

FT-600

COMPACT HF TRANSCEIVER

YAESU

...leading the way.SM

Amateur operating simplicity and commercial practicality.

The FT-600 compact HF base station cinches Yaesu's leadership position in amateur radio manufacturing. Combining the straightforward, sensible layout of a commercial radio with the most-often-used features on the front panel, the FT-600 is comparable to its commercial counterpart, and excels as an easy-to-use base station or mobile radio.

- Frequency Coverage:
 - RX: 50 kHz~30 MHz
 - TX: 160~10m Amateur Bands Only
- Direct Digital Synthesis (DDS)
- 100 Memory Channels (in 4 banks of 25)
- Front Mounted Speaker w/High Audio Output
- Direct Keypad Frequency Entry
- Alphanumeric Display
- Selectable Noise Blanker
- MIL-STD 810 Rating
- Omni-Glow™ Display
- Dual Watch



Accessories & Options

FC-800	Automatic Antenna Tuner
FIF-232C	Computer Interface
FP-800	AC Power Supply
MD-100A8X	Desk Microphone
SP-7	Mobile Speaker
SP-8	Base Station Speaker
TCXO-4	High Stability Reference Oscillator
YA-007	Mobile Antenna
YA-30	Broadband Dipole Antenna
YF-112A	6 kHz AM Filter
YF-112C	500 Hz CW Filter
YH-77STA	Lightweight Stereo Headphones



Specifications

General

Receiving Frequency Range: 50 kHz~30 MHz
 Transmitting Frequency Range:
 160 ~ 10 meter Amateur Bands
 Frequency Stability:
 ±10ppm from 0 ~ +40°C (Standard Version)
 ±2ppm from 0 ~ +50°C (w/TCXO-4 option)
 Emission Modes:
 USB, LSB (J3E), CW (A1A), AFSK (J2B),
 AM (A3E)
 Frequency Tuning Steps:
 10 Hz/100 Hz (CW,SSB)
 100 Hz/1 kHz (AM)
 Antenna Impedance: 50Ω nominal
 Operating Temperature Range: -10 ~ +50°C
 Supply Voltage:
 13.5 V DC ±10%, negative ground
 Power Consumption (approx.):
 1.2 A RX (no signal)
 20 A TX (100 Watts)
 Dimensions (WHD):
 244 x 104 x 286 mm (w/o Knobs)
 (9.6 x 4.1 x 11.3 in.)
 Weight (approx.): 4.5 kg (9.9 lbs.)

Transmitter

Power Output: 100 Watts (25W AM Carrier)
 Modulation Types:
 SSB: Balanced Modulator, filtered carrier
 AM: Low-level (early stage)
 Spurious Radiation:
 >40 dB below peak output
 SSB Carrier Suppression:
 >40 dB below peak output
 Undesired Sideband Suppression:
 at least 50 dB
 below peak output at 1.5 kHz modulation
 Audio Response (SSB):
 not more than -6 dB from 400 ~ 2600 Hz
 3rd order IMD:
 -25 dB typical @100 Watts PEP 14.2 MHz
 Microphone Impedance: 500 to 600 Ω

Receiver

Circuit Type:
 Double-conversion superheterodyne
 Intermediate Frequencies:
 1st 47055 MHz
 2nd 8.215 MHz

Sensitivity (For 10 dB S/N):

	Frequency	
Mode (BW)	0.5~1.8 MHz	1.8~30 MHz
SSB, CW (2.4 kHz)	<2 μV	0.25 μV
AM (6 kHz)	<8 μV	<1 μV

Selectivity :

Modes	Minimum 6 dB BW	Maximum 60 dB BW
CW narrow (optional)	500 Hz	1.2 kHz
SSB, CW, AM narrow	2.2 kHz	5.0 kHz
AM-wide (optional)	6 kHz	12 kHz

Squelch Sensitivity:
 1.8~30 MHz (CW, SSB, AM): <2.0 μV
 IF Rejection (1.8~30 MHz):
 60 dB or better
 Image Rejection (1.8~30 MHz):
 70 dB or better
 Clarifier Tuning Range: ±300 Hz
 Maximum Audio Power Output:
 at least 1.5 Watts into 4Ω with <10% THD
 Audio Output Impedance: 4 to 8Ω

Specifications may be subject to change
 without notice or obligation. Specifications
 guaranteed only within amateur bands.

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About this brochure: we have made this brochure as comprehensive and factual as possible. We reserve the right, however, to make changes at any time in equipment, optional accessories, specifications, model numbers, and availability. Precise frequency range may be different in some countries. Some accessories shown herein may not be available in some countries. Some information may have been updated since the time of printing; please check with your Authorized Yaesu Dealer for complete details.

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