

ZETTL JPX-20 SSB

Handheld HF Transceiver - All Modes - 10W - 14-30 MHz

High performance shortwave handheld transceiver for amateur radio operators. Ready for immediate use thanks to the integrated telescopic antenna. Lightweight, compact dimensions, and easy to operate.

- 20m/17m/15m/12m/10m
- AM/FM/CW/SSB + FT8
- Transmit power 1/5/10 W selectable
- Frequency stability 0.5 ppm
- Li-Ion battery capacity up to 52 Wh
- Weight 0.5 kg
- Dimensions 4 x 7 x 20 cm
- Clear modulation in all operating modes
- Simple, intuitive operation

- FM: Repeater operation and CTCSS
- Squelch and scan function
- RIT for SSB/CW
- CW semi-break-in and 500 Hz filter
- Receiver current draw typ. 45 mA
- Receiver sensitivity better than 1 μ V
- Transmitter current draw max. 1.6 A
- Genuine S-meter with 6 dB steps
- Permanent voltage display
- Acoustic warning in case of undervoltage
- RJ45 socket for external microphone/speaker
- 50 Ohm jack (RCA) for external antenna
- Internal telescopic antenna with ATU
- Battery charging via 3.5mm DC jack
- VFO knob with slight detents, also lockable
- Tuning steps 10 Hz ... 50 kHz
- Software-defined radio, start-up time 0.2 s



SPECIFICATIONS

GENERAL

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| Type: | Amateur HF Transceiver |
| Amateur Band coverage: | 20 m Band: 14.000 ... 14.350 MHz 17 m Band: 18.068 ... 18.168 MHz 15 m Band: 21.000 ... 21.450 MHz 12 m Band: 24.890 ... 24.990 MHz 10 m Band: 28.000 ... 29.700 MHz |
| Tuning steps: | 10 Hz, 100 Hz and 1 ... 50 kHz in 1 kHz steps |
| Frequency stability: | ±0.5 ppm @ -10° to +60°C (14° to 140°F) |
| Modes: | AM / FM / LSB / USB / CW / DATA |
| FM repeater shift / CTCSS: | -100 kHz / 67.0 ... 250.3 Hz |
| Power supply: | 13.8 ... 16.8 V (internal 4x 18650 Li-Ion battery) |
| Current draw / power consumption: | Receive: 45 mA @ 13.8 V (50% audio) Transmit: Max. 1.6 A @ 13.8 V |
| Antenna impedance / connector: | 50 Ohm / RCA |
| Dimensions (W × H × D): | 70 × 200 × 40 mm (2.8 × 7.9 × 1.6") |
| Weight: | 0.5 kg (1.1 lb), including internal battery and antenna |
| Other features: | Internal telescopic antenna (1.42 m / 56") with internal ATU Automated FT8 propagation check scheme Display can be rotated to suit any wearing position |

RECEIVER SECTION

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|------------------------------------|----------------------------------|
| Receiver system: | SDR I/Q |
| Sensitivity: | Better than 1.0 µV (12 dB S/N) |
| Squelch sensitivity: | 0.4 µV |
| AF output power / speaker: | 800 mW at 10% distortion / 8 Ohm |
| External speaker connector: | RJ45 |

TRANSMITTER SECTION

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| RF output power: | Up to 10 W PEP @ 13.8 V with internal Li-Ion battery |
| Modulation system: | SDR I/Q |
| Max. FM deviation: | ±2.2 kHz |
| Spurious emissions: | Less than -43 dB |
| Microphone impedance / connector: | 2.2 kOhm with 3.3 V electret bias / RJ45 |
| Microphone input level: | 10 mV peak-peak |

MISCELLANEOUS

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|-------------------------------|---|
| Manufacturer: | ZETTL, Stockach, Germany |
| Options / Accessories: | ZFX-250 Speaker-microphone with rotary clip ZFX-320 Carrying pouch with Molle system, grey-green ZFX-520 Li-Ion battery pack. 14.4 V, 3600 mAh (52 Wh) ZFX-1000 Spare telescopic antenna (1.42 m / 56") ZFX-1200 Rugged slide-on blade antenna (82 cm / 32") ZFX-3000 External tune-free antenna 20-30 MHz |