

<Amateur Radio Equipment>

FM REPEATER OPERATION

While using FM mode, you may access a repeater to enjoy long distance communications. Repeaters, which are often installed and maintained by radio club, are usually located on mountain tops or other elevated locations. Generally they operate at higher ERP (Effective Radiated Power) than a typical station. This combination of elevation and high ERP allows communications in FM Over much greater distance than FM communications without using repeaters.

Most repeaters use a receive and transmit frequency pair with an offset. In addition, some repeaters must receive a tone from the transceiver before it allows 430/ 440 MHz, and 1.2 GHz bands. For further information. Including repeater frequencies, consult your local repeater reference.

Note:

- When programming two separate frequencies using two VFOs, be sure to select FM mode on both VFOs.
- When operating through a repeater, over deviation caused by speaking too loudly into the microphone can cause your signal to talk-off (break-up) through the repeater.

Selecting an Offset Direction

1 Select a receive frequency.

2 Press [0/ SHIFT/OFFSET] to switch the offset direction.

- Select whether the transmit frequency will be higher (+) or lower (-) than the receive frequency.
- - + or - appears to indicate which offset direction is selected.

<Private Mobile Radio>

BACKGROUND OPERATIONS

Your dealer can activate a variety of transceiver function to perform without any additional operation on your part.

TIME-OUT TIMER (TOT)

The Time-out Timer is used to prevent any caller from using a channel for an extended period of time.

If you continuously transmit for a period of time that exceeds the programmed time, the transceiver will stop transmitting and an alert tone will sound. To stop the tone, release the PTT switch.

Your dealer can program the TOT time in the range of 30 seconds to 5 minutes.

If programmed by your dealer, a re-alert tone will sound before the timer expires. Also, if programmed by your dealer, you may have to wait for a short duration before you can continue to transmit. If you press the PTT switch before the timer has been reset, an alert tone will sound and the transceiver will not enter transmit mode.

OUT OF RANGE

On trunking channels, if set up by your dealer, the transceiver will indicate when it is out of range. When it can no longer communicate with any sites, an out of range tone sounds and NO SRVS appears on the display.