

Description:

This is a shortwave QRP SSB/CW transceiver. It boasts 1602 screen, equipped with charger, built-in mic, built-in speaker! It can be connected to an automatic key, and can be decoded by cw.

Features:

- 8 band coverage 80m/60m/40m/30m/20m/17m/15m/10m and can reach 3-5W power in 8 bands and reserve TO-220/SMD(ILRI2060) pads required for upgrades.
- High emission efficiency, 80m/60m/40m/30m/20m efficiency is higher than 85%,/17m/15m efficiency is higher than 80%,10m efficiency is higher than70% and frequency accuracy is better than 1ppm,frequency stability is better than 0.5ppm.
- Independent main board and RF board to avert own signal interference, and small enough to fit even in your pocket and easy to travel with.
- It has I/Q output pin header on printed circuit board which can be extended with a 3.5 mm jack cord to connect a PC soundcard audio line input to decode with various software as any dongle.
- It has a PTT OUT jack driven with a Solid State opto coupled relay capable of driving 500 mAh relays for example an external RF Power Amplifier relay directly.
- DSP features:AGC(Automatic Gain Control),NR(Noise-reduction),VXO(Voice-triggered Xmit),ATT(Attenuators),TX noise gate,Tx drive control,volume control,dBm/s-meter.
- SSB opposite side-band/carrier suppression Transmit:better than -45dBc, IMD3 (two-tone) -33dBc,Receive:better than -50 dBc.
- Multiband support,continuously tunable through bands 160m-10m(and from 20kHz..99MHz with loss in performance).
- Software-based VOX that can be used quick FullBreak-IN(QSK and semi-QSK operation) or assist in RX/TX switching for operating digital modes(no C-AT or PTT interface required),external PTT output/PA control with TX-delay.
- Fully digital and software-based SSB transmit-stage:samples microphone-input and reconstruct a SSB-signal by controlling the phase of the SI5351 PLL(through tiny frequency changes over 800kbits I2C) and the amplitude of the PA (through PWM of the PA key-shaping circuit).
- Three independent switchable analogs front-end receiver attenuators(0dB,-13dB,-20dB, -33dB, -53dB,-60dB,-70dB).

Specifications:

Material: Aluminum

Plug: EUPlug, USA plug (optional)

Working voltage: 9-13.8V (maximum 15V, but not recommended, and the transmission power will drop below 13.8V)

Mode support: USB, LSB, CW, AM, FM

DSP filter: 4000,2500,1700,500,200,100,50 Hz passband

Receiver noise floor MDS:-135dBm at 28MHz(in 200Hz BW)

Blocking dynamic ranges: 20kHz offset 123dB,2kHz offset 78 dB

Package size: 265 * 153 * 90mm / 10.4 * 6.0 * 3.5in

Package weight: 698g / 1.5lb

Note :

1. It is not built-in battery,.
2. AM/FM is defined as a gift function, please know that before you order it.

Packing list:

- 1 * Transceiver
- 1 * Microphone
- 1 * Adapter (Optional)
- 3 * Wrench