

YOUKITS DIG 40 QRP TRANSCEIVER

OPERATING MANUAL



This 40m only Digital model QRP transceiver can work on FT8, FT4, JT65, PSK31 and SSTV etc connecting with computer(PAD) and related APP.

Specification

Size: 88x38x104mm (knob excluded)

Weight: 280g

Voltage: 10-14VDC

Power consumption: RX<40mA, TX=700-800mA (12VDC)

Freq: 7.0-7.2Mhz

Filter: USB 400-2800Hz

Output: 4-5V (12VDC)

Memory x 3: 7.0475 (FT4) 7.074(FT8) 7.076(JT65)

Sound lever controlled, audio voltage around 30mVp, full output audio voltage about 80mVp

Connection



Power connection: Any DC power 10-14V, 1A connect to power jack.

Antenna: Well tuned antenna connect to "ANTENNA", use Antenna tuner if needed.

Computer connection: Connect DATA out to MIC IN of computer, DATA in to headphone of computer.

Operating



PWR = Power on

Freq memory switch, press red "F" button to switch between A B C memory point. Keep press "F" for over 2 second, the green indicator will be flashed and this will be the default memory while power up.

Transmitting

Trigger by DATA in audio signal, audio level higher than 30mVp, the red indicator "T" lighting up, it is in transmitting, the indicator lighting level increased while output power higher up.

Computer setup

Please set MIC Gain on computer to Maximum, adjust it in APP or software if showing mic gain is too high.

Frequency memory adjustment



You will need a frequency counter to do the memory adjustment. Open the top cover, power on, switch to the memory spot that you are going to do the adjustment by press F, push the setup button for over 2 second, now the green indicator in flashing, now use your frequency counter to test above test point, the counter reading is the working frequency, press F to increase 0.5KHz, press the setup button to decrease 0.5KHz, press F when finished and keep press for 2 second, now the indicator is stop flashing, after another 2 second indicator keep on after flashing, now the adjustment is finished.