

(7) Select a desired mode of operation, CW, FM, AM, USB or LSB and adjust the CLARIFIER.

(8) Select a channel you desire by the CHANNEL SELECTOR.

**3.1.4 Operating Procedure To Transmit**

(1) Select the desired channel and mode of transmission.

(2) If the channel is clear, depress the Push-to-Talk switch on the microphone. Speak in a normal tone of voice.

**3.1.5 Standby-Beep**

A special provision has been built in your radio to give other stations a sign which tells that you are turning to receive. Without needing switching operation to activate this feature, a beep tone is automatically transmitted each time you release the Push-to-Talk switch on the microphone to turn to receive mode.

**3.1.6 Microphone Gain Control**

A preamplifier circuit is built into the radio to increase the microphone gain. Experiment with the control for setting that will best suit your individual use.

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 : **NOTE** :  
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 : *When the Microphone Gain control is set to maximum, ambient noise*  
 : *may also be picked up by the microphone. In high noise situations, low*  
 : *Microphone Gain setting may produce the best results. The Microphone*  
 : *Gain control is also used to adjust PA loudness.*  
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**3.1.7 Public Address Operation**

To use this feature of the transceiver, a speaker having a voice coil impedance of 8 to 16 Ohms and a power handling capability of at least 3 Watts should be connected to the PA SP jack on the rear panel. Be sure that there is physical separation between the microphone and the PA speaker itself. If the PA speaker is located very close to the microphone, acoustic feedback will result when the PA amplifier is operated at high volume (or when PA is used indoors). Adjustment of PA volume is made with the MIC GAIN control.

**3.1.8 SWR Measurement**

Most antennas are factory tuned, but the antenna efficiency may be peaked by slightly adjusting the length of antenna using the SWR meter built into the unit. This adjustment may improve the antenna standing wave ratio (SWR). The SWR permits you to determine how well matched the antenna and its cables are to your transceiver.

(1) Set the unit in the receive mode as instructed under the Operating Procedure to Receive section.

(2) Set the Mode switch to AM position.

(3) Press the Push-to-Talk switch on the microphone and turn the Calibrate Control clockwise (past click) so that the SWR meter pointer exactly coincides with the Set mark on the scale. Release the Push-to-Talk switch.

(4) Push the SWR switch. Press the Push-to-Talk switch again. The SWR of your antenna is read directly on the scale.

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 : **NOTE** :  
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 : *An SWR below 2 or less is desired as this indicates that over 95% of the*  
 : *transmitted power is broadcast into the air.*  
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