

FT-891 Quick Manual

RF/SQL knob

Rotate this knob counterclockwise. ➡ The background noise and the system gain will be reduced.

- Rotate the knob slightly counterclockwise to the point where the “stationary” meter indication is set just about the same as the incoming noise level.
- This control may be changed to function as the squelch control by selecting “SQL” on Menu Mode “05-05 [RF/SQL VR]”.

AF Knob

The (inner) AF knob adjusts the receiver audio volume level of the internal or external speaker. Clockwise rotation increases the volume level.

MULTI function knob

- **Adjusts the operating frequency of VFO-A in 500 kHz Steps (except for AM and FM mode)**

Repeatedly press this knob momentarily until the “A” is displayed. ➡ Rotate this knob.

- **Adjusts the operating frequency of VFO-B**

Repeatedly press this knob momentarily until the “B” is displayed. ➡ Rotate this knob.

- **Operates the [A]/[B]/[C]/[CLAR] key function**

The default assignment of the [A] key is the IF SHIFT function. Press the [A] key. ➡ IF SHIFT pop-up screen appears ➡ Rotate this knob to Adjust the DSP filter passband.

- Press and hold this knob to restore the IF SHIFT setting to the factory default.

- **Selects the Desired memory channel**

When the “MEMORY CHANNEL” list screen is displayed, the desired memory channel can be selected by rotating and pressing this knob.

- **Switches the function ON or OFF through the “Setting/Function” Modes**

Rotate this knob to operate “Setting/Function” Modes are displayed by pressing [F] key.

- Menu Selection (Rotate this knob)
- Switching the function ON or OFF (Press this knob)
- Changing setting values (Press this knob and rotate it)

- **Changes the Menu Mode setting values**

[PWR/LOCK] key

Press and hold this key. ➡ Turns the transceiver ON or OFF.

Briefly press the key while the transceiver is ON. ➡ this key toggles the MAIN DIAL knob lock ON/OFF.

MAIN DIAL

Rotate this knob clockwise to increase the operating frequency and rotate it counterclockwise to decrease the operating frequency.

- Pressing the [FAST] key will change the tuning of the MAIN DIAL to a higher step rate.
- Pressing [PWR/LOCK] key briefly will engage or release the DIAL knob lock.

[CLAR] key

Press this key. ➡ Rotate the MULTI function knob ➡ Adjust the VFO-A RX clarifier offset value up to ±9.998 kHz.

This feature is ideal for following a drifting station, or for setting the small frequency offsets sometimes utilized in DX “Split” work.

- The clarifier offset value (frequency) can be restored to “0 (zero)” by pressing the MULTI function knob for more than one second.

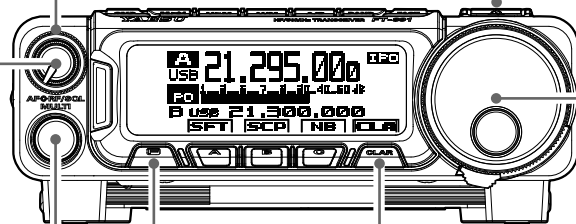
[F] key

Press this key. ➡ Switch through the “Setting/Function” Modes as follows

➡ **FUNCTION-1** ➡ **FUNCTION-2** ➡ **CW SETTING** ➡

- Select the desired function from the “Function/Setting” Mode, and then press the MULTI function knob to switch the function ON or OFF.
- Assigns “Function/Setting” Modes to the [A]/[B]/[C] keys, rotate the MULTI function knob to select the desired function on the “Setting/Function” Mode, and then press and hold the [A]/[B]/[C] key.
- FM SETTING, REC SETTING and ATAS SETTING function screens may be enabled via Menu mode “05-10”, “05-11” or “05-12”.

Press and hold this key. ➡ Activating the Menu Mode.



[QMB] key

Press and hold this key for more than one second to write the frequency and the data presently set for VFO-A onto the quick memory bank (QMB).

- Once all 5 QMB memories have data on them, previous data will be over-written on a first-in, first-out basis.
- 5 QMB memory channels are provided. Press this key briefly to recall the data written onto the quick memory banks (QMB) one by one.
- To change the frequency in the recalled quick memory bank (QMB), rotate the MAIN DIAL.

[M▶V] key

This key will copy the saved data from the written memory channel to VFO-A.

Press this key. ➡ The "MEMORY CHANNEL" list screen is displayed. ➡ Press the **MULTI** function knob to select the desired channel ➡ Press this key. ➡ The currently selected memory channel data is copied to VFO-A.

