



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

# Model 4512-001FR 270 V DC 6-Channel Radio

## General Information

This data sheet applies to the Model 4512-001FR 270 V DC 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 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.

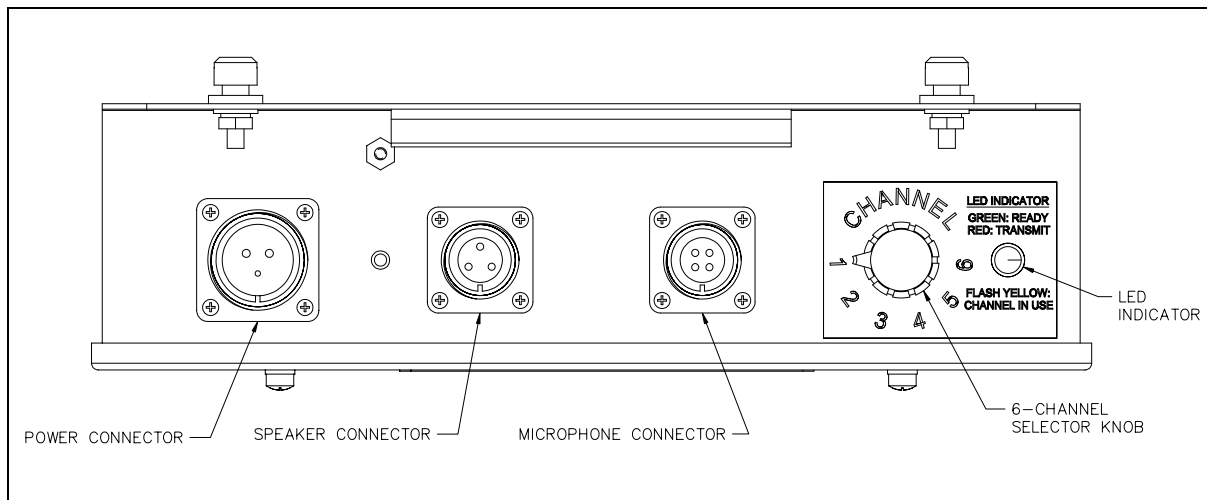


Figure 1. Top View of the Model 4512-001FR 6-Channel Radio

# 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

270 V dc Option

Supply voltage range..... 200 to 350 V dc range, (270 V dc nominal)  
 Power consumed ..... 8 W Standby/30 W maximum  
 Supply voltage filtering..... Two stage LC, RES, MOV

## Other Model Numbers

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

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