

2. INSTALLATION

CAUTION

YOUR VFO-62 IS DESIGNED TO OPERATE FROM 105- TO 125-VOLT, 50- TO 60-CYCLE AC SOURCE ONLY. CONNECTION TO A DC POWER SOURCE WILL RESULT IN SERIOUS DAMAGE TO THE UNIT.

2.1 Initial Setup — The following information will assist you in preparing the VFO-62 for operation. The output of the unit is capable of properly driving most transmitters through standard coaxial cable not exceeding 5 feet in length. If it is necessary to make this connection longer than 5 feet, the use of low-capacity coaxial cable is recommended. For best results, always make the connection to your transmitter as short as possible. In most cases, one side of the crystal circuit in a transmitter is grounded; therefore, it is important that the coaxial shield be connected to the ground side of the crystal socket and the ground side of the VFO output jack, shown in figure 2.

To retain the crystal mode of operation, plug your crystal in the socket provided on the front panel of the VFO-62.

For internal calibration, it is necessary to plug a standard 1-mc crystal into the calibrating-crystal socket (see figure 4) and connect a headset to the phone jack at the rear of the VFO, shown in figure 2.

With the FUNCTION switch in the OFF position, connect the power line to a normal 105- to 125-volt ac power source. Your VFO-62 is now ready for local operation.

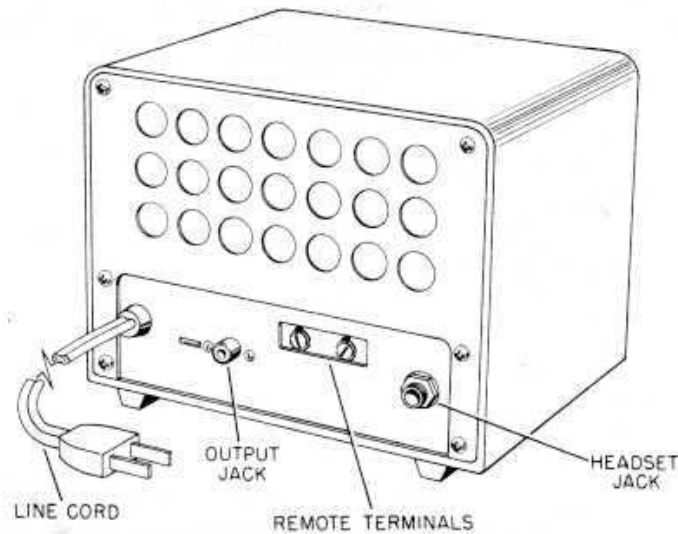


Figure 2. Rear View of VFO-62

3. OPERATION

WARNING

PARAGRAPH 12.135 OF THE FEDERAL COMMUNICATIONS COMMISSION RULES GOVERNING AMATEUR RADIO SERVICE REQUIRES REGULAR FREQUENCY MEASUREMENT OF THE EMITTED CARRIER FREQUENCY, INDEPENDENT OF THE MEANS USED TO CONTROL THE FREQUENCY OF THE TRANSMITTER.

3.1 Controls — The three controls required to operate the VFO-62 are located on the front panel. Figure 3 shows the physical location and gives a short description of each control.

The dial scale of the VFO-62 is calibrated at the output frequency of the unit and also the

fundamental frequency of the oscillator. The latter frequency scale, located under the operating frequency scale on both the 2- and 6-meter bands, is included for the convenience of those persons interested in bands other than the direct amateur band.