DUAL TONE MULTI-FREQUENCY (DTMF)

The keys on the keypad function as DTMF keys; the 12 keys found on a push-button telephone plus 4 additional keys (A, B, C, D). This transceiver provides 10 dedicated memory channels. You can store a DTMF code with up to 16 digits.

Some repeaters in the U.S.A. and Canada offer a service called Autopatch. You can access the public telephone network via such a repeater by sending DTMF tones. For further information, consult your local repeater reference.

MANUAL DIALING

Manual Dialing requires only two steps to send DTMF tones.

1 Press and hold **[PTT]**.

2 Press the keys in sequence on the keypad to send DTMF tones.
- The corresponding DTMF tones are transmitted.
- If the DTMF Hold function is activated, you not need hold down **[PTT]** while pressing keys. After transmitting the first tone (by pressing **[PTT]** and the first key), pressing additional keys will keep the transceiver in transmit mode for 2 seconds.

Frequency (Hz)	1209	1336	1447	1633
697	[1]	[2]	[3]	[A]
770	[4]	[5]	[6]	[B]
852	[7]	[8]	[9]	[C]
941	[✶]	[0]	[#]	[D]

■ DTMF Hold

Activate this function to remain in transmit mode, after beginning to press keys when making a call.

1 Enter Menu mode and access Menu 173.

```
DTMF          173
▶Hold

         Off
```

2 Set DTMF Hold to "On" to continue transmitting when pressing keys.
- Set this menu to "Off" to stop the 2 second continuous transmission.

AUTOMATIC DIALER

There are 10 dedicated DTMF Memory channels available to store DTMF codes. You can store up to 16 digits in each channel.

■ Storing a DTMF Code in Memory

1 Enter Menu mode and access Menu 170.

```
DTMF          170
▶Memory
```

2 Press **[▶ (OK)]**

```
DTMF MR CH
▶0:
```

3 Press **[▲]/[▼]** or rotate the **Tuning** control to select a channel number.

4 Press **[▶OK]** or **[MENU]** to set the selected channel number.
- The name entry display appears.

```
DTMF MR Name
0:▶Ken_____◀
```

5 Enter a name for the channel, the press **[▶OK]** or **[MENU]** to set it.
- The code entry display appears.

```
DTMF MR Code
0: Kenwood
▶01_____
```
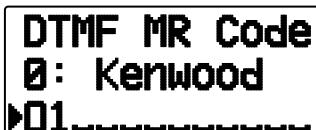
6 Enter a DTMF code for the channel, then press **[▶OK]** or **[MENU]** to set it.
- When a space is entered, it becomes a "Pause" code.

■ Transmitting Stored DTMF Codes

1 Press and hold **[PTT]**.

2 While transmitting, press **[MENU].**

- The last called DTMF Memory channel number and name appears on the display. If no name has been saved for the channel, the DTMF code appears.

```
L
▮▮▮▮▮
▶CH0:Kenwood
440.000
```
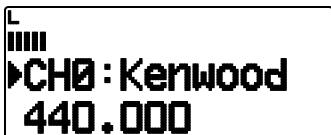
3 While still transmitting, press **[▲]/[▼]** or rotate the **Tuning** control to select your desired DTMF Memory channel, then press **[▶OK]** or **[MENU]** to transmit DTMF code.

- Additionally, you can press a DTMF key corresponding to your desired channel (**[0]** ~ **[9]**) to select the channel and begin transmission.
- The stored DTMF code scrolls across the display and is transmitted.
- The code will be transmitted even if you release **[PTT]** before the entire code has scrolled across the display.

```
L
▮▮▮▮▮
              012
440.000
```

```
L
▮▮▮▮▮
             0123
440.000
```
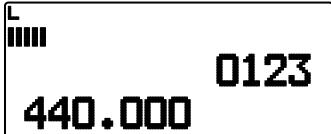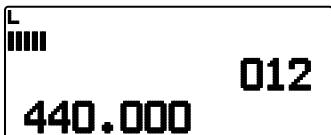
- If no DTMF code is stored in the selected channel, the frequency display is restored.

■ Selecting a Transmit Speed

Some repeaters may not respond correctly if a DTMF code is transmitted at fast speed. If this happens, change the DTMF code transmission speed; the default is 100 msec.

1 Enter Menu mode and access Menu 171.

```
DTMF          171
▶Speed
          100 ms
```

2 Select a speed (in msec) from the available list: 50/ 100/ 150.

■ Selecting a Pause Duration

You can change the pause duration stored in DTMF Memory channels; the default is 500 msec.

1 Enter Menu mode and access Menu 172.

```
DTMF          172
▶Pause
          500 ms
```

2 Select a pause duration (in msec) from the available list: 100/ 250/ 500/ 750/ 1000/ 1500/ 2000.

DTMF KEY LOCK

This function will lock the DTMF transmission keys so that they will not transmit if they are accidentally pressed while transmitting. To lock the DTMF keys, turn this function On.

1 Enter Menu mode and access Menu 181.

```
Lock          181
▶DTMF Keys
              Off
```

2 Set the key lock to "On" or "Off".