[V▶M] key

This key is to save the data from VFO-A to the memory channel.

Press this key. ➡ The "MEMORY CHANNEL" list screen is displayed. ➡ Press the **MULTI** function knob to select the desired channel. ➡ Press this key. ➡ The current operating data is copied to the selected memory channel.

- When the "MEMORY CHANNEL" list screen is displayed, press the [A]/[B]/[C] key to edit the selected memory channel.

[V/M] key

This key toggles frequency control between the VFO and the memory systems.

- When the memory channel data is recalled, the Memory channel number is displayed like "001". The previously selected Memory Channel is recalled.
- Rotate the **MULTI** function knob to change the memory channel number.
- While operating on a memory channel, Rotate **MAIN DIAL**. ➡ the "Memory Channel Number" will be replaced by the MEMORY TUNE indicator "MT".
"MT" indicates that the operating frequency in the Memory Channel is temporarily changed.
Press [V/M] key in this state. ➡ Previous memory channel data is restored.

[A/B] key

Press this key. ➡ The frequency and memory channel data, of VFO-A and VFO-B are exchanged.

Press and hold this key. ➡ The frequency and data values of VFO-A are copied to VFO-B.

[BAND(MODE)] key

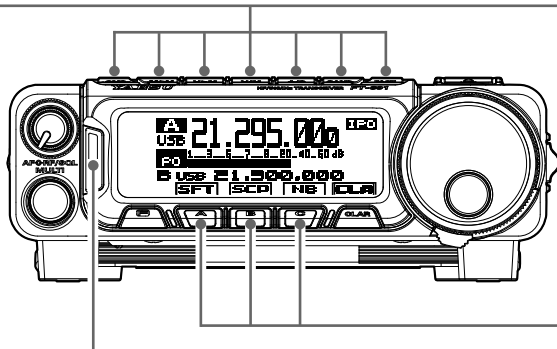
Press this key. ➡ The "BAND SELECT" screen will appear in the display. ➡ Rotate the **DIAL** knob to select the desired frequency band (operating band). ➡ The selected frequency band is set automatically in one second and the display returns to normal operation.

Press and hold this key. ➡ The "MODE SELECT" screen will appear in the display. ➡ Rotate the **DIAL** knob to select the radio modulation form (operating mode). ➡ The selected mode is set automatically in one second and the display returns to normal operation.

[FAST] key

Pressing this key will change the tuning of the **MAIN DIAL** to a higher step rate.

Press this key. ➡ "FAST" is displayed. ➡ The main dial frequency tuning rate doubles.



TX/BUSY Indicator

The Indicator glows green: On receiving signals while the squelch opens.

The Indicator glows blue: While Zeroing during CW mode.

On receiving a signal with a CTCSS/DCS tone matching the squelch tone code setting of the transceiver.

The Indicator glows red: When transmit is engaged.

[A]/[B]/[C] keys

These three keys are user programmable, allowing quick access to often used features.

- [A]/[B]/[C] keys are assigned the following functions as default settings:

- [A] (SFT): IF SHIFT function

IF SHIFT permits moving the DSP filter passband higher or lower, without changing the pitch of the incoming signal, and thus reduces or eliminates interference.

Press this key ➡ The IF SHIFT screen will appear in the display ➡ Rotate the **MULTI** function knob to the left or right to reduce interfering signals.

Press and hold the **MULTI** function knob to restore the IF SHIFT setting to the factory default.

- [B] (SCP): The SCOPE function

The SCOPE function provides a spectrum display of the band conditions.

Press this key. ➡ the band condition (spectrum) is displayed.

When the SCOPE function is active, the [A]/[B]/[C] keys are automatically changed to the below operations.

[A](SPN) key: This key changes the displayed bandwidth. Available selections are 750 kHz, 375 kHz, 150 kHz, 75 kHz, or 37.5 kHz ranges.

[B](SWP) key: Each time the [B](SWP) key is pressed, a new scan of the spectrum scope is shown on the LCD display.

[C](LV1-3) key: This key changes the reference level.

- While the Spectrum Scope is activated, Press the **MULTI** function knob, and then rotate it to adjust the operating frequency tuning steps of VFO-A by the 500 kHz.

- [C] (NB): Noise Blanker function

The IF Noise Blanker can significantly reduced noise that is caused by automotive ignition systems.

