263 Walsall Road, Great Wyrley, Walsall, WS6 6DL
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Tel: **01922 414 796** Fax: **01922 417829** Skype: **radioworld_uk**

Second Hand Yaesu FTDX5000MP HF Base Station Transceiver

£2,099.00

DESCRIPTION

Second Hand Yaesu FTDX5000MP HF Base Station Transceiver, The FTDX5000MP Series HF/50 MHz 200 Watt Transceivers are a Premium Class of Yaesu radios with 2 Independent Receivers plus many unique options and accessories designed to meet the Performance Requirements of even the most demanding serious ham Radio operator.FT DX 5000MP / SM-5000 Station Monitor – Included300 Hz Roofing Filter – Included±0.05ppm OCXO – Included. Rugged 200 Watt Output PowerThe FTDX 5000 robust and high-power Final Amplifier Stage incorporates two super reliable FET, VRF-150 (Drain-Source Voltage 170 V/Gate Source Voltage ±40 V,Total Device Dissipation 300 W) in a push-pull configuration, offers solid 200 W output (75 W Class A operation).Internal Power Supply:All three FTDX 5000 Series radios have their own built-in power supplyTWO Totally Independent ReceiversAll FTDX 5000 Transceivers include Two (2) Totally Independent Receivers to give you Performance and Flexibility previously onlyprovided by much more expensive radios.SUPERB 3rd-Order Dynamic Range & 3rd-Order Intercept Point (IP3)SSB (2.4kHz BW)10 kHz SEP.:106 dB, IP3 +40 dBmCW (500Hz BW)10 kHz SEP:112 dB, IP3 +40 dBm2 kHz SEP. :105 dB, IP3 +36 dBm1 kHz SEP. : 99 dB, IP3 +25 dBm*VFO-A/Main Receiver @ 14 MHz, IPO1 Super Sharp “Roofing” FiltersSuper sharp “Roofing” filters for VFO-A/Main Receiver.Filters are Selectable between *300 Hz, 600 Hz, 3 kHz (6-pole crystal filter), 6 kHz, 15 kHz (4-pole MCF) *300 Hz filter is optional for FTDX 5000 and FTDX 5000D. It is included in the FTDX 5000MPHigh Performance Yaesu Custom-designed 32-bit Floating Point DSPThe legendary high performance Yaesu Custom-designed 32-bit Floating Point DSP based on the TI TMS320C6727B (@300 MHz),one EACH for VFO-A and VFO-B.Variable CW Audio Peak Filter & High/Low-Cut FilteringVariable CW Audio Peak Filter, and High/Low-Cut filtering created through the very latest in DSP technology.- CW Width: 50/100/150/200/250/300/350/400/450/500 Hz- CW Pitch Frequency: 300~1050 Hz (10 Hz Steps)True Analog Meter PrecisionEnjoy the same Huge Size Metering System as the FT DX 9000 series with True Analog Precision and Instant Reaction Time.Function Displays for Ease of OperationThree Electro Luminescence clear Displays included for easier operation and control of the Sub-Frequency, Graphical Wave and Menufunction.IF Output AvailableIF Output (9 MHz) from VFO-A/Main

