

# nENERGY<sup>®</sup>

**PRE-AMP FOR 200R SIREN  
PART NUMBER: ENGPA02021**

Tech Specs	nENERGY Control System PA Pre-Amplifier
<b>Input Voltage:</b>	10-16Vdc (Negative Ground)
<b>Connectors:</b>	1x 3 Pin Microphone (Ground, PTT Input, Audio in)
	1x 4 Pin Audio (Ground, +V, Audio Out, PTT Output)
	1x 8 Pin RJ45 CTRL PNL (Ground, +V, Audio In, Data)
	1x 8 Pin RJ45 CENTRAL (Ground, +V, Data)
<b>Protection:</b>	Reverse Polarity
	Short Circuit
	Over Current
	Transient
<b>Operating Temp:</b>	-40°C to +65°C
<b>Dimensions:</b>	3.5" x 3.5" x .8"
<b>Audio Frequency:</b>	200Hz-10Khz
<b>Standby Current:</b>	<5 mA
<b>The PA pre-amplifier is not waterproof. Install in a protected location away from excessive heat and moisture.</b>	

## ⚠ WARNING

- HIGH CURRENT interconnects must be properly terminated. Poor crimp quality can cause heat build-up and fire. Follow crimp connector manufacturer instructions.
- DO NOT install this product or route any wires in the Air Bag Deployment Zone. Refer to vehicle Owner's Manual for deployment zones.
- Do NOT use system to disconnect headlights, brake lights or other safety equipment.
- Unit may become hot to touch during normal operation.
- Failure to properly install connectors, fuses or wiring may cause vehicle failure or fire.
- Installation must only be performed by trained technician. Installer must determine vehicle wiring configuration and proper integration of system.
- Use proper wire gauge. All power wires connecting to positive (+) or negative (-) battery terminal or local chassis ground (-) must be sized to supply at least 125% of max. current and properly fused at power source.
- Install protective grommets when routing wire through firewall or metal.



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**NOTICE:**  
Installers and users must comply with all applicable federal, state and local laws regarding use and installation of warning devices.

*Improper use or installation may void warranty coverage. To review our Limited Warranty Statement & Return Policy for this or any SoundOff Signal product, visit our website at [www.soundoffsignal.com/sales-support](http://www.soundoffsignal.com/sales-support). If you have questions regarding this product, contact **Technical Services**, Monday - Friday, 8 a.m. to 5 p.m. at **1.800.338.7337** (press #4 to skip the automated message). Questions or comments that do not require immediate attention may be emailed to [techservices@soundoffsignal.com](mailto:techservices@soundoffsignal.com).*

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## OPERATION:

**Adjusting PA Volume Level:** Refer to installation instructions for controller to adjust volume.

The potentiometer located on the PA amplifier is only used to adjust the volume for the standalone operation when not used with the Blueprint system.



- Package Contents:
- 1 PA Pre-Amplifier
  - 1 Microphone w/Mounting Clip & Hardware
  - 1 12" RJ-45 Harness

## INSTALLATION:

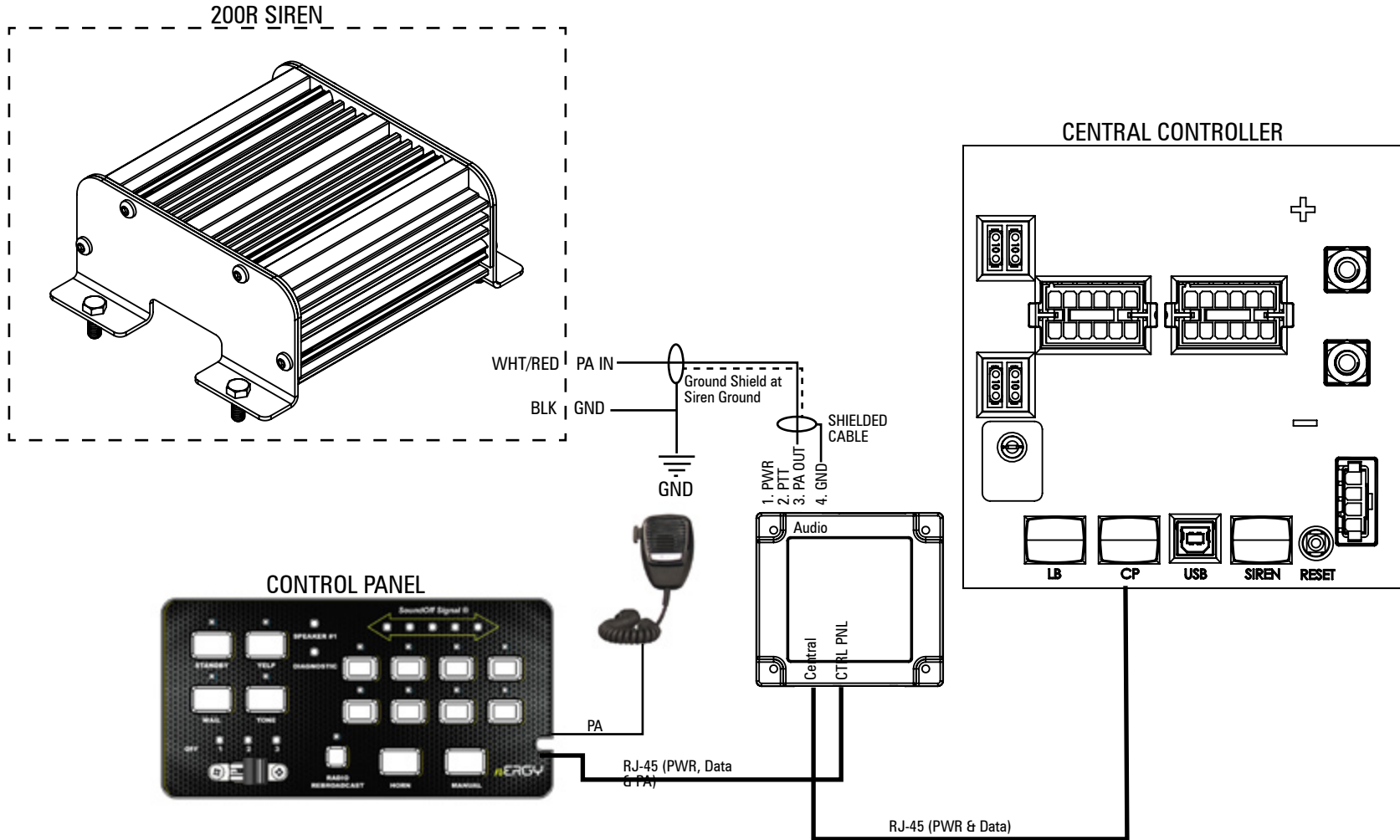
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### Wiring:

- 1. Ground:** Connect Pin 4 of Audio connector to reliable ground
- 2. PA Out:** Connect Pin 3 of Audio connector to White/Red wire of 200R Siren Amplifier
- 3. Control Panel:** Connect Supplied RJ-45 harness from Remote Control Panel to Control Panel input on PA pre-amplifier
- 4. Blueprint:** Connect RJ-45 harness from Blueprint controller to PA pre-amplifier
- 5. Microphone:**  
**Console Remote** - Plug into back of control panel  
**Handheld Remote** - Not required. Microphone is built into controller

### Configuration:

- A. DIP Switch #1:** OFF Position
- B. DIP Switch #2:** ON Position



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