



**GAI-TRONICS® CORPORATION**  
A HUBBELL COMPANY

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

## General Information

This data sheet applies to the Model 4514-001FR 110/220 V AC 6-Channel Radio, which has its frequencies programmed at the factory. Customers must supply the frequencies at the time of order.

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.

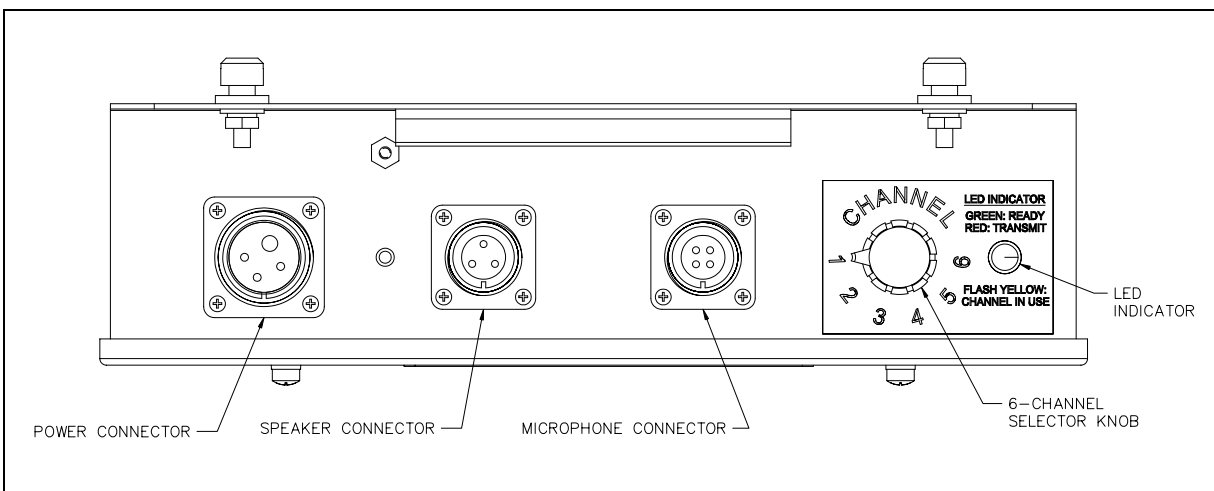


Figure 1. Top View of the Model 4514-001FR 6-Channel Radio

# 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  
 Humidity .....90% 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 consumed .....8 W Standby/30 W maximum  
 Channel frequencies 1 through 6 ..... As specified by customer  
 Speaker amplifier .....8 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  
 Connections .....MS Series connectors  
 Standby/Emergency Battery Option .....15 minutes under maximum power drain  
 longer with average current drain

## Other Model Numbers

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

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