

U873R HANDHELD HYPERCARDIOID CONDENSER MICROPHONE

unipoint



- Designed for high-quality sound reinforcement, professional recording and broadcasting
- Smooth, accurate reproduction for handheld and fixed-mount applications
- Superior off-axis rejection for maximum gain before feedback
- Hypercardioid polar pattern reduces pickup of sounds from the sides and rear, improving isolation of desired sound source
- Integral 80 Hz high-pass filter switch and 10 dB pad switch
- Accepts interchangeable elements to permit angle of acceptance from 100° to 360°
- Superior anti-shock engineering ensures low handling noise
- High sensitivity and high SPL capability
- Robust design for enduring dependability

The U873R requires 11V to 52V phantom power for operation.

Output from the microphone's XLRM-type connector is low impedance (Lo-Z) balanced. The signal appears across Pins 2 and 3; Pin 1 is ground (shield). Output phase is "Pin 2 hot"—positive acoustic pressure produces positive voltage at Pin 2.

To avoid phase cancellation and poor sound, all mic cables must be wired consistently: Pin 1-to-Pin 1, etc.

An integral 80 Hz high-pass filter provides easy switching from a flat frequency response to a low-end roll-off. The roll-off position reduces the microphone's sensitivity to popping in close vocal use. It also reduces the pickup of low-frequency ambient noise (such as traffic, air-handling systems, etc.), room reverberation and mechanically coupled vibrations.

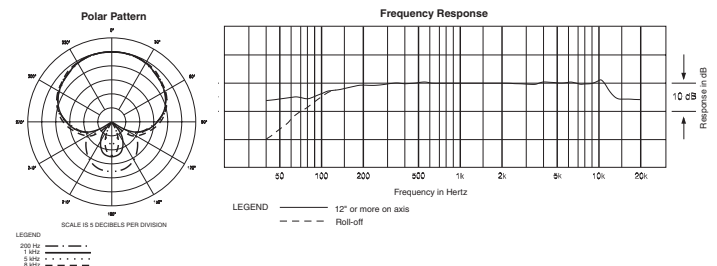
Avoid leaving the microphone in the open sun or in areas where temperatures exceed 110° F (43° C) for extended periods. Extremely high humidity should also be avoided.

U873R SPECIFICATIONS[†]

ELEMENT	Fixed-charge back plate permanently polarized condenser
POLAR PATTERN	Hypercardioid
FREQUENCY RESPONSE	70-20,000 Hz
LOW FREQUENCY ROLL-OFF	80 Hz, 18 dB/octave
OPEN CIRCUIT SENSITIVITY	-41 dB (8.9 mV) re 1V at 1 Pa*
IMPEDANCE	200 ohms
MAXIMUM INPUT SOUND LEVEL	155 dB SPL, 1 kHz at 1% T.H.D.
DYNAMIC RANGE (typical)	131 dB, 1 kHz at Max SPL
SIGNAL-TO-NOISE RATIO[†]	70 dB, 1 kHz at 1 Pa*
PHANTOM POWER REQUIREMENTS	11-52V DC, 3 mA typical
SWITCHES	Flat, roll-off; 10 dB pad
WEIGHT	5.6 oz (160 g)
DIMENSIONS	6.17" (156.7 mm) long, 1.48" (37.7 mm) head diameter
OUTPUT CONNECTOR	Integral 3-pin XLRM-type
OPTIONAL INTERCHANGEABLE ELEMENTS	UE-C cardioid (120°); UE-O omnidirectional (360°)
ACCESSORIES FURNISHED	AT8122 foam windscreen; AT8405a stand clamp for 5/8"-27 threaded stands; soft protective pouch

[†]In the interest of standards development, A.T.U.S. offers full details on its test methods to other industry professionals on request.

*1 Pascal = 10 dynes/cm² = 10 microbars = 94 dB SPL
[†]Typical, A-weighted, using Audio Precision System One. Specifications are subject to change without notice.



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