



Wildtronics

Mono-Stereo Parabolic Microphone



Engineered for Professional Results, and Affordable

Perfect for sound reinforcement and nature recording/documenting

The amplified model has headphone and line outputs, an amplified microphone output, and a mixer that allows you to combine the mono and stereo signals in any proportion into one stereo output. See website for more specific information.



Wildtronics Mono-Stereo 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 Wildtronics Stereo Parabolic Microphone includes all the features of the mono parabolic microphone, plus two additional microphones configured to capture a stereo background field at the same time as the center, dish focused sound. This is a fantastic way to zoom in on a distant subject, without missing nearby stereo sounds. 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. This is the first M/S capable, combined mono/stereo parabolic microphone for sale.

There are no special or custom cables needed to connect the Wildtronics Stereo 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 100 hours, using all three outputs at once, so you can save battery life in your other equipment by turning off its phantom power.

The stereo microphones use two-dimensional audio booster discs that increase the audio signal and help separate the left and right channels. The stereo microphone may be used inside the parabolic dish, or by itself. The separator plate, between the two microphones, can be removed with thumb screws. Without the separator plate, the two microphones can be summed as an array, with a mixer, to create a low noise mono near field.

You may have heard of stereo parabolic microphones before, but those position two microphones at the focal point of the parabola. Since the purpose of a parabolic microphone is to focus on a single distant point, like a telephoto lens, it is by definition, a monaural microphone, and not useful for wide field stereo pickup. While "focal point stereo" microphones have some stereo effect, it would be equivalent to taking landscape photos with a telephoto lens. The Wildtronics Mono-Stereo Parabolic Microphone has separate stereo microphones, shielded from the focal point, at the open end of the parabolic dish, allowing a wide field stereo capture. The separator plate is used to further improve the stereo separation. With the parabolic dish installed, the rear sound isolation and forward gain of the stereo microphone pair is further enhanced. The Wildtronics Mono-Stereo Parabolic Microphone has three separate channels, Left, Right, and a super hyper-cardioid Monaural. The level of each channel can be adjusted independently with a preamp/mixer or be post edited separately by making a multichannel recording.

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.

Specifications:

Polar Pattern: Super Hyper Cardioid	Frequency Response Stereo: 20-20kHz
Frequency Response Mono: 200-20kHz	Stereo Sensitivity XLR: -12dB (250mV)/Pascal @1kHz
Sensitivity Mono XLR: -4dB (630mV) / Pascal @1kHz	Sensitivity Stereo 3.5mm: -18dB (125mV)/Pascal @1kHz
Sensitivity Mono XLR: +6dB (2V) / Pascal @3kHz	Max input sound level Stereo: +108dB @1kHz
Sensitivity Mono XLR: +14dB (5V) / Pascal @10kHz	Equivalent Self-noise Stereo: 5dBA
Sensitivity Mono 3.5mm: -10dB (315mV) / Pascal @1kHz	S/N Ratio: Stereo: 89dB @ 1kHz
Sensitivity Mono 3.5mm: 0dB (1V) / Pascal @3kHz	Impedance Stereo XLR: 2k Ohm
Sensitivity Mono 3.5mm: +8dB (2.5V) / Pascal @10kHz	Impedance Stereo 3.5mm: 1.4k Ohm
Max input sound level Mono: +100dB @ 1kHz	
Max input sound level Mono: +90dB @ 3kHz	Phantom Power: 11-53 Volt, 8mA/channel (48V)
Max input sound level Mono: +80dB @ 10kHz	Battery Type: 9 Volt (Alkaline, NiMH)
Equivalent Self-noise Mono: -8dBA @ 1kHz	Battery Life (Alkaline): 100 hours
Equivalent Self-noise Mono: -18dBA @ 3kHz	Dimensions: 22.5-inch x 22.5-inch x 8-inch
Equivalent Self-noise Mono: -26dBA @ 10kHz	Weight Stereo: 2lbs 15oz
S/N Ratio Mono: 102dB @ 1kHz	Maximum Storage Temperature*: 160/71° F/C
Impedance Mono XLR: 1k Ohm	* See manual for detailed storage requirements
Impedance Mono 3.5mm: 500 Ohm	

Connector Wiring:

XLR: pin 1 = ground, pin 2 = signal (+), pin 3 = signal (-)

3.5mm mono: barrel = ground, tip = signal, ring = signal

3.5mm stereo: barrel = ground, tip = left channel, ring = right channel

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



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