

RADIO CONTROL CONSOLE, Tone, Sin- gle Frequency, Model 17-11008



Application:

The 17-11008, Single Frequency, Tone Control, Radio Console, provides the ability to control a single frequency remote radio that is connected to a "tone remote adapter". It is a 2-wire or 4-wire device designed to operate on nominal "0-dBm" lines.

Features:

Modular (RJ45) line connectors

Circuit board jumpers for configuration of several parameters:

- 2-Wire or 4-Wire operation

- 600 Ohm or Hi-Z termination

- DC blocking

Automatic level circuits in transmit and receive circuits help keep audio levels constant while "downward expansion" minimizes line noise.

Audio power amp with short circuit and over-temperature protection.

Long-life, sealed reed-type talk switch.

TVS Line protection

Provided with an external AC power supply, but can also be powered with a 12 VDC supply (e. g., "12 V" battery).

Cross mute (ground), Auxiliary PTT Contacts and PTT foot switch contacts standard.

Choice of microphones: Electret standard, gooseneck or desktop dynamic microphones available as an option.

Operation:

The 17-11008 is normally in "receive". To talk over the remote radio, the operator presses the "Talk" switch. This results in voice and control tone being sent over the wire pair. To send voice only (no control tones), press the Intercom switch instead.

Physical Description:

The 17-11008 Radio Control Console is built in a rugged enclosure, comprised of a heavy gauge, hard anodized aluminum base and a painted, cold rolled steel top panel. Line, power

and auxiliary connections are all made at the back of the intercom. Receive sensitivity, microphone sensitivity and transmit level adjustments are available at the bottom of the intercom. Jumper selections and any further level adjustments are made inside the case.

Specifications:

- Construction: Heavy gauge, hard anodized aluminum base with painted steel upper panel.
- Size: 6 7/8" wide x 4 5/8" tall x 7 5/8" deep.
- Line Type: 2-wire and 4-wire, "0dBm" communication lines.
- Receive Level: -20 to +12 dBm, with ALC knee set at -26dBm.
- Transmit Level: -26 to +3 dBm into 600 Ohms.
- Industry-standard keying tone sequence. User may program the use of any of the standard function tones, or may choose to use the 2175Hz tone without a function tone.
- Speaker: 3 1/2 inch, heavy duty with water-resistant cone.
- Audio Output: 1 Watt (Can be factory adjusted to 4 Watts upon request).
- Power Supply: Nominal 12 VDC, 2.1 mm jack with center positive, externally accessible fuse.
- Line Connections: RJ45 connector on back panel.
- Auxiliary connections via pluggable connector accessible from rear of unit. Aux. connections include PTT foot switch, ground cross mute and Aux. Relay contact. Aux. Relay contact is a "Form A" contact, factory configurable to provide an isolated closure, a pull-to-ground or a pull-to-+12 VDC.
- Available adjustments: Receive Sensitivity, Transmit Level and Microphone Sensitivity.
- Push buttons with reed switches for long life. Switches illuminated with long-lasting LEDs.

Ordering Information:

17-11008 Radio Control Console, Tone Control, Single Frequency

- To substitute a dynamic microphone on a gooseneck for the standard electret microphone, add "M" to the part number
- To substitute a desk-style dynamic microphone with a PTT switch, add "D" to the part number
- To add headset jacks for a "Plantronics-Style" headset using P-10 plug prong, add "H" to the part number.

Example: For a console with a gooseneck microphone and headset jacks, the part number is 17-11008MH

Other optional equipment:

HSX-1010-00 Heavy Duty Foot Switch for Push-to-Talk

11-16001 Wall-Mount Kit. Includes brackets and hardware to mount your console on a vertical surface