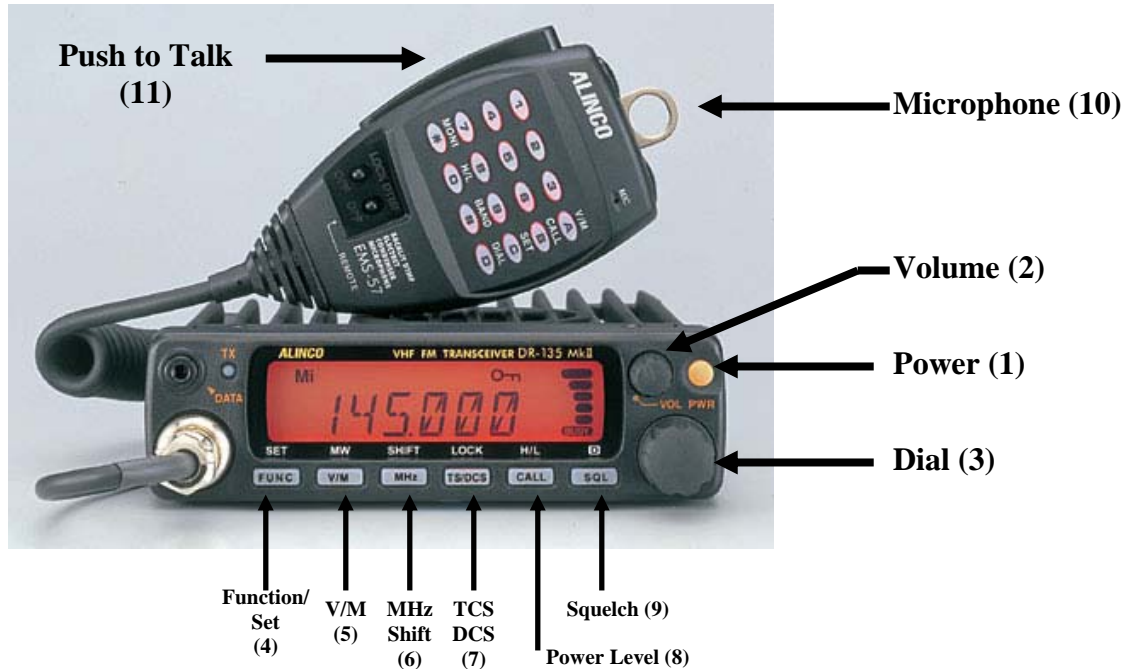
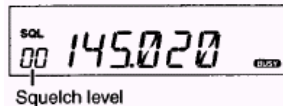


# Alinco DR-135T Quick Guide

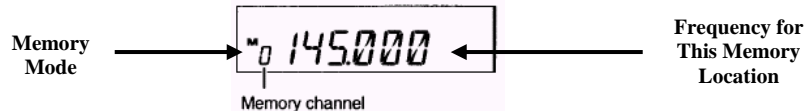


## Basic Operation:

1. Power on the radio by pressing the yellow **Power** button (1).
2. Adjust Volume level by turning the **Volume** knob (2) clockwise to increase volume, counterclockwise to decrease volume.
3. Adjust the **Squelch** setting:
  - a. Press and release the **Squelch** key (9). You should see a **SQL** icon on the left side of the display.
  - b. Under the **SQL** icon is a two digit number indicating the **Squelch Level**. The Squelch level may be adjusted anywhere between 0 (lowest setting) and 20.
  - c. Adjust the Squelch Level by rotating the main **Dial** (3). Start at the lowest Squelch Level and rotate clockwise until there is no noise from the speaker.



- d. To select and store the Squelch Level, press and release the **FUNC** key (4).
4. Most frequencies are pre-programmed into the radio's memory channels. To access the memory channels, press and release the **V/M** button (5).
  - a. An **M** icon will appear on the left side of the display to indicate the radio is in **Memory Mode**. Below the M is the Memory **Channel** number.
  - b. The display shows the **Frequency** that the radio is tuned to for that memory location. There may be additional information indicating repeater offset and CTCSS Tone for repeater operation appearing on the display.



- c. To select a different **Memory Channel**, rotate the **Dial** (3) clockwise to increase the channel number, counterclockwise to decrease the channel number. Using your frequency list, find the frequency that you will be using by scrolling through the Memory Channels.
  - i. If the Frequency that you will be using is not stored in one of the Memory Locations, go to "**Basic VFO Mode**".
5. When you have found the frequency desired in one of the pre-programmed channels: to transmit press and hold the **Push to Talk** button (11) on the **Microphone** (10). Release the Push to Talk button to receive.

## Basic VFO Mode for Repeater Operation

Note that VFO Mode is the default mode upon power-up of the radio.

