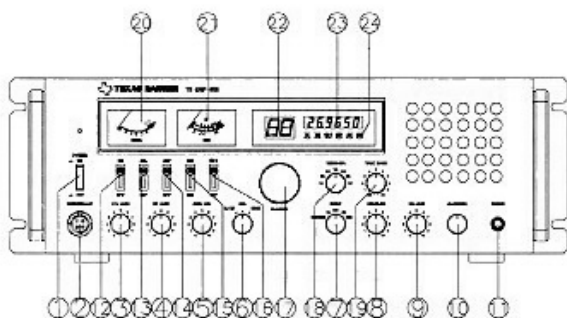


CHAPTER 5 OPERATION

FRONT PANEL



1. **POWER ON/OFF** : Push this switch to apply power to the radio.

2. **MICROPHONE JACK** : This jack accepts 4 pin microphone.

3. **MIC GAIN** : Adjusts the microphone gain in the transmit and PA modes. This controls the gain to the extent that full talk power is available several inches away from the microphone. In the Public Address (PA) mode, the control functions as the volume control.

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 : WEATHER/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. **SQUELCH CONTROL** : This control is used to control or eliminate receiver background noise in the absence of incoming signal. For maximum receiver sensitivity, it is desired that the control be adjusted only to the point where the receiver background noise is eliminated. Turn fully counter-clockwise, then slowly clockwise until the receiver noise disappears. Any signal to be received must now be slightly stronger than the average received noise. Further clockwise rotation will increase the threshold level which a signal must overcome in order to be heard. Only strong signals will be heard at a maximum clockwise setting.

9. **VOLUME CONTROL** : This control allows the user to set the desired listening level.

10. **CLARIFIER CONTROL** : Allows tuning of the receive 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.

11. **PHONE JACK** : This jack accepts headset (4 to 32 Ohms impedance). When the headset is plugged in, the built-in speaker and the external speaker connected will be disabled.