



SONOTRIM is a registered trademark of POSTHORN RECORDINGS. SONOTRIM is manufactured exclusively for and distributed worldwide by POSTHORN RECORDINGS.

Legal Notice:

### ***So what are they, and why do I need one?***

The SONOTRIM is a high-quality electret microphone whose low profile and broad range of accessories make it ideal for "body" or "stashed" placement. It readily interfaces with all popular wireless systems, or it may be battery-powered. It is distinguished from "look-alikes" by its more "open" sound, thanks to a special transducer of a broadband, low-distortion, low-noise design. A hint of high-frequency emphasis improves speech intelligibility and helps to offset the inevitable compromises in lavalier placement.

The SONOTRIM is small enough to be exposed where a larger microphone would need to be hidden, eliminating the risk of clothing rustle and muffled sound. In these important respects the SONOTRIM is indispensable to the working sound mixer or recordist.

### ***Why does it look like a Tram but not sound like one?***

Only the capsule is different – but *vive la différence!* The SONOTRIM's less nasal, more natural sound mixes surprisingly well with a good boom microphone to achieve a combination of presence and ambience well suited to today's film and video projects. Also, the SONOTRIM can be reversed in its mount to reduce wind and clothing noise without altering its sound (the Tram gets "peakier" when turned to face inward). Finally, the SONOTRIM's quality control is tighter, as each unit is individually measured and auditioned to meet rigid standards. Sonotrimms can be identified by their serial number, which starts with an "S." The cable has a white "boot" at the connector, and the sound inlet has an iris, not just a black hole. Otherwise, their battery supplies (if of the same bias!) and accessories are interchangeable; except for SONOTRIM's BLTD Boundary-Layer adapter and reinforced Tie Bar.

### ***But it costs more!***

Better things often do. Besides, the price includes the **Boundary-Layer Tape-Down** adapter as an extra, tucked into a blue snap-clasp carrying case along with the usual **Tie Bar**, **Tie Tac**, **Tape-Down** tab, **Cable Holder**, **Windscreen** and "Vampire" **Clip-On Holder**. When the microphone must be hidden under clothing (risking rubbing noise and muffled sound), the optional **Microphone Cage** accessory can be a real help. The plain back MC-1 uses double-stick tape; the MC-2 is backed by a dual-needle "Vampire clip."

### ***How is it powered?***

The SONOTRIM can be powered by any of the popular wireless transmitters or by its own STR-79 battery supply, which is also useful as a standby in the event of RF problems. Battery life, depending on cell type, is 4000–20,000 hours. The hardwired STR-PS model will work with 12V–48V phantom power, as will the positive-bias battery supplies (but *do* remove the battery first!). **PLEASE NOTE:** SONOTRIMs wired for positive bias, if powered by a wireless transmitter, may be "out-of-phase" when mixed with other microphones. To prevent any risk of interference or partial cancellation, use a "phase-reverse" cable or adapter at the receiver's output. When powered by the STR-79 battery supply, however, the microphone's polarity is re-inverted to be "in phase" with other microphones of correct polarity.

### ***What's this about positive and negative bias?***

Older RF transmitter designs which powered electret microphones were usually wired for negative bias. Newer designs either offer both bias options or are positive-bias only. In wireless applications, given the rather arbitrary notion of "ground," the choice makes little difference. However, when the microphone with its battery supply is connected to conventionally grounded equipment, positive bias is definitely preferred. Negative bias leaves the microphone element ungrounded, vulnerable to the hums and buzzes generated by SCRs in lighting boards and the manifold sources of EMI and RFI that inhabit most recording environments. The SONOTRIM's-reinforced two-conductor shielded cable allows the choice of either positive or negative bias.

### ***Now I suppose I should choose a color . . .***

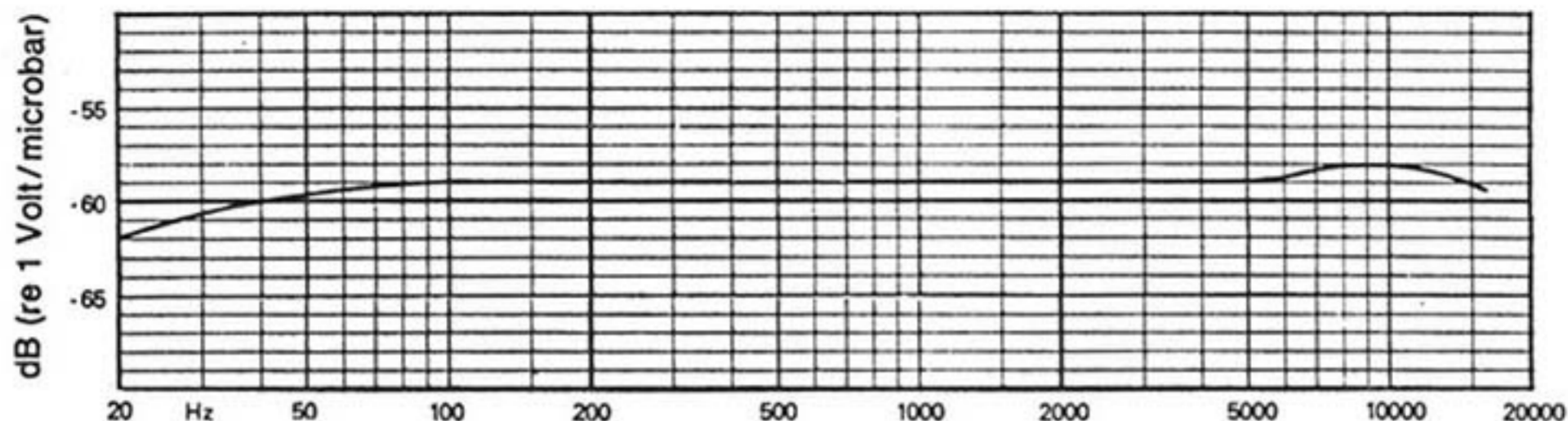
SONOTRIMs are available in black, gray, white or tan ("flesh"), with cable and mounting accessories in matching colors. When ordering, prefix the letters **B**, **G**, **W**, or **T** to the microphone or any additional accessories you have selected.



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**SPECIFICATIONS:**



<b>Maximum SPL:</b>	134 dB (battery-powered) 148 dB (12V–48V phantom-powered)
<b>Noise:</b>	25 dB "A"-weighted (equivalent SPL at 1 kHz)
<b>Source Impedance:</b>	3 kOhm unbalanced 250 Ohm transformer-balanced at output of STR-79 or STR-PS battery supply
<b>Internal Powering:</b>	0.9V–20V, positive or negative bias. STR-79 & STR-PS use a LR44H/A76/675/357-type button cell
<b>External Powering:</b>	12V–48V phantom-powered (positive bias STR-79+ or STR-PS models <i>only</i> )
<b>Power Consumption:</b>	25µA @ 1.3V (STR-79 or STR-PS battery supply) 95µA @ 6V (12V–48V phantom-powered STR-79+ or STR-PS supply)
<b>Capsule Dimensions:</b>	L = 0.540", W = 0.300", D = 0.196"
<b>Battery Supply:</b>	L = 3.250". Diameter, not including clip = 0.750"
<b>Cable Length:</b>	54" is standard. Custom lengths up to 12' are an additional \$25, \$1 per foot thereafter