

Yaesu Radio announces a dual speaker system in the remote and main unit of the 444/430MHz flagship mobile radio "FTM-500D Series"

FTM-500D (50W type) and FTM-500DS (20W) two-band mobiles in the 144/430MHz band Type)" was announced. AESS phase-corrected dual speaker system with 6W high-output front speakers in the control unit and 3W speakers in the radio unit body, 108MHz Broadband reception function covering continuously from 999.995MHz, supports simultaneous reception of two waves and dual reception (digital D/D) of C4FM/C4FM digital. It is positioned as the company's new flagship mobile aircraft. The standard price (tax included) is 94,600 yen (\$716 US) for the FTM-500D and 89,100 yen (\$679 US) for the FTM-500DS, 2023 It is scheduled to go on sale in March.



Yaesu Radio's 144/430MHz band flagship mobile "FTM-500D Series"

C4FM/FM 144/430MHz

Dual-Band Mobile Transceivers "FTM-500D" and "FTM-500DS"

Loud and high sound quality equipped with front speakers AESS Dual speaker system, FT5D popular PMG. In addition to features, a new feel for Mobil "Touch & Go" "Search & Go". The

latest operating system with features "E2O-IV", a new flagship mobile that realizes easy operation while being multifunctional."

The FTM-500D series has a broadband reception circuit configuration that continuously covers from 108MHz to 999.995 MHz and includes dual reception of two of simultaneous FM or digital signals: C4FM/C4FM digital (digital D/D).

C4FM digital and analog FM modes with excellent communication quality, AM (airband reception), and AMS automatically selects the communication mode of the station according to the received signal from the other party The (Automatic Mode Select) function automatically changes modes even when digital and analog FM radio waves are mixed, enabling comfortable communication with all members.

◆ **Touch panel display with excellent visibility and operability** a 2.4-inch high-resolution full-color touch panel

display, boasting excellent operability and visibility. In addition, the control head can be adjusted 20 degrees upward with respect to the main unit, ensuring sufficient display visibility even when installed under the dashboard of the vehicle. In addition, if you install the optional spherical joint control head mounting kit (SJMK-500, standard price 3,520 yen), you can change the angle of the head up, down, left, and right. It can be installed with a high degree of freedom even in vehicles where installation space is limited.

◆ **Dual speaker system AESS (Acoustic Enhanced Speaker System)**

6W high-output front speaker built into the control head, 3W It uses the AESS phase-corrected dual speaker system combined with the main speaker. It obtains a unified playback sound with high volume and high quality. AESS realizes wide, clear, high-quality sound by changing the phase, output balance, and frequency response of the front and main speaker outputs, and the high volume with a total output of 9W can ensure reliable communication even in noisy places. In addition, even in separate operation where the main unit is installed under the seat, comfortable operation is possible without adding external speakers.



6W high-output front speaker built into the control head (image photo created by hamlife.jp)

◆ Modern Operating Systems E2O-IV (Easy to Operate-IV)

Frequently used functions can be displayed together, and settings can be easily changed. CFL (Customized Function List), Touch & Go/Search & Go, PMG, MAG Latest operating system, including numerous new features such as E2O-IV equipped with.

① PMG function

Click the multiple channels you want to monitor PMG can be easily monitored by adding it to the list

② Touch & Go function

Press and hold the frequency you want to move on the scope screen to instantly move to that frequency

③ Search & Go function

Short press the frequency you want to move on the scope screen to start simultaneous reception of that frequency and the main frequency, and short press again to return to the scope screen.

④ MAG(Memory Auto Grouping) function

This function allows you to automatically group and call stored channels by band.

⑤ VFO Band skipping function

VFO You can skip bands that you don't want to use in band selection

⑥ One-touch scope function

It is a one-touch scope function that can instantly switch between scope operation and dual receiving operation.

◆Cooling system FACC (Funnel Air-Convection Conductor)

to guarantee stable transmission output. The power amplifier is efficiently cooled by die-casting aluminum with a special structure that takes in external air from the front and discharges it from the fan at the back, ensuring stable high output even in high-power operation of 50W.

In addition, the FTM-500D series is fully compatible with the world-recognized WIRES-X Internet long-distance communication and supports WIRES-X portable digital node function, making it highly mobile on the go. Operation of digital node stations, direct Internet communication via PC, real-time navigation, and GPS data communication with counterpart stations by installing high-precision GPS receivers. It is packed with various sophisticated features such as APRS support, wireless communication using a Bluetooth headset, recording function, data storage with micro-SD card, etc. You can enjoy comfortable amateur radio communication from beginners to advanced players.

Main features

- Equipped with front speakers, clear sound quality and wide volume, AESS Dual Speaker System.
- Total output 9W (3W main unit, 6W: Front panel) .High sound quality and loud speaker.
- A new operating sensation of Dual Mobile, Touch & Go—/Modern operating system with search and go function E2O-IV (Easy to Operate-IV).
- Excellent communication quality C4FM Digital, Analog FM communication AM (Airband reception).
- Two simultaneous receivers offer C4FM/C4FM Dual Digital Reception.
- AMS (Automatic Mode Select) Communication mode automatic selection function of FM or Digital.
- Digital Group ID (DG-ID Easy and comfortable group operation.
- 2.4inch high-definition full-color touch panel display.
- The angle of the control head is 20 degrees. Swing-head mechanism that can be adjusted upward.
- Control head angle up or down/A spherical joint mounting kit that can be changed left and right is available as an option (SJMK-500)
- Easily check frequently used features/Easy to change settings and customize CFL (Customized Function List
- Memory auto grouping (MAG) function.
- Show only the bands you want to use VFO Band skipping function.
- Memory channel information with a single touch VFO Memory channels to move to VFO Transfer function.
- One-touch scope function that instantly switches between scope operation and dual receiving operation.
- High-speed spectrum-scoping.
- 16 Character (full-width 8 Character) with Chinese character support, large capacity with 1104 channel memory.

- High accuracy GPS Built-in receiver, real-time GPS Data communication with APRS support.
- Bluetooth Wireless operation (optional headset) SSM-BT10 required).
- WIRES-X Supports portable digital node function.
- Audio data can be saved and memory backed up. Micro SD Equipped with a card slot.
- Stable 50W ensures high output with the FACC (Funnel Air-Convection Conductor Cooling system).
- For control head separate operation.

Key Specifications

- Transmission frequency range:144~146MHz、 430~440 MHz (C4FM digital/analog FM)
- Reception frequency range :
 - 108~137MHz (Air Band)
 - 137~174MHz (144MHz HAM/VHF Band)
 - 174~400MHz
 - 400~480MHz (430MHz HAM/UHF Band)
 - 480~999.995MHz
- Reception method: Double conversion superheterodyne method
- Radio wave type:F1D、 F2D、 F3E、 F7W
- Transmit power :
 - FTM-500D (50WType) 50W/25W/5W
 - FTM-500DS (20WType) 20W/10W/1W
- External dimensions (W×H×D:
 - substance 139×42×132mm (excluding protrusions and fans)
 - Control head 156×64×58.6mm(excluding protrusions)
- Weight: Approx.1.4kg (Main unit, control head)

- **Related link:** [Yaesu Radio \(As of the evening of February 3, FTM-500D series information is not posted\)](#)