



## 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.

**Service mode functions:** Frequency, voltage meter, S meter, FWD/REV power, ID current calibration. Acknowledge beep settings. Factory settings restore.

**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 uV, 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  $\pm 1$  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.

**Configurable TX functions:** Speech processor ON/OFF. AF input mic/line selection. Keyer types: Dot priority, Iambic A, Iambic B and straight.

## OPTIONS

TRX2-VM Voice Memory, JUMA KB1 External Keyboard