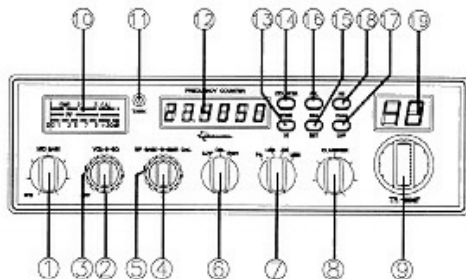


## CHAPTER 4 OPERATION

### FRONT PANEL



1. **MIC GAIN/ANF** : This is a multi function switch which controls both the gain to the microphone as well as the ANF (Advanced Noise Filter). In the outer position, the switch controls the ANF which improves the signal to noise ratio when receiving a marginal signal. When the switch is in the inner position it controls the amount of gain to the microphone.
2. **ON/OFF VOLUME CONTROL** : This knob controls the volume and the power to the radio. To turn the radio on, rotate the knob clockwise. Turning the knob further will increase the volume of the receiver.
3. **SQUELCH CONTROL** : This switch is used to eliminate background noise being heard through the receiver which can be disturbing when no transmissions are being received. To use this feature of your radio, gently turn the switch counterclockwise until the switch will not turn further. Then turn the switch clockwise until the background noise is just eliminated. If you turn the switch too far in a clockwise direction, you may not be able to hear weak transmissions.

- 7 -

4. **RF GAIN CONTROL** : A strong signal can overpower the RF amplifier. This control is used to reduce the gain from strong signals.
5. **SWR CAL CONTROL** : This control allows the user to calibrate the SWR meter, which is used to match the antenna to your radio.
6. **S-RF/CAL/SWR SWITCH** : This is a three function switch. In the S-RF position, the meter will indicate the strength of the signal being received, as well as the relative RF output of transmission. When calibrating the SWR meter, you need to put this switch in the CAL position. To use the meter to measure the standing wave ratio, turn the switch to the SWR position.
7. **MODE CONTROL** : This control allows you to select one of the following operating modes : PA/LSB/AM/USB

In the PA position, the radio acts as a public address amplifier. Your voice will come out of the speaker that is plugged into the PA. SP. jack on the rear panel. The radio does not operate when you are in the PA mode. In the CB position, the PA function is disabled and the unit will transmit and receive on the speaker that is connected to the radio.

8. **CLARIFIER** : Allows tuning of the received frequency above or below the channel frequency by up to 1.5 KHz. Although this control is intended primarily to tune in SSB signals, it may be used to optimize AM signals.
9. **CHANNEL SELECTOR** : This control is used to select a desired transmit and receive channel.
10. **FRONT PANEL METER** : The Front Panel Meter allows the user to monitor signal strength, RF output power and SWR level.
11. **TX/RX LED** : The red LED indicates the unit is in the transmit mode. The green LED indicates the unit is in the receive mode.
12. **FREQUENCY COUNTER** : This display indicates the frequency of the selected channel.

- 8 -