounting

RGB Spectrum offers an optional mounting cage that allows multiple *Zio* devices to be installed in a standard, 19-inch equipment rack. [Contact RGB Spectrum](#) for more information.



Ambient Heat

Keep the ambient temperature constant and below 35 °C (95 °F). Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Important

Do not stack multiple Zio devices on top of one another. Use the optional mounting cage.

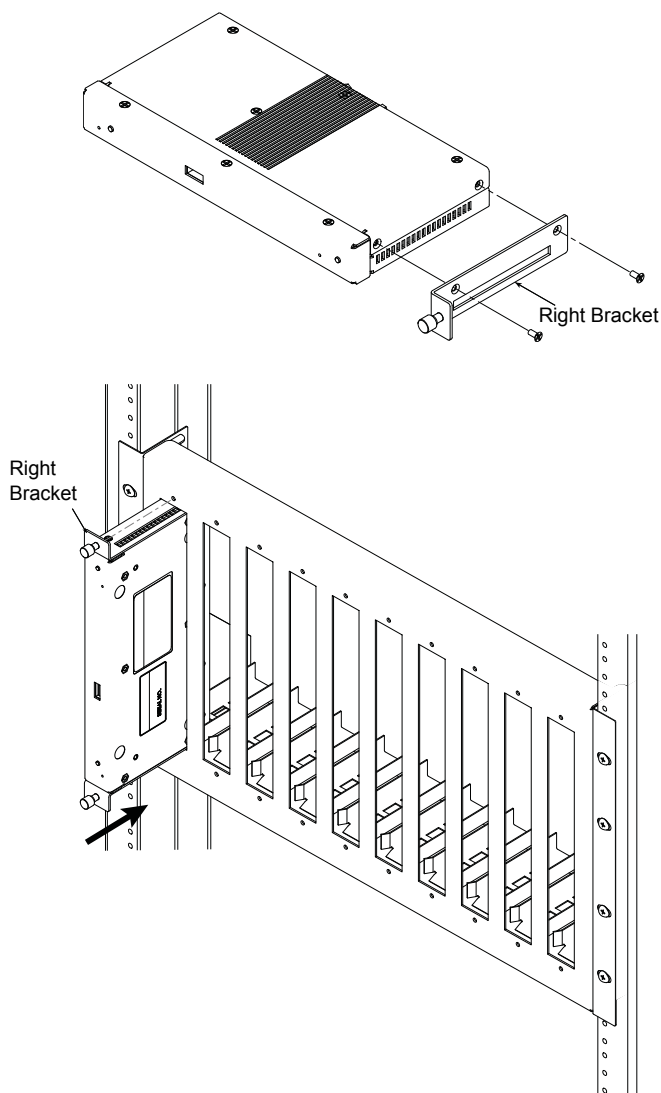
Cables and Connections

- Turn off all equipment before making any connections.
- For best performance and to minimize cable clutter, use Category 2 (High-Speed) HDMI cables that are only as long as necessary to connect two devices.

Do not exceed the maximum recommended cable length of 9 feet (2.74 meters).

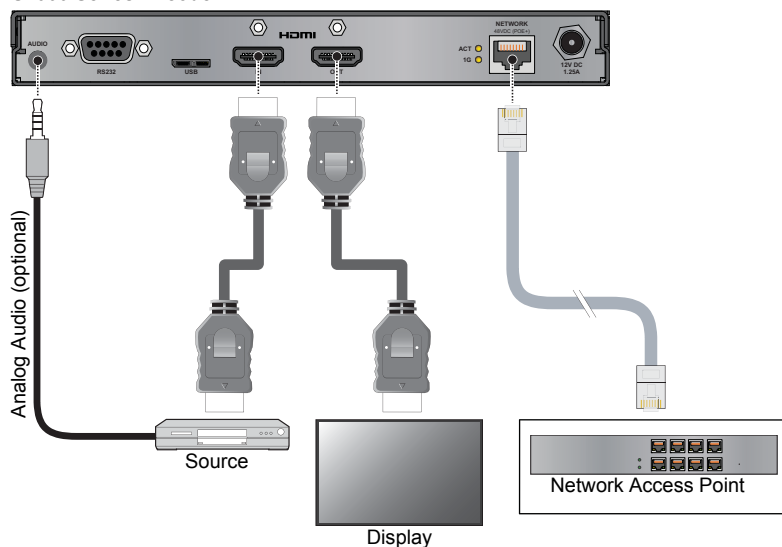
- For network connections:
 - ◆ At a minimum, use high-quality, Cat 5e or Cat 6 cables. **If you plan to use Power over Ethernet (PoE+), you must use Cat 6a Screened Shielded Twisted Pair (SSTP) cable.**
 - ◆ Do not use crossover cables.
 - ◆ Ensure that the cables are properly terminated and free of damage.
- Ensure that the cables are securely connected.

