

TEN TEC R4020 CW TRANSCEIVER CHECK LIST

Size: 5.7" x 3.7" x 1.4"

Freq Range Receive: 5-16 MHz

Key/Paddle: Uses 3.5mm plug. *Tip* for paddle dot. *Center ring* for paddle dash or Key ground connection.

Back sleeve for paddle ground or Key ground.

Connect paddle back sleeve and center ring together for Key.

OPERATION:

When you turn rig on, "A" for Paddle connected- "M" for Key connected

V/M/SAV Button

Alternates between VFO and MEMORY modes.

The TUNING KNOB changes memory locations in MEM mode or VFO.

Press V/M/SAV button for 2 seconds and LCD screen will display SAVE. Current VFO freq/mode will be saved in the Memory Location selected.

RIT/MOD Button

Click to enter or exit RIT function.

A dash to the right of the frequency display shows you are OUT of RIT mode.

When IN the RIT mode, turning the MAIN TUNING knob tunes UP or DOWN.

To change modes, hold the RIT/MOD button down for 2 seconds for CW to USB to LSB and to CW again. Hold for 2 seconds for each change.

ATT/IF Button

Click on/off to activate ATT. When on, the S changes to A.

Press and hold button for 2 seconds to enter/exit IF band width change mode.

While in the IF bandwidth change mode, press the ATT/IF button to change bandwidth. Press button for 2 seconds to exit. (Auto exit will occur in a few seconds.)

Change Frequency Tuning Steps

In the *receive mode*, press Tuning Knob to change to 100KHz or 1 KHz (in RIT mode this changes to 10 KHz and 100KHz). A momentary underscore on the display will indicate the change is being made.

If you press the Main Tuning knob for 2 seconds, the tuning step will be 100 KHz. (This can not be used when in RIT mode.)

Frequency Locking Function

To LOCK or UNLOCK the Main Tuning Knob, press/hold the V/M/SAV and RIT/MOD *at the same time* for about 1 second. In the LOCK mode, a (#) will be displayed next to the frequency shown.

Automatic Key Functions

Automatically Call CQ

Press the CQ/SET button lightly to send “CA CQ CQ DE (Your Call)” three times followed by “PSE K”

To cancel CQ at any time press CQ/SET for 1 second at any time during the CQ.

To Change Speed

Press CQ/SET for ~2 seconds and the letter “S” will sound...release button. Then within 5 seconds, push the paddle on the DOT side to increase keyer speed. Press DASH side to decrease keyer speed. When finished, lightly press CQ/SET and you will hear letter “E”.

To Enter Your Call Sign

Press CQ/SET for 2 seconds. You will hear “S” but continue to hold button to hear “I”...release button. Send your call sign with the paddle. When done, lightly press CQ/SET button to hear “E”. (If you just wait after you call sign it will also automatically exit.)

To Turn Off CQ Function

Press CQ/SET for ~ 2 seconds and hear “S”, then “I”, then “C”. Release button. Push paddle on DASH side to turn the CQ Function OFF (Hear “OFF”)

To Restore CQ Function

Press CQ/SET for ~ 2 seconds and hear “S”, then “I”, then “C”. Release button. Push paddle on DOT side to turn the CQ Function ON. (Hear “OFF”)

Transmitting

The letter “S” for S-Meter is replaced with a “P” for power and every 3 bars = 1 watt output power.

Tune Function with Paddles

Turn rig off...hold DASH paddle closed... turn rig on. You will hear “M”. Press DOT side of paddle for continuous signal. To end, turn rig off...then turn ON to resume normal operation.