If the repeater that you desire is not pre-programmed into the radio, you may use the VFO Mode to tune to the desired repeater. For Repeater operation, a few key pieces of information are required:

- **Repeater Output Frequency (e.g. 146.82)**
- **Repeater Offset and Direction (e.g. -0.600MHz)**
- **CTCSS or PL Tone (e.g. 103.5)**

If you do not have this information – **STOP** -- and try to obtain the information. If you do have this information, you may program the radio in VFO mode as follows:

1. Verify the radio is in VFO mode by checking that the memory mode **M** icon and **Channel Number** are not visible on the left side of the display.
  - a. If the radio is in Memory Mode, press and release the **V/M** key (5) until the **M** and **Channel Number** disappear from the display. It may take several presses of the key to get into VFO mode.
2. Rotate the main **Dial** (3) clockwise to increase the frequency, counterclockwise to decrease the frequency. Continue rotating the **Dial** (3) until you get to the desired **repeater output frequency**.
3. Set the **Repeater Offset and Direction**:
  - a. Press and release the **Function** key (4). You should see an **F** icon in the display.
  - b. Press and release the **MHz/Shift** key (6). The display will show the offset frequency and direction; the default is -0.600MHz, as shown below:



- c. To change the offset direction (from negative “-“ to positive “+”), press the **MHz/Shift** key (6) until the display shows the correct offset direction.
    - i. Note the standard frequency offset for 2 Meter repeaters is 0.600MHz. You should not have to adjust the **offset frequency**, only the **direction**.
  - d. Once the correct **Offset Direction** appears in the display, press and release the **Squelch** key (9) to save the setting in VFO mode. The display will return to the frequency.
4. Set the **Repeater CTCSS Tone**:
    - a. Press and release the **TS/DCS** key (7) until only the **T** is displayed. The display will show the current settings, as follows:

T 88.5 T/SQ 88.5 DCS 023  
The original status
    - b. With the **T** icon on the display only, rotate the **Dial** (3) until the desired **CTCSS Tone** is displayed (e.g. 103.5).
    - c. Once the correct **Tone** appears in the display, press and release the **Squelch** key (9) to save the setting in VFO mode. The display will return to the frequency.
  6. The transmit **Power Level** may be set to Low, Medium, or High as follows:
    - a. Press and release the **FUNC** key (4).
    - b. Press the **Power Level/CALL** key (8) to change the power level; each time you press the **Power Level/CALL** key (8) a different setting will appear. **Lo** will appear in the display for Low Power; **Mi** will appear for MID power; and no power indication icon will indicate High power.
    - c. Press and release the **FUNC** key (4) to save the Power Level setting.
  7. The radio is now programmed in VFO mode to use the desired repeater. To transmit press and hold the **Push to Talk** button (11) on the **Microphone** (10). Release the Push to Talk button to receive.

## Basic VFO Mode for Simplex Operation

Note that VFO Mode is the default mode upon power-up of the radio.

For Simplex operation, the only information required is the desired **Simplex Frequency**. If you have this information, you may program the radio in VFO mode as follows:

1. Verify the radio is in VFO mode by checking that the memory mode **M** icon and **Channel Number** are not visible on the left side of the display.
  - a. If the radio is in Memory Mode, press and release the **V/M** key (5) until the **M** and **Channel Number** disappear from the display. It may take several presses of the key to get into VFO mode.
2. Rotate the main **Dial** (3) clockwise to increase the frequency, counterclockwise to decrease the frequency. Continue rotating the **Dial** (3) until you get to the desired **simplex frequency**.
3. Set the radio for **Simplex Operation**:
  - a. Press and release the **Function** key (4). You should see an **F** icon in the display.
  - b. Press and release the **MHz/Shift** key (6). The display will show the offset frequency and direction; the default is  $-0.600\text{MHz}$ , as shown below:



- c. To change the offset direction (from the default setting of negative “-“ to **simplex**), press the **MHz/Shift** key (6) repeatedly until the display shows no offset icon (there should be no “-“ or “+” in the display).
    - d. Once the **Offset Direction** icon does not appear in the display, press and release the **Squelch** key (9) to save the setting in VFO mode. The display will return to the frequency.
4. The transmit **Power Level** may be set to Low, Medium, or High as follows:
  - a. Press and release the **FUNC** key (4).
  - b. Press the **Power Level/CALL** key (8) to change the power level; each time you press the **Power Level/CALL** key (8) a different setting will appear. **Lo** will appear in the display for Low Power; **Mi** will appear for MID power; and no power indication icon will indicate High power.
  - c. Press and release the **FUNC** key (4) to save the Power Level setting.
5. The radio is now programmed in VFO mode to use the desired simplex frequency. To transmit press and hold the **Push to Talk** button (11) on the **Microphone** (10). Release the Push to Talk button to receive.