



Wildtronics Parabolic Microphone



Engineered for Professional Results, and Affordable

Perfect for sound reinforcement and nature recording/documenting

The amplified model has headphone and line outputs, and an amplified microphone output. See website for more specific information.



Wildtronics Parabolic Microphone

The Wildtronics Parabolic Microphone is engineered to be the most advanced and best performing parabolic microphone on the market. The microphone was developed by Bruce Rutkoski, who has professionally recorded nature sounds for over a dozen years, originated new recording techniques, and has designed many specialized recording devices. This microphone offers the professional a vastly improved parabolic microphone, with multiple connectivity without special cables, an integral tripod mount, accessory mounting provisions, and costs a fraction of competing microphones. The new, original design combines multiple techniques to increase audio gain, broaden the frequency response, reduce mic self-noise, improve isolation of the subject, and minimize handling noise. Use this parabolic microphone for sound reinforcement on football and baseball fields, recording birds and nature sounds, wildlife research, law enforcement, paranormal investigation, or anytime sounds need to be amplified and isolated beyond the performance of other microphones.

The large, 22-inch, parabolic dish is optimally sized to balance portability and low frequency response. The dish is clear so you may accurately sight your target. Parabolic curves can be calculated to select the depth and focal point. The Wildtronics' parabolic shape was optimized for a focal point to match the microphone's polar response, shield undesired sound pickup, and offer a compact package. The paraboloid was then accurately CNC machined to create a master mold. This accuracy is necessary for precision focus at higher frequencies. The microphone assembly is easily removed and reinstalled without altering its precisely located, factory set focal point. The molded plastic dish is 0.080-inch thick for best all around durability, critical shape retention, and some bending to fit into larger airline luggage.

Integral booster discs are designed into the microphone assembly to increase the audio gain, boost low frequency response to that of a 30-inch parabolic dish, and help isolate the sound pickup to only the focused target and avoid other stray sounds. This amazing booster disc technology further sets the Wildtronics Parabolic Microphone apart from all others.

Not just one, but an array of low noise microphone elements are used at the focal point of the parabola. Array technology not only increases the audio gain, but reduces self noise to that of the lowest noise microphones on the market. Combined with the parabolic dish and booster discs, the signal to noise ratio is far higher than any other microphone. A military grade foam windscreen is built-in.

There are no special or custom cables needed to connect the Wildtronics Parabolic Microphone to your amplifiers or recorders. Both standard, balanced XLR and 3.5mm connectors are conveniently located on the back panel. You can use 11-53 volt phantom power or the internal 9-volt battery. 9-volt battery life is about 150 hours, so you can save battery life in your other equipment by turning off its phantom power.

The entire microphone assembly is engineered to reduce the effects of handling noise and inadvertent bumps. A special foam suspension system helps isolate the microphone assembly from handling noise. In addition, the comfortable, foam handle grip was carefully selected with a texture that minimizes noise from hand movements.

The lightweight aluminum alloy parts are powder coated for durability. A black, low reflectivity finish is used throughout to increase stealth. A 1/4-20 thread, in the bottom of the solid high strength handle, allows easy attachment to a tripod. An optional Accessory Bar Kit is available that allows versatile mounting of additional equipment. With the Accessory Bar Kit, you can mount cameras, tripods, recorders, preamps, wireless transmitters, and install the included dual handles that give improved comfort and superb balance.

The Wildtronics Parabolic Microphone is also available with an additional stereo microphone, the Wildtronics Stereo Parabolic Microphone model. The stereo model allows you to capture a stereo background field at the same time as the center, dish focused sound. You can record all three channels at once, or using a three channel mixer, control the left, right, center blend for stereo recorders. With M/S encoding techniques, the stereo/mono blend can be changed during post editing.

Specifications:

Polar Pattern: Super Hyper Cardioid	Equivalent Self-noise Mono: -18dBA @ 3kHz
Frequency Response Mono: 200-20kHz	Equivalent Self-noise Mono: -26dBA @ 10kHz
Sensitivity Mono XLR: -4dB (630mV) / Pascal @1kHz	S/N Ratio Mono: 102dB @ 1kHz
Sensitivity Mono XLR: +6dB (2V) / Pascal @3kHz	Impedance Mono XLR: 1k Ohm
Sensitivity Mono XLR: +14dB (5V) / Pascal @10kHz	Impedance Mono 3.5mm: 500 Ohm
Sensitivity Mono 3.5mm: -10dB (315mV) / Pascal @1kHz	Phantom Power: 11-53 Volt, 8mA/channel (48V)
Sensitivity Mono 3.5mm: 0dB (1V) / Pascal @3kHz	Battery Type: 9 Volt (Alkaline, NiMH)
Sensitivity Mono 3.5mm: +8dB (2.5V) / Pascal @10kHz	Battery Life (Alkaline): 150 hours
Max input sound level Mono: +100dB @ 1kHz	Dimensions: 22.5-inch x 22.5-inch x 8-inch
Max input sound level Mono: +90dB @ 3kHz	Weight Mono Model: 2lbs 13oz
Max input sound level Mono: +80dB @ 10kHz	Maximum Storage Temperature*: 160/71° F/C
Equivalent Self-noise Mono: -8dBA @ 1kHz	* See manual for detailed storage requirements

Connector Wiring:

XLR: pin 1= ground, pin 2 = signal (+), pin 3 = signal (-)
3.5mm: barrel = ground, tip = signal, ring = signal

Made in the USA, RoHS lead free, with CE conformity.



Wildtronics, LLC • PO Box 376 • Newton Falls, OH 44444 • USA
Phone: +1 (330) 577-8814 • Website: www.wildtronics.com