



UTM-86

**PROFESSIONAL OMNIDIRECTIONAL
LAVALIER MICROPHONE**

USER'S GUIDE

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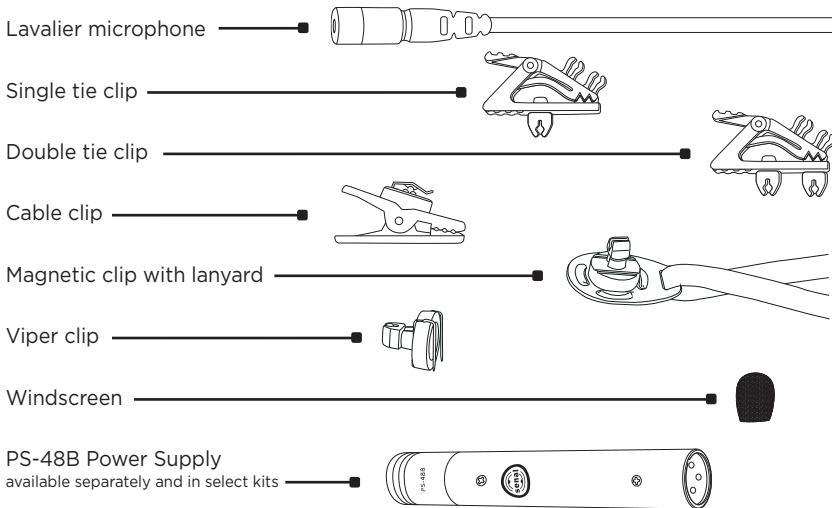
Thank you for choosing Senal.

The Senal UTM-86 lavalier microphone delivers realistic and robust broadcast-quality sound for TV, film, stage, or any application where an inconspicuous lavalier microphone is needed.

The UTM-86 features a wide frequency response tailored for rich low frequencies and natural-sounding mid range that's ideal for capturing all kinds of speech and dialog. An omnidirectional polar pattern provides minimal sensitivity to head movement and offers numerous options for positioning the microphone on clothing or wardrobe. A windscreen and a variety of mounting options are included to accommodate a wide range of miking scenarios for public speaking, interviews, video, and film.

The UTM-86 is designed to connect to a wireless body pack, and it comes configured with connectors for many of the most popular wireless systems. It can also be combined with Senal's PS-48B Power Supply (available separately) so it can operate on phantom or battery power, which provides compatibility with any XLR microphone input.

Overview



Precautions

- Please read and follow these instructions, and keep this manual in a safe place.
- Keep this product away from water and all flammable gases or liquids.
- Do not attempt to disassemble or repair this product.
- Handle this product with care.
- Clean this product with only a soft, dry cloth.
- Make sure that this product is intact and that there are no missing parts.
- All images are for illustrative purposes only.

Mounting Options (Tips and Tricks)

Single Tie Clip

The single tie clip is designed with two cable clips that create strain relief and prevent unwanted movement or handling noise.

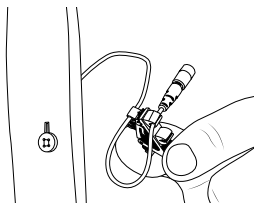
Double Tie Clip

The double tie clip holds two UTM-86 lavalier microphones and is the accessory to use if you're creating a stereo recording or if you're recording to two separate devices. The double tie clip is designed with two cable clips on the back to create a broadcast loop.

Broadcast Loop: A broadcast loop is a trick pros use to prevent cable and handling noise from spoiling a recording. You can make a broadcast loop with either the single or dual tie clip. To make a broadcast loop, follow these steps:

1. Attach the mic cable to one of the two rear cable clips.
2. Place the microphone head into the mic holder on the front side of the tie clip. The loop can then be placed outside of the garment or inside a shirt or outer clothing.

Pro tip: To prevent handling noise, use a piece of gaffer tape to tape the loop down onto the garment.



Viper Clip

The viper clip is ideal for positioning the microphone on the inside or outside of clothing. The two pins create a stable attachment to any fabric, making this a good choice for presentations or for attaching to wardrobe for theatrical productions.

Magnetic Clip with Lanyard

The magnetic clip is useful when you want to position the microphone on a garment without piercing it with a viper clip. Put the lanyard around your neck, and place the magnetic mount on the inside of the garment. Secure the mount with the mic clamp on the outside of the garment.

Specifications

Transducer	Back electret condenser
Polar pattern	Omnidirectional
Frequency response	50 Hz to 18 kHz
Sensitivity	-64 dB \pm 3 dB (UTM-86-HRS/35H/35N) -62 dB \pm 3 dB (UTM-86TA4) -73 dB \pm 3 dB (UTM-86-TA5)
Impedance	600 Ω \pm 30% (@ 1 kHz) (UTM-86-HRS/35H/35N) 1 k Ω \pm 30% (@ 1 kHz) (UTM-86-TA4) 1.8 k Ω \pm 30% (@ 1 kHz) (UTM-86-TA5)
Signal-to-noise ratio	>70 dB @ 1 kHz
Maximum input sound level	126 dB @ 1 kHz
Operating voltage	2 V DC
Cable length	3.6 ft. (1.1 m)
Head dimensions (H \times \varnothing)	1 \times 0.2 in. (24.3 \times 5.5 mm)
Cable diameter	0.06 in. (1.6 mm)
Weight	0.4 oz. (12 g)

One-Year Limited Warranty

This Senal product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Senal Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Senal along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.senalsound.com or call Customer Service at 212-594-2353.

Product warranty provided by the Gradus Group.
www.gradusgroup.com

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