Howler Monkey PRO
by NotaBotYet

Studio Headphone Amplifier
Part # N20-HP10-0

Welcome to the World of the Howler Monkey PRO.

Thank you for choosing the Howler Monkey PRO by NotaBotYet. We believe it's one of the loudest and cleanest studio headphone amplifiers available—hence the name. The howler monkey is among the ten loudest animals on Earth, with calls that can be heard clearly from nearly three miles away!

Overview:

The Howler Monkey PRO is engineered to deliver precise, reliable amplification of audio sources to virtually any pair of headphones. It features +4 dBu balanced stereo line inputs via an RJ-45 connector, all housed in a rugged, compact 12-gauge aluminum chassis. The Howler Monkey PRO is built from the ground up for professional environments.

What is with this Monkey?

We didn't "monkey around" with this design.

Many headphone amps on the market are optimized for high-end, high-impedance headphones (200–600 ohms). But in our lab tests, we found that these amps often underperform with the low-impedance headphones commonly used in broadcast studios. At moderate listening levels, they couldn't supply enough current, resulting in severe distortion. Others had the opposite issue—unable to deliver enough voltage for high-impedance headphones.

The Howler Monkey PRO was built to handle a wide range of headphone impedances with ease. Every component was carefully selected to deliver exceptional audio quality without driving up the cost. (Sure, we could've gone overboard with laser-trimmed, hand-matched, gold-plated germanium FETs—but we didn't.)

Instead, we focused on what matters: clean, powerful, and versatile amplification that makes your headphones sound their best.

SPL Warning:

⚠ This amplifier is capable of producing extremely high sound pressure levels. Prolonged exposure to loud audio can cause permanent hearing damage.

This is a professional-grade product intended for use in controlled environments. NotaBotYet, LLC is not responsible for misuse that results in hearing loss or damage to underpowered headphones.

By using this product, you agree to hold the manufacturer, its employees, and executives harmless from any claims, damages, or liabilities arising from its use.

Please listen responsibly.

Instructions for Use:

1. Physically place the Howler Monkey in its desired location. If you are mounting using the Riser (supplied separately) or some other ¼-20 mounting solution, make sure you do so securely.

2. Connect the power supply to the unit by plugging it into the +12V connector on the rear. Plug the power supply into a nearby AC outlet. The PWR LED on the front of the unit should illuminate as soon as power is applied.

3. Connect an analog stereo signal source. This can be accomplished using either the dual ¼" TRS conenctors on the REAR of the unit, or to the AUDIO IN RJ-45 connector.

4. Turn the volume level on the front of the unit completely counter-clockwise.
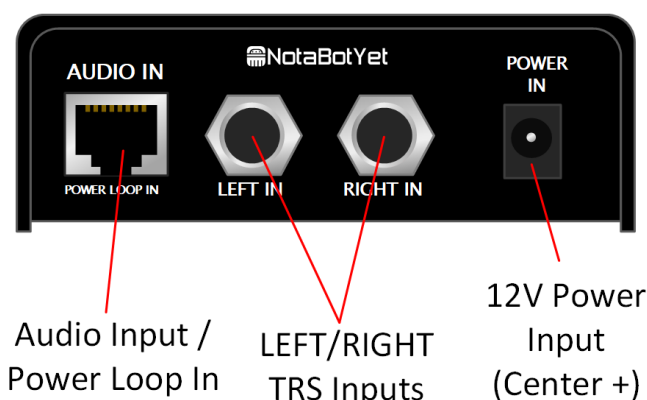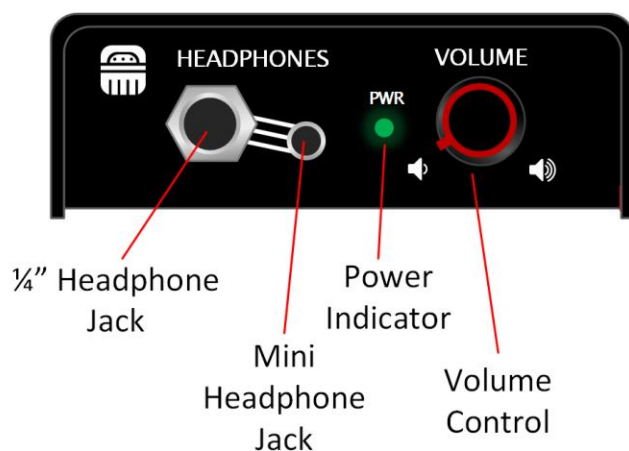
5. Plug headphones into either the ¼" headphone jack or the mini headphone jack on the front of the unit.

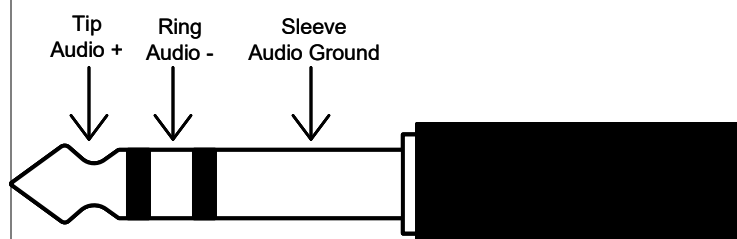6. Use the volume control to adjust level to a desired listening level.

