

4.12 OPERATION — SELECTIVE CALL

The selective calling system is an optional feature. Check that it is fitted to the transceiver before using this function.

Each transceiver is assigned a selective call code (000 to 254). This code is internally programmed in the selective calling module.

Press the "S.C." key and enter the three digit code for the desired station. Press the "CALL" button, this will switch the transmitter on and will then send the selective call code.

The station called will stop scanning and send back a transpond signal. This resond signal should be monitored to ensure that the call was received.

Once the call is received, the selective call initiates a 150 second scan hold timer, displays "CALL" on the LCD display, and sounds the call buzzer.

When a call is received, turn on the loudspeaker and answer the call. Pressing the transmit switch automatically updates the scan hold timer for 150 seconds. Alternately press the "SCAN" key to stop the scan. After the call is completed, press any key on the keypad to cancel the "CALL" display. If the scan mode is in use, press the "SCAN" key again to initiate scan.

The loudspeaker may be turned off to eliminate background noise while monitoring the channel in scan mode.

4.13 OPERATION - TRANSCALL

The Transcall feature is optional. Check that it is installed before attempting to use it.

Each transceiver in the Transcall domain utilizes the three-digit Selcall code (000 to 254) for

identification. This is internally programmed in the option module. In addition, each unit in the system should be programmed to scan the same number of "Transcall" channels. This is also an adjustment in the option module (see Section 12.7 of the technical manual).

To initiate a Transcall, press the "S.C." key and enter the three-digit code for the desired station. Flip the toggle switch from "SC" to "TC", and press the "CALL" button after the scan has begun. An arming tone will sound, and the transceiver will now be under full control of the Transcall circuit. Normal operation involves scanning, along with brief transmissions on each channel. When both stations become synchronized, they will step together and seek the channel providing best communications. Following this sequence (lasting a maximum of five minutes), the transceiver will automatically switch to the best channel and sound an alarm. An "error" message will appear if the stations do not achieve sync.

4.13.1 ABORT/EXIT FROM TRANSCALL MODE

The Transcall calling sequence may be stopped in progress, provided that the two stations have not yet synchronized. To abort, the calling station must hold the "CALL" key in for two seconds.

Exiting the transcall mode (either before "CALL" is pressed, or after the best channel has been selected), is achieved by flipping the toggle switch from "TC" to "SC", then pressing "F" on the keypad. The display will clear within three seconds.

4.13.2 TRANSCALL SCAN

When scanning in the transcall mode, the receiving station will also respond to a valid selcall. The scan limit is determined by the setting internally programmed in the option module.

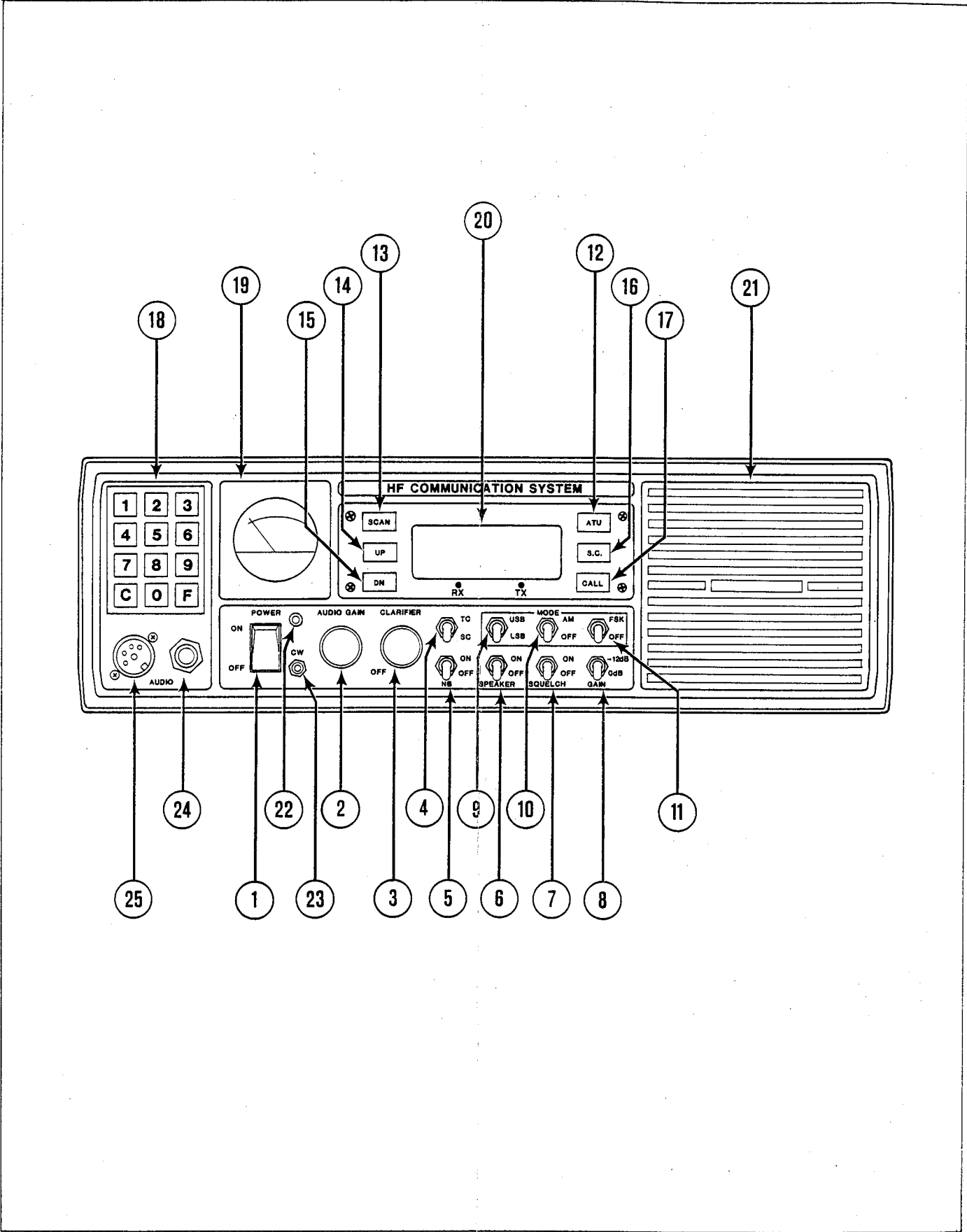


FIGURE 4-1. Front Panel Controls.