

OPERATION

Refer to Figure 1-2 for the following steps.

- () Plug the power cable onto the POWER socket on the rear panel.
- () Connect the power cable red lead to the + (positive) terminal and the black lead to the — (negative) terminal of a 13.4 VDC power source. CAUTION: Be sure you observe the correct polarity; otherwise the transistors in the Transceiver will be damaged.
- () Connect a key to the KEY jack on the rear panel.
- () Connect an antenna to the ANTENNA socket on the rear panel. (See the following information on antennas.)
- () Connect a pair of headphones to the HEADPHONES jack on the rear panel.

ANTENNAS

The Transceiver should be used with 50 ohm to 75 ohm antennas having a low VSWR. Lightweight hookup wire dipoles and inverted vee's are sufficient for solid contacts. They can be quickly strung up for camping trips and emergency operation, as well as field day use. However, antennas of the beam and quad type will provide a significant improvement in performance, much more so than for medium to high-power rigs.

The "ARRL Antenna Book" is commonly available and includes comprehensive reference work on transmission lines and antennas. Other similar handbooks for the amateur are offered for sale and can often be found in a public library.

- () Push in the Band switch for the band you intend to operate on.
- () Turn the Transceiver on by rotating the AF GAIN control clockwise until it "clicks" on. Then continue to rotate the control clockwise to a comfortable listening level.
- () Adjust the Main Tuning to the portion of the band where you intend to operate.

NOTE: When tuning across the band, always go to the high end of the band first and tune down to the low end. This is to assure that you will be on the high side of the zero beat when listening to a signal. Otherwise you may answer a CQ on the low side of zero beat and your transmitting frequency will be too low.

- () Listen to the headphones and adjust the RECEIVER PRESELECTOR for maximum signal loudness (fully clockwise for 15 and 20 meter operation).
- () Key the Transceiver and rotate the LOADING control to obtain a maximum meter indication. The Transceiver is now ready for on-the-air operation.