

# Operating Instructions



## X-2 SSB Transceiver

1. Switch transceiver **On** by rotating the **Volume** control clockwise. The **Indicator** will light. Select the required **Channel** and **Mode** (USB or LSB). Follow the tuning instructions in 6 below. (No tuning required for broadband or dipole antennas).
2. With the **Mute** switch **Off**, set the **Volume** control for a comfortable listening level. The **Clarifier** may be adjusted for natural sounding speech as required.
3. The **Mute** will remove background noise when no signals are present and should be switched **Off** to prevent the occasional loss of syllables when communicating in the presence of weak signals.
4. Hold the microphone side-on, close to the mouth and speak clearly. Take care to press the transmit button before speaking. Always listen before transmitting to ensure that the selected channel is free of traffic.
5. When transmitting the **Indicator** light will flicker; **Tune** will cause the **Indicator** to light continuously.
6. After changing **Channel**
  - (a) Where a multi-frequency tapped whip is being used: select the correct tap position for the frequency in use.
  - (b) Where an automatic antenna tuner is being used: select **Tune** for approximately one second and ensure that the "tune complete, double high beep" is heard
  - (c) Where a manual antenna tuner is being used: set the tuner controls to the logging scale positions. Before transmitting operate the **Tune** switch and adjust the **Tune** control on the tuner for maximum meter reading.
7. Warning tones - Tones are used to warn of operator error or equipment status

### Low Tone Beep

**Single** - Transmit inhibited  
**Double** - Tune fail (check antenna)  
**Slow repetitive** - Low supply voltage  
**Fast repetitive** - PTT time-out

### High Tone Beep

**Double** - Tune complete  
**Repetitive** - Channel not programmed

### Continuous Tone

**Low Tone** - Channel unavailable  
**High Tone** - High supply voltage

- Warning:* (a) Do not obstruct the free flow of air through the transceiver rear fins;  
(b) Where two antennas are used; ensure they are connected to the correct antenna sockets for the frequency in use.

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## Operating Instructions cont'd

### **RFDS Emergency Call** (Australia only)

1. Switch transceiver **On** and adjust as in 1 to 6.

Ensure a local RFDS channel has been selected - on other channels the call will not be transmitted.

2. Operate **Emgcy Call** switch for at least 15 seconds then wait for a reply before transmitting. Unattended RFDS base stations will transmit a tone within 90 seconds if the call has been received.

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