Rack-Mounting Zio

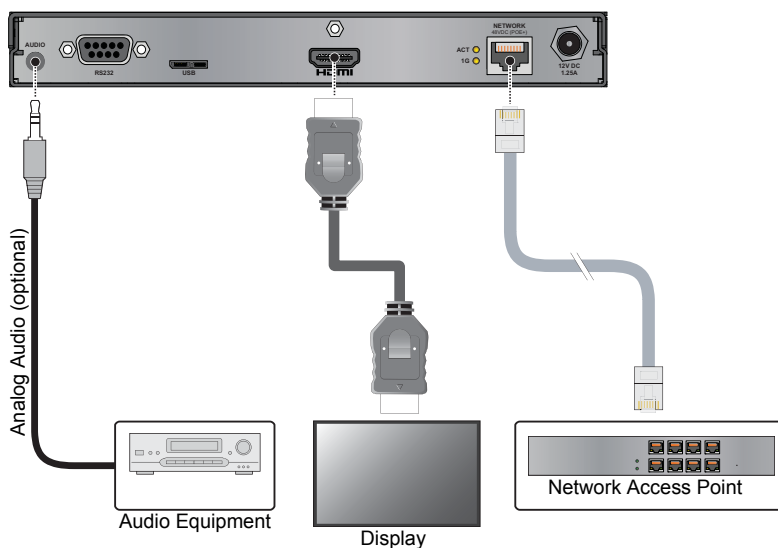


Connections to Zio

S2000 Series Encoder



D2000 Series Decoder/Multiviewer





VIDEO

Connect your source device to the **HDMI IN** jack on the Zio S2000 Series Encoder, using a High-speed HDMI cable.

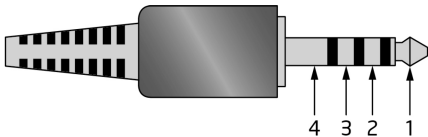
Optionally, connect a display device to the **HDMI OUT** jack on the Zio S2000 Series Encoder to monitor the incoming video signal.

Connect your display device to the **HDMI OUT** jack on the Zio D2000 Series Decoder, using a High-speed HDMI cable.

ANALOG AUDIO (OPTIONAL)

Table 1 provides pinout information for the Encoder Audio In and Decoder Audio Out connectors.

Table 1 Audio Connector Pinouts

Pin Number	Pin Name	Description
		
1	Tip	Decoder Audio Out (Left)
2	Ring	Decoder Audio Out (Right)
3	Ring	Common/Ground
4	Sleeve	Encoder Audio In (mono)

Connecting Power

Tip

Turn on your source devices and displays before connecting the Zio endpoint devices to power.

Zio endpoint devices can receive power from either an external, 12V/2.5A power supply, or Power over Ethernet (PoE+, if present) from a PoE+ network switch or stand-alone PoE+ injector.

- **If the device does not receive PoE+:** Connect the **DC 12V** power input on the device to an AC power source, using the supplied AD-to-DC power adapter or PDU400-12 Power Distribution Unit; or
- **If the device receives PoE+:** You need not connect anything to this port. However, if a local power source is available, you can



connect the device to it to provide a backup power source should PoE+ become unavailable. This will not damage the device.

Note

PoE+ is the default power source.

If PoE+ becomes unavailable, the Zio endpoint device will switch to local DC power and reboot. When PoE+ becomes available again, the device will switch back to PoE+ seamlessly (without a reboot).

After a brief power-up sequence, the front-panel **POWER LED** lights solid **green** to indicate that the device is receiving power. On the rear panel, the **ACT and 1G LEDs** flash or light solid **amber** to indicate network activity and link status.

Your Zio endpoint devices are now operational.

Using Zio Coordinator

To begin using the Zio Coordinator, open a web browser window. Then, enter the following URL into the address bar:

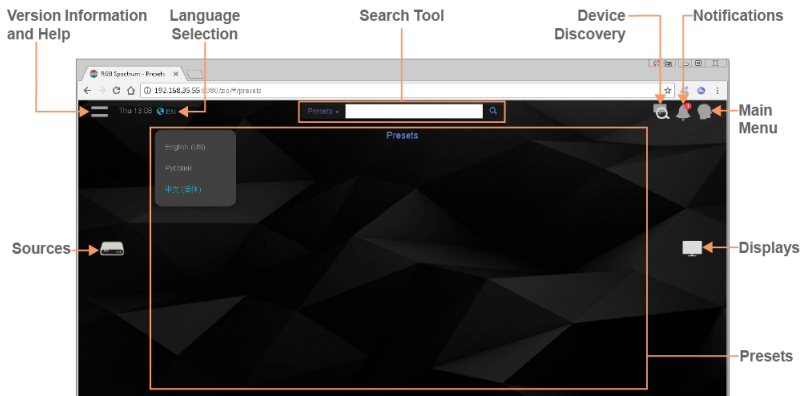
`<nnn.nnn.nnn.nnn>:8080/zio`

where `<nnn.nnn.nnn.nnn>` is the IP address of a Zio device.

Example

If the device IP address is 192.168.1.200, enter:

`192.168.1.200:8080/zio`



IMPORTANT: Ensure That Your Device Firmware Is Up-To-Date

From time to time, RGB Spectrum will release new *Zio* device firmware to add features or make performance improvements. The *Zio* Coordinator provides a convenient way to install new firmware for your *Zio* devices.

To get the most out of your *Zio* product, RGB Spectrum strongly recommends that you upgrade your device firmware when new firmware is available.

To check for *Zio* device firmware updates, visit the **Partner Portal** section of our web site (<http://www.rgb.com/partner-portal/>). (Registration and log-in are required.) Then, select **Product Firmware**.

Alternatively, if you have a mobile device with a QR code reader application installed, you can scan this QR code image:



RGB Spectrum, Inc.

950 Marina Village Parkway, Alameda, CA 94501
Phone: +1-510-814-7000 Fax: +1-510-814-7026

www.rgb.com

Technical Support: tech@rgb.com