



GAI-TRONICS® CORPORATION
A HUBBELL COMPANY

Model 4514-001 110/220 V AC 6-Channel Radio

General Information

This data sheet applies to the Model 4514-001 110/220 V AC 6-Channel Radio, which has its frequencies programmed by the customer.

It features a stationary-mounted UHF transceiver suited for industrial complexes, especially in cranes or other mobile equipment. This radio includes a heavy-duty housing and a choice of power source (110/220 V ac), microphones, speakers, and antennas. It has a 2-watt RF output and CTCSS for private communications is selectable.

The radio measures 11.25 W × 14.14 H × 3.00 D inches. The housing is also a mounting bracket, and includes an integral handle. The mounting bolts double as support feet when the unit is placed horizontally on a flat surface such as on a desktop.

The channel selector switch and the power, speaker, and microphone connectors are located on the top of the unit. The antenna connection is on the underside of the unit and remains easily accessible when the unit is mounted. The radio transceiver module is easily replaceable in the field, but must be reprogrammed by a qualified technician. Standby/emergency battery option (integral to the chassis) provides continuous operation during temporary power interruptions.

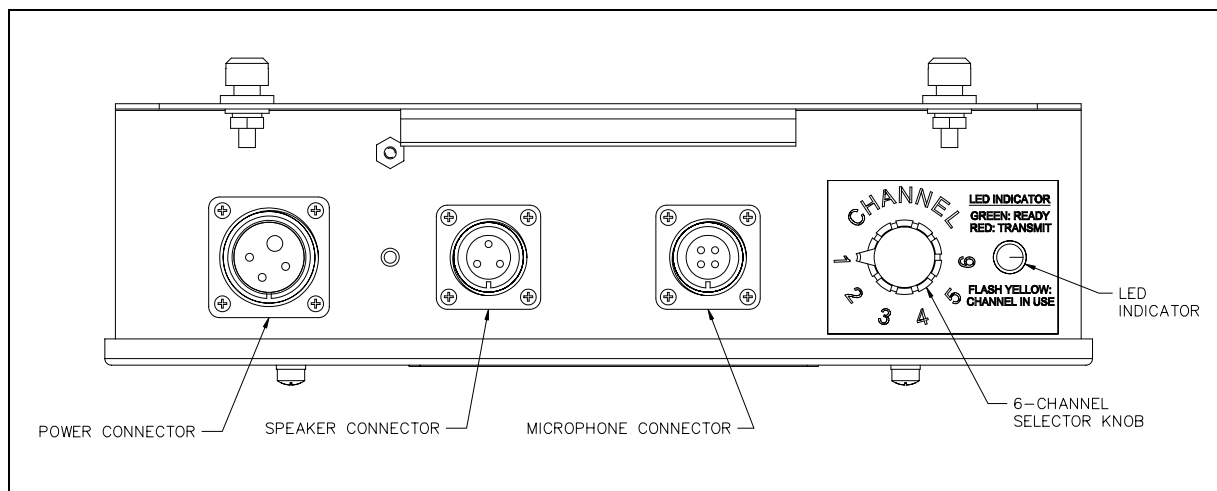


Figure 1. Top View of the Model 4514-001 6-Channel Radio

Performance Specifications

Color Black
 Construction.....Dust-resistant steel enclosure
 Physical size.....14.125 H × 11.250 W × 3.00 D inches
 Weight..... 10 lbs.
 Temperature range -30° C to +60° C
 Humidity90% non-condensing

110/220 V ac Option

Supply voltage range..... 85 to 260 V ac range, (50/60 Hz; 110/220 V ac nominal)
 Power consumed8 W Standby/30 W maximum
 Channel frequencies 1 through 6 As specified by customer
 Speaker amplifier8 watts maximum into 8 ohm
 450–470 MHz Radio Transceiver See Pub. DTX-MRMe-142/442
 Microphone No. MI2895 dynamic, amplified, noise-canceling
 Speaker.....No. 651301/102 Cast aluminum, 16-ohm with volume control
 Antennas No. CN3614 1/4 wave whip antenna
 ConnectionsMS Series connectors
 Standby/Emergency Battery Option15 minutes under maximum power drain
 longer with average current drain

Other Model Numbers

4512-001270 V dc; Frequencies programmed by customer
 4514-001FR 110/220 V ac; Frequencies programmed at the factory
 4512-001FR 270 V dc; Frequencies programmed at factory

NOTE: Customers are to supply frequencies to GAI-Tronics at the time of order