

# H187

## TECHNICAL DATA

### Plug-On VHF Transmitter



The H187 plug-on transmitter adapts microphones with XLR connectors to wireless operation. The spring-loaded, rotating input coupler is easy to operate, yet provides a firm, noise-free fit with a wide variety of different microphones. The transmitter housing and the body of the attached microphone form an efficient dipole antenna configuration, with an insulator between the input coupler and the lower section of the transmitter housing separating the two halves of the antenna.

The transmitter handles input levels ranging from 4 mV to 300 mV (up to 10 V with limiter), making it useful with dynamic and self-powered electret microphones, and with modest line level signals from portable mixers and studio consoles. Phantom power (5V) on the input is provided to power electret microphones directly from the XLR jack. The input preamp offers wide range limiting to cleanly handle peaks up to 30dB above full modulation without distortion. The input gain is adjustable over a 43 dB range, with dual LEDs on the top panel to accurately indicate the audio level and the onset of limiting. The LEDs can be seen while speaking into the microphone.

The aluminum battery door is hinged to the housing to remain attached to the transmitter at all times. The battery contacts automatically adjust to provide a reliable contact for whatever battery is installed. A 9 volt battery can be run down to well under 7 volts to extend battery life to over 14 hours with an alkaline battery. The status of the battery is indicated by the brightness of a red LED on the control panel.

- Adapts any microphone with an XLR jack to wireless operation
- Accepts audio from dynamic mic level up to moderate line levels
- Ultra-flat frequency response preserves the tonal quality of whatever mic is used
- Durable machined aluminum construction.
- Simple changing of microphones with a firm, noise-free fit.
- Modulation level LEDs allow quick and precise gain adjustment.
- Precision battery compartment accepts any make of alkaline 9 V battery.
- 14 hours operating time on an alkaline battery.

