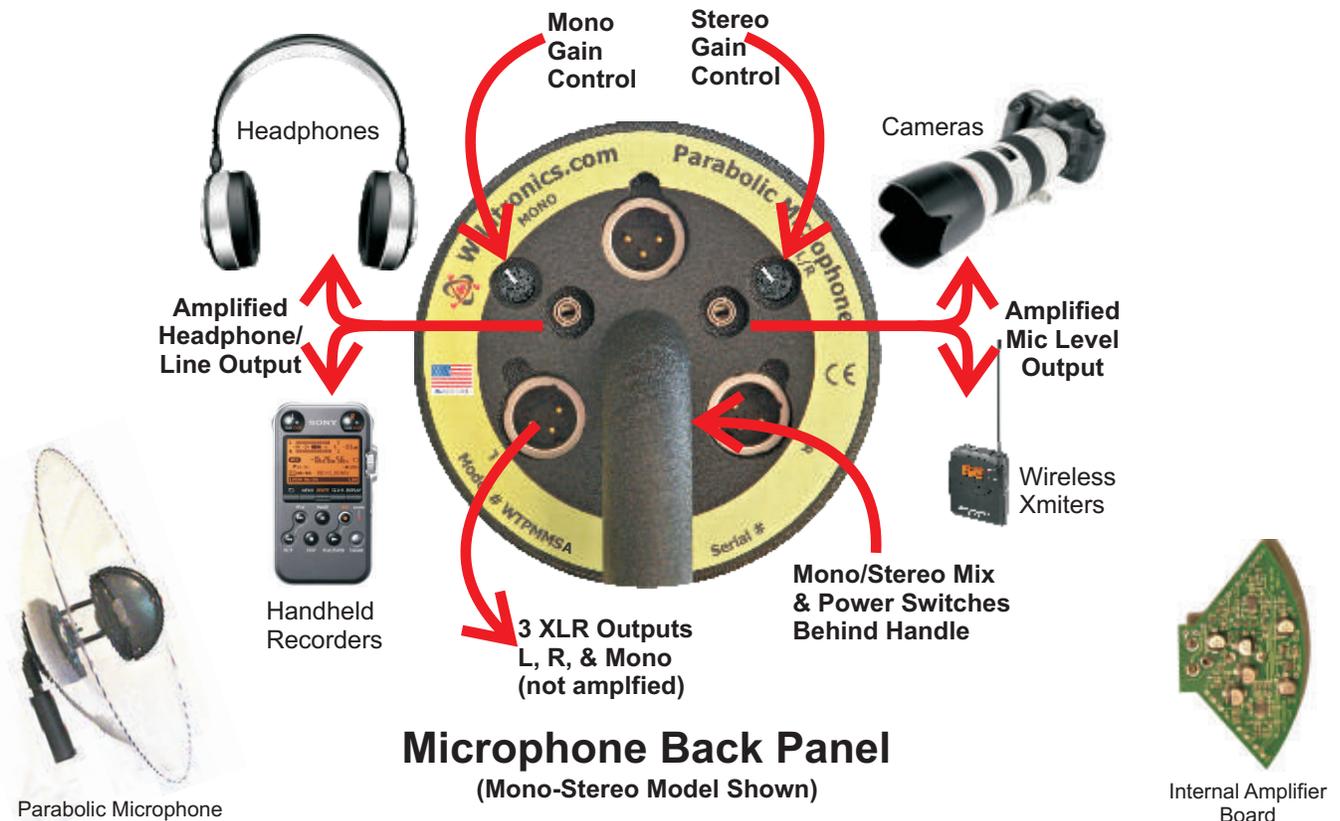




Wildtronics Amplified Parabolic Microphones

The amplified models add the following features to our standard parabolic microphone models:

- Low Noise Electronic Microphone Preamplifier
- Step-less Analog Gain Control
- Provides Quick Easy Plug-in Headphone Use
- Line Level Output for Low Cost Recorders
- Amplified Mic Level Output for DSLR, Camcorder, or Wireless transmitter
- Balanced XLR Microphone Outputs are Maintained
- Built in Audio Mixer for the Mono-Stereo Model



For the first time, a high performance, low noise microphone preamplifier has been integrated directly into a professional parabolic microphone. The Amplified Mono and Amplified Mono-Stereo Models both include this amplifier. This innovative approach will simplify and improve the way sounds are recorded at a lower overall cost. Applications include nature recording, sports broadcasting, videography, surveillance, or just to enjoy hearing like you never could before.

