

# CERT Communications Team Procedures

## Alinco DJ-191 QUICK REFERENCE

Revised 08/18/2000

CERT Comm, Fremont, CA.

### Initial Set-up

1. Press the **POWER** button located in the upper-left of the radio.
2. The **MONITOR** button, labeled **MON**, is the lowest button on the left side of the radio. Press and hold the **MONITOR** button. The word **BUSY** should appear on the screen and static should be heard. If someone's transmission is heard, rotate the knob on top of the radio until only static or silence is heard.
3. The **UP** and **DOWN** keys are located just above the display. Press the **UP** or **DOWN** key. The letters **VOL**, for *volume* appear on the screen. Press the **UP** or **DOWN** key repeatedly until the static is as loud as you want the actual received voice to be.
4. Release the **MONITOR** button.
5. The **FUNCTION** button, labeled **F**, is the upper-most button on the left side of the radio. When the **FUNCTION** key is pressed, the blue labels describe the keys. Press and hold the **FUNCTION** button.
6. Press the **UP** button. The letters **SQL**, for *scquelch*, appear on the screen.
7. If you hear static, press the **UP** key repeatedly until the static goes away. If you do not hear static, press the **DOWN** key until you do. Then press the **UP** key until the static goes away.
8. Release the **FUNCTION** button.

### To Receive and Transmit on a Pre-programmed Channel

1. Check to see if **M** is displayed. If not, press the **A** key (also labeled **V/M** for *VFO/Memory*).
2. Rotate the knob on the top right of the radio until the desired memory number and frequency are displayed.
3. Listen. If the frequency is not being used, press the **PUSH-TO-TALK** button. The **PUSH-TO-TALK** button is the largest button in the center of the left side of the radio. It is labeled **PTT** Take a breath and speak slowly and distinctly across the microphone. The microphone is located in the lower-right corner of the radio.

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### To Receive and Transmit on a Frequency Not Programmed

#### *Using Simplex*

1. If a **M** or **C** is displayed, press the **A** key (also labeled *V/M* for *VFO/Memory*).
2. If a **+** or **-** is displayed Press and hold the **FUNCTION** key (the top-most key on the left side of the radio, labeled **F**) and press the **2** key repeatedly until the **+** or **-** disappears. Release the **FUNCTION** key.
3. Key in all six digits of the desired frequency using the keypad. (NOTE: The last digit may be rounded up or down to the nearest *frequency step*. To change the *frequency step*, see the manual for the radio.) You may also change the frequency by rotating the dial on the top of the radio.
4. Listen. If the frequency is not being used, press the **PUSH-TO-TALK** button. The **PUSH-TO-TALK** button is the largest button in the center of the left side of the radio. It is labeled **PTT**. Take a breath and speak slowly and distinctly across the microphone. The microphone is located in the lower-right corner of the radio.

#### *Using a Repeater*

1. Have the following information about the repeater available:
  - a) *Output frequency*
  - b) If positive or negative *offset* is used
  - c) If a *tone* (PL) is required, and if so, the *tone frequency*.
2. If a **M** or **C** is displayed, press the **A** key (also labeled *V/M* for *VFO/Memory*).
3. Key in all six digits of the repeater *output frequency* using the keypad. (NOTE: The last digit may be rounded up or down to the nearest *frequency step*. To change the *frequency step*, see the manual for the radio.)
4. Press and hold the **FUNCTION** key (the top-most key on the left side of the radio, labeled **F**). Press the **2** key repeatedly until either **+** for positive *offset* or **-** for negative *offset*, appears. (The **2** key is also labeled **SHIFT**, another name for *offset*.)
5. Release the **FUNCTION** key.

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6. The *offset frequency* **0.60** should be displayed. If not, rotate the knob on the top of the radio until it is.
7. Press ***PUSH-TO-TALK*** briefly to exit 'offset set mode'. The ***PUSH-TO-TALK*** button, labeled ***PTT***, is the largest button in the center of the left side of the radio.
8. If a *tone* (PL) is required, press and hold the ***FUNCTION*** button, then press the **4** key. (The **4** key is also labeled ***T SQL*** for *Tone Squelch*.) Release the Function button. A **■** is displayed. Rotate the knob on top of the radio until the proper *tone frequency* is displayed. Press ***PUSH-TO-TALK*** briefly to exit 'tone set mode'.
9. Listen. If the frequency is not being used, press the ***PUSH-TO-TALK*** button. Take a breath and speak slowly and distinctly across the microphone. The microphone is located in the lower-right corner of the radio.