Tx Frequency Ranges:
Frequency Stability:
Operating Temperature Range:
Emission Modes: Frequency Steps: Antenna Impedance: Power Consumption: Rx Frequency Range: Supply Voltage: Dimensions (WxHxD): 30 kHz. 56 MHz (operating)
160 - 6 m (specified performance,
Amatisus trands only)
160 - 6 m (Amatisus bands only)
160 - 6 m (Amatisus bands only)
14 FF - 122 FF (-10° C, -56° C)
A1A (CMV), A3E (AM), J3E (LSB, USB),
F3E (FM)
10 Hz (SSB & CW), 100 Hz (AM & FM)
50 Ohms, unbalanced
TX (100 W) 25 C MT (100 W)
7.9 B (3.6 Kg) Wio ATU-450
7.9 B (3.6 Kg) Wio ATU-450 Circuit Type: Double-conversion superhearedyne Intermediate Fequencies: Ist IF 67,900 MHz / 2nd IF 24 Htz Sensitivity (IPO "OFF", ATT: OFF): SSB (2.4 Htz. 1 to BIS - NIN) SSB (2.5 Htz. 1 to BIS - NIN) SSB (2.5 Htz. 1 to BIS - NIN) (2.5 Htz. 1 to BIS -

Weight (approx.):

Fower Output:

| Modulation Typess: | ASE (ASE): Balanced; | ASE (SSE): Balanced; | ASE (ASE): Balanced; | ASE (ASE): Balanced; | ASE (AME): Low-Level (Early Singe); | FSE (FMI): Variable Reactance | ASE (AME): Low-Level (Early Singe); | ASE (AME): ASE (AME): | ASE (AME): ASE (ASE): | ASE (AME): | ASE (ASE): | ASE (

FM (BW: 15 kHz, 12 dB SINAD)
0.50 µV (28 - 30 MHz)
0.50 µV (50 - 54 MHz)
There is no specification in frequency ranges not listed.

Squelch Sensitivity: (IPO "OFF", ATT: OFF) SSB/CW/AM 2.50 μV (1.8 - 30 MHz) 1.00 μV (50 - 54 MHz)

Š 0.32 μV (28 - 30 MHz) 0.16 μV (50 - 54 MHz)

There is Selectivity (–6/–60 dB):

Image Hejection

re is no specification in frequency ranges not listed.

Mode

Mode

A B B 20 Hz or better

COM 0.5 Hz or bette

Maximum Audio Output: Audio Output Impedance: Conducted Radiation: fications are subject to change without sncy range will vary according to transceiv

MD-200asx Desk-Top Dynamic

MD-100A8X Desk-Top Microphon







The FC-40 is a microprocessor-controlled antenna impodance matching network designed to provide alt-mandeur-band transmitted capability with the FT-40 Series of transceivers, when used with an end-fed random wire or long whip antenna. FC-40
Automatic Antenna Tuner (for Long wire anter







Specifications

Operating Frequency Bengit 13 - 54.44% with 68 ti (21)+ in on-bed winv, 7 - 64 MHz with 8 ti (2.5) m Mobile With and 40 MHz with 68 ti (2.5) m Section 14 per limited Maximum Continuous 97.9 Maximum Section 25 MHz 65 minuted Maximum Continuous 97.9 Maximum Section 25 MHz 65 minuted MHz 65 m















YH-77STA Open-Air Stereo Headphone

FP-1023 (USA Only) External Power Supply (13.8 VDC 23 A)









Placed Callet CT-99A. External Automatic Arternal inter FC-20
About its proteins, whe made this proteins as completed each substantial proteins and substantial accessories, specifications, About its proteins, when made this proteins are made that proteins and substantial accessories, specifications, model numbers, and availability. Proceed imputerly range may be different in some countries. Some accessories shown become may not be available in some countries. Some accessories shown become may not be available in some countries. Some information may have been updated store the sum of printing belease check with work Affordized sissable belief to complete dealers.

MHG-1 Side Carry Handle

For the latest Yaesu news,visit us on the Internet: http://www.vxstd.com

VIVA-TELECOM.RU

2007.0510NA(U/E)

B9200562 Printed in Japan

ATBK-100 Antenna Base Kit (for Base operation on 6 m Band)

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VERTEX STANDARD AUSTRALIA PTY. LTD. —

Normanby Business Park, Unit 14/45 Normanby Road Phone +61 3 95182100 Notting Hill 3168, Victoria, Australia



Proven performance and technology of The ultimate compact HF/50 NHz transceiver – YAESU FT-450 YAESU - state-of-the 218

HF/50 MHz 100 W A∥ Mode Transceiver

FT-450 Automatic Antenna Tuner ATU-450 optional FT-450AT With Built-in ATU-450 Automatic Antenna Tuner

The Real DX Receiver!
The 67.899 MHz 4 pole rooting filter (MCF)
and 8 band-pass filters at the RF state
provide excellent suppressions of out-ofband interference.

The Interference-filtering begins in the "RF" stages, with a double conversion superferenceme (1st IF G-R99 MIM / 2nd IF 24 kHz) system. And the 8 band-pass filters at the RF input that help eliminate out-of-band interference followed by the RF AMP (2SK2G X 2) to be find the active DBM (1st local) will promise its excellent dynamic range. At its 1st IF stage, a powerful and excellent shape factor 4 pole roofing filter with a bandwidth of 10 kHz substantally reduces adjacent signal interference. Then, YAESUS high performance DSP at the 2nd IF stage / 24 kHz permits easy management of AGC, interference rejection. kHz permits easy management audio tone control, and noise reduction, for clear and quiet reception. The 20 dB ATT (Attenuator) and IPO (Intercept (Attenuator) and IPO (Intercept Intercept Intercept Intercept Intercept In

Point Optimization) feature allow the operator to optimize the characteristics of the receiver front end to improve





O 20dB ATT → eceiver Block Diagram 1st Local FILTER 1st ||F /— 3SK151 —≪ MOS FET AGC ADC - \ /- AGC - DET 2nd IF DSP 24 kHz (HTGIM) 古

World-Class Performance in an easy-to-operate HF/50 MHz transceiver package with Yaesu's unique IF DSP.