**Amplified models improve your performance and portability,
and expand your capabilities at a lower cost.**



As a low noise, professional microphone preamplifier, this electronic amplifier will add no audible noise to the already exceptionally low noise Wildtronics Parabolic Microphones. Up to 64dB of step-less gain is available, providing full line level output from even low level sounds with our high level output microphones. Using the 3.5mm line level output with low cost, hand-held recorders will dramatically improve the recorder's signal to noise ratio, often resulting in performance comparable to that of recorders costing over \$1000. The main weakness of low cost recorders is high microphone input noise. Using our low noise amplifier and selecting line input, on your recorder, eliminates this weakness. Therefore, you can reduce your total equipment budget, and make your equipment much more portable as well. All balanced XLR microphone outputs are maintained, and are not affected by the amplifier, for those who have high quality XLR compatible equipment.

Directly plug in your 3.5mm headphones, without any other equipment, to improve hearing for enjoying wildlife, surveillance, or research. The headphone output will provide up to 35milliwatts and has half the noise of many professional headphone amplifiers. While you are using headphones, you can also output an amplified mic level signal (3.5mm) to a DSLR or video camera to obtain quality audio for your wildlife or other video projects. You can also use the line level or XLR outputs for your recorder, while the mic level output drives your camera to further extend your audio quality and synchronization. For sports broadcasting, you can use the headphone output while still providing a mic level signal to the wireless transmitter. Plus, we can customize, for sports broadcasting, to meet your specific needs of inputs and outputs, such as including a monitor input to the headphones.

The Amplified Mono-Stereo Parabolic Microphone model contains two amplifiers, providing all the above features, plus adding audio mixing capability. Mixing allows you to combine the mono and stereo signals in any proportion into one stereo output. A switch is included to quickly disable the stereo signal for mono only use, without disturbing the gain. This integrated mixing capability saves you the expense and bulk of external mixers or multi-channel recorders in many applications. Only the Wildtronics Amplified Mono-Stereo Parabolic Microphone offers separate mono and stereo channels with mixing capabilities. You can highlight the focused mono subject with little background stereo, have full wide-field stereo with no focused mono, or anything in between. This low cost, super portable system gives you complete audio control, opening many new opportunities.

The Wildtronics electronic amplifiers inside the amplified models are low cost, elegantly integrated into the parabolic microphone assembly, and add almost no weight. The amplifiers also have excellent RF immunity, and use the latest low noise components. They are powered from the internal 9-Volt battery, and use commonly available cables for connection to your equipment.

Amplifier Specifications:

Gain:

Mono – Line/Headphone output = 3-55dB (less due to dish gain)

Stereo – Line/Headphone output = 12-64dB

Microphone output: (-)40dB referenced to line output

Headphone Output Power: 35mW with 32 ohm headphones

Output Connectors:

Line/Headphone output: 3.5mm stereo

Microphone output: 3.5mm stereo

9V Alkaline Battery Life:

<u>Model</u>	<u>With Headphone Use</u>	<u>Without Headphone Use</u>
Mono Mic	20 Hour	40 Hour
Mono-Stereo Mic	20 Hour	30 Hour

EIN: -126dBA @ max gain

Output Signal to Noise Ratio:

115dBA @ Min. Gain – Mono

105dBA @ Min. Gain – Stereo

Frequency Response:

Line/Microphone output: 20-30KHz

32 Ohm Headphone: 75-30KHz

Power: 6.0-11 Volts

3.5mm rugged outputs are safe from accidental phantom power application. Line level reference is 0.775Vrms



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