OPERATING INSTRUCTIONS

Figure 2. INSTALLING AN ANTENNA

CONTROLS AND THEIR FUNCTIONS

MVC (manual volume control) switches on the AVC (automatic volume control).

MVC: Where LCD (graphic display) are switched out of the circuit.

G-TONE: Switches the g-multilpier to PEAK (accentuate) or NULL (canceled).

G-X SELECTIVITY & X TONE: Switches the selectivity of the receiver. Use only as

G-X SELECTIVITY: Switches the selectivity of the receiver.

G-X CALIBRATION: Position is read only with an accessory crystal calibrator, to check this.

OFF: Switches the receiver off. Switches the receiver on when you are through using the receiver.

CASSETTE: (to the right of MAIN TUNING) For fine tuning. Use to

WARNING: To the left of MAIN TUNING (for coarse tuning) For fine tuning, use to

MAIN TUNING: Tuning knob on your left as you face the receiver.

ADJUST the main tuning knob for the best dial setting for your station.

ANTENNA: Interchange the RF input circuit to the antenna. When there is a change

GROUND ROAD
GROUND ANTIENNA
ANTENNA SUPPORT
LIGTHNING LOOP
4 WEAK COMMMUNICATIONS
LEAD-IN TO ANTENNA
SOLDER LEAD-IN
INSTART
Main Tuning Dial is used in two ways:

1. **Manual Tuning**
   - Adjust for desired station.
   - Adjust for strongest signal.

2. **AF Gain Adjustment**
   - Adjust for desired volume.

**Antenna**
- Not needed for local stations.
- Use for long range for DX.

**Bandspread**
- After station is tuned in on Main Tuning Dial, adjust for correct band.

**Control Settings for Standard Broadcast Reception**

- **Bandspread**
- **AF Gain**
- **Antenna**
- **Main Tuning**
- **Peak Off-Mute**
- **AVC**
- **OPF-3-VOL-VEL**
- **OPF-3-REV-VEL**
- **AVC**

**Control Settings for Short Wave Listening**

- **Bandspread**
- **AF Gain**
- **Antenna**
- **Main Tuning**
- **Peak Off-Mute**
- **AVC**
- **OPF-3-VOL-VEL**
- **OPF-3-REV-VEL**
- **AVC**

**Phone Reception**
- **Bandspread**
- **AF Gain**
- **Antenna**
- **Main Tuning**
- **Peak Off-Mute**
- **AVC**
- **OPF-3-VOL-VEL**
- **OPF-3-REV-VEL**
- **AVC**

**Control Settings for Standard Broadcast Reception**

- **Bandspread**
- **AF Gain**
- **Antenna**
- **Main Tuning**
- **Peak Off-Mute**
- **AVC**
- **OPF-3-VOL-VEL**
- **OPF-3-REV-VEL**
- **AVC**

**Control Settings for Short Wave Listening**

- **Bandspread**
- **AF Gain**
- **Antenna**
- **Main Tuning**
- **Peak Off-Mute**
- **AVC**
- **OPF-3-VOL-VEL**
- **OPF-3-REV-VEL**
- **AVC**

**Phone Reception**
- **Bandspread**
- **AF Gain**
- **Antenna**
- **Main Tuning**
- **Peak Off-Mute**
- **AVC**
- **OPF-3-VOL-VEL**
- **OPF-3-REV-VEL**
- **AVC**
Main Tuning: To index mark for desired amateur band.

BFO-MVC-VC-AN: RCO

OF: STIR-AVC-AN: RCO

Single Sideband Reception

BFO: Adjust the BFO control for the most pleasing note.

Station is heard. Slowly turn the BANDSPREAD dial until the desired

BANDSPREAD: Set the MAIN TUNING dial at the index mark for the

desired amateur band until the desired

Amateur Setting

Frequency Range

Amateur Frequencies

AF Gain

Set for maximum clockwise position

BFO

AF Gain

Set for desired band

Rf Gain

Use as volume control

BFO-MVC-VC-AN: Equally in VC position. May be switched to ANL

is heard clearly.

AF Gain: AT Minimum

Rf Gain: AT Minimum
**RESISTANCE CHART**

The circuit as shown elsewhere in this manual chapers RC-1 and RC-2 on the Front Panel and boarded into the multiplexer net. (For new amplified circuits, refer to the Back Cover).

**THE S-METER**

This circuit as shown elsewhere in this manual chapers RC-1 and RC-2 on the Front Panel and boarded into the multiplexer net. (For new amplified circuits, refer to the Back Cover).

**HOW IT WORKS**

1. An external input is provided for either open wire loop or coaxial cable.

2. An input signal is then presented to the circuit net. The signal is then fed into the multiplexer net, RC-1 and RC-2. The signal net is then fed into the input port of the circuit net. The input signal is then fed into the output port of the circuit net. The output signal is then fed into the amplifier net, RC-1 and RC-2. The output signal is then fed into the output port of the circuit net.

3. The output signal is then fed into the amplifier net, RC-1 and RC-2. The output signal is then fed into the output port of the circuit net. The output signal is then fed into the output port of the circuit net. The output signal is then fed into the output port of the circuit net.

4. The output signal is then fed into the output port of the circuit net. The output signal is then fed into the output port of the circuit net. The output signal is then fed into the output port of the circuit net. The output signal is then fed into the output port of the circuit net.

5. The output signal is then fed into the output port of the circuit net. The output signal is then fed into the output port of the circuit net. The output signal is then fed into the output port of the circuit net. The output signal is then fed into the output port of the circuit net.
PARTS LIST

- Oscillator Transformers
- Calibration
- Parts List
Equipment used for specification measurements.
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