

Teaberry Electronics Corp.

CITIZENS BAND TRANSCEIVER



MODEL FIVE by FIVE

INSTRUCTION MANUAL

SECTION 1

GENERAL INFORMATION

DESCRIPTION

Your new TEABERRY "Five by Five" is a compact, all-transistorized, 23-channel Citizens Band Transceiver designed for mobile operation from 12.6V DC power source, either positive or negative ground. A 12V DC power cord and a mounting bracket are included with your "Five by Five".

Your "Five by Five" transmits and receives with crystal-controlled accuracy and reliability on all 23 channels, featuring dual conversion, low noise RF stage, S-meter, adjustable squelch, external speaker jack, and provisions for paging or public address system.

SPECIFICATIONS

RECEIVER:

Frequency range	: 26.965 MHz. to 27.255 MHz.
Sensitivity	: 0.3 μ V for 10 db S+N/N at 1,000 Hz., 30% modulated.
Selectivity	: 6 db bandwidth 5 KHz. 50 db bandwidth 20 KHz.
Squelch range	: Adjustable from 0.5 μ V to 1,000 μ V.
Audio output	: 3.5 watts.

TRANSMITTER:

Frequency range	: 26.965 MHz. to 27.255 MHz.
Carrier frequency stability	: \pm 0.005% (max.).
R.F. output	: 3 watts.

GENERAL:

Primary power	: 13.8V DC (EIA standard).
Antenna	: 52 ohm coaxial.
P.A. output	: 3.2 watts.
Size	: 7 ⁵ / ₁₆ " \times 6 ¹¹ / ₁₆ " \times 2 ³ / ₃₂ "
Weight	: 4 lbs

DO NOT TRANSMIT WITH THIS EQUIPMENT UNTIL YOU HAVE RECEIVED YOUR LICENSE FROM THE FCC. Illegal operation can result in severe penalties. Be sure that you have read and understand Part 95 of the FCC Rules and Regulations before operating your station.

SECTION 2

INSTALLATION

MOUNTING

Your "Five by Five" may be installed as a mobile station using the mounting bracket provided in any position which will be convenient to the user. Select a suitable mounting location and securely fasten it to some solid surface such as the underside of the dash. Before drilling the holes, make sure that nothing will interfere with the installation of the mounting bolts.

POWER CONNECTION

The red power lead is to be connected to the positive terminal of the battery. The black lead is to be connected to ground. Your "Five by Five" may be operated from 12V DC, either positive or negative ground electrical systems.

ANTENNA

Your "Five by Five" is factory-adjusted to give optimum performance using 52-ohm antenna. The antenna selected must be specifically designed for CB equipment. No attempt should be made to tune the transmitter to the antenna. Instead, the antenna should be adjusted to present the lowest possible SWR (standing wave ratio). A very low SWR means that the antenna is operating at maximum efficiency and will also mean that it is adjusted to 52 ohms. The coaxial antenna lead-in should be as short as possible and only types RG-58/U or RG-8U are recommended.

SECTION 3

OPERATING INSTRUCTIONS

CAUTION : DO NOT PUSH TRANSMIT SWITCH WITHOUT FIRST CONNECTING
52-OHM ANTENNA OR DUMMY LOAD.

VOLUME CONTROL AND ON-OFF SWITCH

This control turns the power on and off, and adjust the loudness of the received signals, and P.A. speaker. Clockwise rotation will increase the volume.

SQUELCH CONTROL

This control eliminates background noise in the absence of a received signal. In the full counterclockwise position, the unit is unsquelched. In the full clockwise position, the unit is squelched for even very strong signals.

CHANNEL SELECTOR

This channel selector has 24 operating positions which enables you to select any one of the 23 channels for both receive and transmit frequencies simultaneously, or P.A. function.

RF/S-METER

This meter gives an indication of the receive signal strength and also shows relative RF power when transmitting.

MODULATION INDICATOR

This indicator will fluctuate in brilliance when the transmitter is modulated.

NOISE INTERFERENCE

Your "Five by Five" contains an automatic noise limiter. Noise interference can generally be reduced by the use of distributor suppressors and generator condensers. In severe cases, the service of a qualified technician may be required.