ReceiverPractical Level Indication System for Most Important SettingsThe FTDX 5000 provides loads of practical Level Indication that clearly show settings of Mic-Gain / RF Power / CW-Pitch / KeyerSpeed / Processor Level / VOX Delay Time / Break-In Delay Time. -They can be controlled ON/OFF independently!Introducing the SM-5000 Station Monitor BandscopeIf you need a good Bandscope to enhance your operations, you are going to love our all-SM-5000 matching station monitor.Included with the Bandscope is a complete, enhanced stereo speaker system with superb audio quality - the speakers are point atyou instead of up into the air above the radio!Other Valuable Options:- Yaesu Data Management Unit DMU-2000, and utilize its powerful Audio Scope, Oscilloscope, Spectrum Scope, logging, and RotatorControl capabilities using your own personally selected and purchased computer display monitor.- Yaesu External Fully-Automatic Micro-Tuning Units. Three modes available: A (160 m Band), B (80 & 40 m Bands), C (30 & 20 mBands)General:Rx Frequency Range: 30 kHz - 60 MHz (operating)1.8 - 29.7 MHz, 50 - 54 MHz (specified performance, ham bands only)Tx Frequency Ranges: 1.8 - 29.7 MHz, 50 - 54 MHz (ham bands only)5.16750MHz, 5.33200MHz, 5.34800MHz,5.36800MHz, 5.37300MHz, 5.40500MHz (USA version only)Frequency Stability: ±0.05 ppm (MP version, after 1 minute @+14 °F ~ +140 °F [–10 °C ~ +60°C])±0.5 ppm (after 1 minute @+14 °F ~ +140 °F [–10 °C ~ +60 °C])Operating Temperature Range: +14 °F ~ +140 °F (–10 °C ~ +60 °C)Emission Modes: A1A (CW), A3E (AM), J3E (LSB, USB), F3E (FM),F1B (RTTY), F1D (PACKET), F2D (PACKET)Frequency Steps: 1/5/10 Hz (SSB,CW, & AM), 100 Hz (FM)Antenna Impedance: 50 Ohms, unbalanced16.7 - 150 Ohms, unbalanced (Tuner ON, 1.8 - 29.7 MHz ham bands)25 - 100 Ohms, unbalanced (Tuner ON, 50 MHz ham band)Power Consumption: Rx (no signal) 70 VA(@117 VAC) Rx (signal present) 80 VATx (200 W) 720 VASupply Voltage: AC 90 V - AC 264 VDimensions (WxHxD): 18.2” x 5.3” x 15.3” (462 x 135 x 389 mm) w/o knob andconnectorWeight (approx.): 46.3 lbs (21 kg)TRANSMITTER:Power Output: 10 - 200 watts (CW, LSB, USB, FM, RTTY, PKT)5 - 50 watts (AM carrier)10 - 75 watts (Class A: LSB, USB)Modulation Types: J3E (SSB): Balanced,A3E (AM): Low-Level (Early Stage)F3E (FM): Variable ReactanceMaximum FM Deviation: ±5.0 kHz/±2.5 kHzHarmonic Radiation: Better than –60 dB (1.8 - 50 MHz ham bands)SSB Carrier Suppression: At least 60 dB below peak outputUndesired Sideband Suppression: At least 60 dB below peak outputAudio Response (SSB): Not more than –6 dB from 300 to 2700 Hz3rd-order IMD: –31 dB @14 MHz, 100 watts PEP–40 dB @14 MHz, Class A: 75 watts PEPBandwidth: 500 Hz (CW)3.0 kHz (LSB, USB)6.0 kHz (AM)16 kHz (FM)Microphone Impedance: 600 Ohms (200 to 10 k Ohms)RECEIVER:Circuit Type: VFO-A; Double-conversion superheterodyneVFO-B; Triple-conversion superheterodyneIntermediate Frequencies: VFO-A; 9 MHz /30 kHz (24 kHz for AM/FM)VFO-B; 40.455 MHz/455 kHz /30 kHz (24 kHz for AM/FM)Sensitivity: SSB (2.4 kHz, 10 dB S+N/N)2 μV (0.5 - 1.8 MHz, IPO1)0.2 μV (1.8 - 30 MHz, AMP2)0.125 μV (50 - 54 MHz, AMP2)AM (6 kHz, 10 dB S+N/N, 30 % modulation @400 Hz)6 μV (0.5 - 1.8 MHz, IPO1)2 μV (1.8 - 30 MHz, AMP2)1 μV (50 - 54 MHz, AMP2)FM (BW: 15 kHz, 12 dB SINAD)0.5 μV (28 - 30 MHz, AMP2)0.35 μV (50 - 54 MHz, AMP2)There is no specification in frequency ranges not listed.Squelch Sensitivity (AMP2): SSB/CW/AM2 μV (0.1 - 30 MHz)2 μV (50 - 54 MHz)FM1 μV (28 - 30 MHz)1 μV (50 - 54 MHz)There is no specification in frequency ranges not listed.Selectivity (–6/–60 dB): Mode –6 dB –60 dBCW 0.5 kHz or better 750 Hz or lessLSB, USB 2.4 kHz or better 3.6 kHz or lessAM 6 kHz or better 15 kHz or lessFM 12 kHz or better 30 kHz or lessImage Rejection: 70 dB or better (1.8 - 29.7 MHz ham bands, VRF: ON)60 dB or better (50 MHz ham band)Maximum Audio Output: 2.5 W into 4 Ohms with 10% THDAudio Output Impedance: 4 to 8 Ohms (4 Ohms: nominal)Conducted Radiation: Less than 4000 μμWshown with station monitor top-mounted!