The legendary YAESU IF DSP system, well reputed among top and world dass DX operators, is now available in an easy to operate package. The rew IF DSP system uses an ADSP-BF531SBST IC, ANALOG DEVICE, with high speed 16-bit floating and the package of the package

Receiving Interference Suppression". These futures now come in one easy to operate HF/50 MHz Transceiver, ideal for everyone, new licensee or Designed and programmed with unique objective of "Enhanced Transmit Signal Quality" and "Advanced "Becaused Interference Supported Theory for the control of the control of



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Vary the IF SHIFT higher or lower for effective interference



Functions for eliminating interference together with IF SHIFT
Choose one of the functions by the DSP button and operate to adjust by the DSP/SEL knob. CONTOUR Control Operation

shaping of the passband

components may be sumprove the sound and readability of the received signal with the DSP system.

■ Independent Fast IF SHIFT Control



enhanced. ●IF WIDTH

DSP IF WIDTH Tuning provides selectable IF passband widths to fight QRM. (SSB -1.8 / 2.4 / 3.0 KHz) (CW - 05 / 1.8 / 2.4 KHz)) WIDTH



MANUAL NOTCH

Highly effective system that can remove an interfering beat tone or signal.) NOTCH П П

optimal DX operation

Œ3

FT-450 has a unique Digital Microphone Equalizer with 10 preset functions. The custom settings match your voice characteristics for settings match your voice unich, designed for

Digital Microphone Equalizer

Digital Noise Reduction (DNR) DNR

VOX operation is controlled by the DSP system!
Enjoy smooth and seamless Voice Operated
TX/RX control with this latest technology!

■ DSP VOX Operation

Store up to 10 seconds of audio in each memory, for contesting and portable field operation. The DSP system now makes this feature easy to operate. ■ Two Voice Memories (SSB/AM/FM)

■ Digital Voice Announcement function

the Frequency, Mode and S-meter readings. FT-450 Voice Announcement Feature will announce

Outstanding CW Features

- Built-in Electronic Keyer
 Speed adjustable between 4 WPM and 60 WPM
 Speed adjustable between 4 WPM and 60 WPM
 Weight (OctDash Ratio) adjustable
 CW TIR Recovery Delay programmable from 30 ms to 3000 ms
 CW Beacon up to 118 characters using CW message keyer's
- The control of the cont
- CW Spotting (Zero-Beating) function
 CW Reverse provides BFO injection from LSB-side instead of default USB-side

- CW Sidetone Generator
 CW Keying on SSB modes
 CW Keying on SSB modes
 CW Keying up (Up/Down keys on the optional microphones
 (MH-31 AsJ or MH-36Ea)
- CW Training feature sends random Morse Code via the built-in sidetone generator

Operate anywhere using optional internal or external antenna tuning systems! (The ATU-450 Antenna Tuner is included in the FT-450AT)

The FT-450's ATU (Automatic Antenna Turer) includes 100 memorites for quick tuning during field operation when using a folked dipoke, etc. YAESU's original and unique Antenna Turing Systems, such as External Automatic Antenna Turing Antenna Turing FT-450 or Active Turing Antenna System ATAS-120 for mobiles, are ready to be automatically operated with the FT-450 front panel controls.



Additional features to support the FT-450's operation

Even though it is a convenient compact size (9°x3.3°x8.5°, 229.8 et a. 217 mm) the IF-1450 has a large and bright display, almost 25 % of the front panel. The original LCD negative type display shows the Frequency S-meter, a Graphical indication of RF frequency. S-meter, a Graphical indication of RF to IF settings, and the DSP Interference Elimination settings (Condour, Notch, DNH, Width and Shift). The Icons and large character key buttons are easy to identify and operate, KFW, MIC and PHONE Jacks are provided on the front panel for handy access. The newly designed push-pull power MOSFET (RDF100HHF1) amplifiers guarantee powerful and reliable 100 W output operation. The F1-450's rugged 490 cc aluminum die-cast chassis, with a large 2.8" x 2.8" (70 x 70 mm) quiest thermostatically controlled cooling fan, is a solid foundation of the power amplifier during long hours of field use or home contesting operation. The Rugged aluminum die-cast chassis with large cooling fan is made for your heavy-duty, long and high power operation. Large informative Front Panel Display with convenient Control knobs and Switches ●Large, Easy-to-read digital S-meter with peak hold capability ●OAIB (Quick Memory Bank) ●Versatile Memory System, up to 300 memory channels that may be separated into as many as 12 Memory Groups ●TXW to monitor the transmit frequency when split frequency operation is engaged ●Oaifiler ●Bull-en TCXO for incredible ±1 open/hour (g+77deg F-Z6* C, atter warm up) ●20 second Digital Voice Recorder ●Dedicated Data Jack for DATA operation (FSK HTTY available) ●CTCSS Operation (FM) ●Wy Band/My Mode functions • to recall your travorte operating environments ●Lock function ●Adjustable Main Tuning Dial Torque ●CS Switch to recall a tavorite Menu Selection directly ●TOT (Transmitter Time Out Timer) ●Various Scan functions ●CAT System (D-sub 9 pin) for Computer Programming ●Cloring capability ●Hand microphone MH-57asi included



