**GENERAL**

Frequency range, Two Band model TRX2: RX: 2 MHz...8 MHz, TX: 2 MHz...8 MHz.

Frequency range, All Band model TRX2A: RX: 100 kHz...30 MHz, TX: 1.8 MHz...30 MHz.

Tuning step sizes: 10 Hz, 100 Hz (10 kHz @ very fast setting).

Modes: LSB, USB, CW.

VFOs: A and B VFOs with split function, one tuning knob.

Front panel connector: Jack stereo connector 3.5 mm for electret mic input or line level input (selectable by the CONFIG) and PTT.

Rear panel connectors: Phones/speaker output, CW-paddle/key/keyer input, RS232, AUX: PTT in (grounding input) and KEY output (open drain output max 0.2 A). Alternatively AUX is configurable to audio I and Q outputs for PC audio card. All connectors 3.5 mm stereo jack type sockets.

Antenna connection: BNC connector in the rear panel, nominal impedance 50 ohms.

Display: Blue/white LCD with adjustable contrast and brightness. Main display: S meter, MODE, FILTER, frequency, VFO, VFO step. Alternate display pages: RF output power, SWR, supply voltage, PA drain current.

General configurable functions: LCD contrast, LCD brightness, RS232 protocol select.


Software updating: HEX files can be uploaded by means of the boot loader via RS232 interface.

Supply: Voltage 13.8 V (11 V...15 V) Current TX 2.5 A typical, RX 0.35 A typical, depending on the LCD brightness.

Dimensions & Weight: Width 182 mm, height 60 mm, depth 185 mm. Weight 1.7 kg

*Specifications subject to change

**RECEIVER**

Sensitivity: Typical -130 dBm

IMD3 dynamic range: More than 100 dB typical.

S-Meter: Graphical LCD bar display, S9 = 50 µV, range S1...S9+40 dB (-121 dBm...-33 dBm).

Filters: Three adjustable filters, default bandwidths 2.3 kHz, 1.7 kHz and 700 Hz. Filters are independent of the transmit modes.

RIT: Tuning range ± 1 kHz. Separate RIT knob.

Image and IF rejection: No image frequency response, no IF frequency response (baseband demodulation).

Configurable RX functions: Slow/fast AGC, adjustable filters, squelch function (alternative function of the CW speed knob).

**TRANSMITTER**

Output Power: Nominal 10 W

SSB transmit bandwidth: Nominal 2.4 kHz

SSB carrier suppression: Typically better than 60 dB.

MIC/PTT: 3.5 stereo mm jack mic connector with electret excitation voltage via 1 kohm (tip), PTT 1 mA (ring). Ext. PTT in rear panel (AUX).

Speech processor: Microphone audio processing with 6 dB/oct high frequency pre-emphasis.

Integrated keyer: Types: Dot priority/Iambic A/Iambic B/Straight. Speed 6 wpm ...60 wpm, adaptive VOX hold time with the CW speed.

CW Rise/Fall Time: Nominal 5 ms, symmetrical rise and fall shapes.

CW sidetone/shift: Adjustable 300 Hz-1100 Hz. Sidetone volume is tracking with the AF gain.


**OPTIONS**

TRX2-VM Voice Memory, JUMA KB1 External Keyboard