7. If no audio is present, check to make sure audio is present on the input source, making sure the input is feeding the correct input jack on the rear of the unit. Also, check the power LED to make sure the unit has power.

8. If audio is present, enjoy listening via the Howler Monkey PRO.
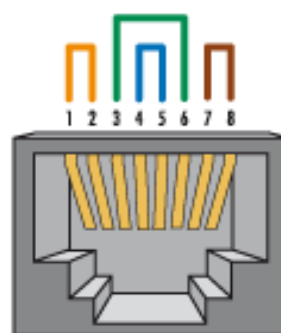
Product Diagrams:

¼" Headphone Jack

Mini Headphone Jack

Power Indicator

Volume Control

Audio Input / Power Loop In

LEFT/RIGHT TRS Inputs

12V Power Input (Center +)

¼" Input Jack Wiring

Tip
Audio +

Ring
Audio -

Sleeve
Audio Ground

RJ-45 Jack Wiring

RJ45 Audio:
Pin 1: Left Positie +
Pin 2: Left Negative -
Pin 3: Right Positive +
Pin 4: Audio Ground
Pin 5: Audio Ground
Pin 6: right Negative -
Pin 7: N/C
Pin 8: +12V Input
Shield: Audio Groud

Technical Specifications:

Inputs:

- Input: +4 Balanced Stereo Line Input on Discrete ¼" TRS Jacks or on RJ-45 connector following industry standard pinouts.
- Maximum Input Level: +22dBu
- Common Mode Rejection Ratio: 90dB typical

Outputs:

- Output Power: Measured at 700mW into 33ohms @1KHz
- Output Impedance: 10ohms (output protection resistor in series with output)
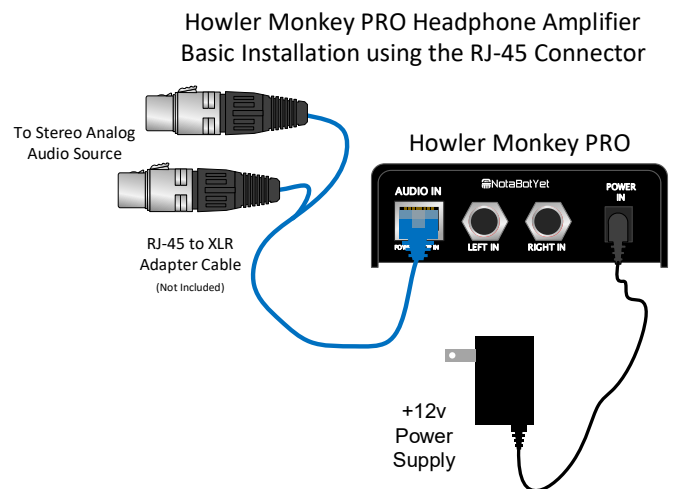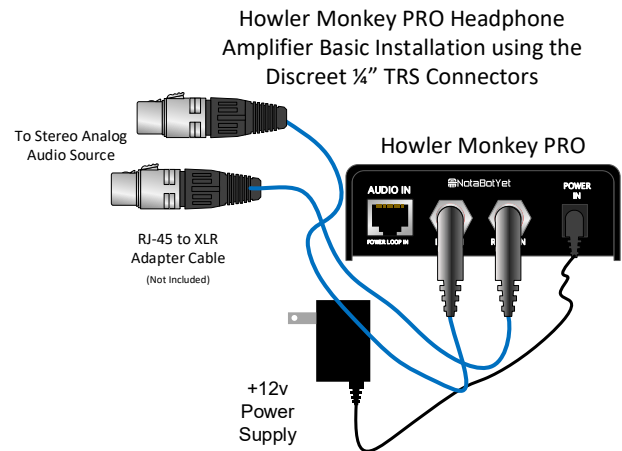- Frequency Response: ±.5dB 20Hz to 20KHz

Power Supply Requirements:

- +12V @ 200mA
- Inputia 5.5x2.1mm DC Barrel Connetor

Physical:

- Dimensions (H x W x D): approx. 1.4 x 3.75 x 4.75" (35.5 x 95.25 x 122mm)
- Weight: approx. 8.5oz (.25kg) main unit, 14oz (.4kg) packaged with power supply.

Installation Examples:

Howler Monkey PRO Headphone Amplifier Basic Installation using the Discreet ¼" TRS Connectors

Howler Monkey PRO Headphone Amplifier Basic Installation using the RJ-45 Connector

Howler Monkey PRO Headphone Amplifier Installation using Power Injector (NotaBotYet Part Number N22-PWR-1)

Up to 4 Howler Monkey PROs can be powered by one Power Injector.