

**YAESU**



Official Announcement

# FT3DE

## 5W C4FM/FM 144/430MHz Dual Band Digital Transceiver



We are pleased to introduce the new 5W C4FM/FM 144/430MHz Dual Band Digital Transceiver – FT3DR/E.

The new FT3DR/E provides reliable 5W RF power output in compact design and light weight from factor -W62mm x H100mm x D32.5mm/ 282g. Battery power-saving settings are available for each frequency band with TX output power level (5W/ 2.5W/ 1W/ 0.3W) individually selectable. Even in a compact body, the user can enjoy loud and clear C4FM voice quality from 700mW of audio power. Real Dual Band Operation (V+V, U+U, V+U, U+V) are available with two independent receivers, and the FT3DR/E supports simultaneous C4FM digital monitoring for both the A and B bands (C4FM/C4FM standby).

The new FT3DR/E is designed with a high-resolution 320 x 240 dot matrix full color TFT LCD display – which clearly highlights the frequency of the operational bands. Utilising the Touch Sensitive Screen function of the display, three-one-touch-panel keys at the bottom of the display are used for changing the mode, direct frequency entry and various setting from the function menu display with ease of use in mind. With its highly visible full color display, the new High-Resolution Band Scope function is available as one of the new advanced features which enables users to monitor up to 79 channels centred around the current VFO frequency in real time. Number of channels scanned is selectable from 19ch/ 39ch/ 79ch.

The features of the C4FM digital communication which are already popular in the market such as Automatic Mode Select (AMS), Digital Group ID (DG-ID) operation, and Smart Navigation function are available with the new FT3DR/E. The new FT3DR/E supports the WiRES-X Portable Digital Node Function as well. In the same way as some other current C4FM transceivers, users can easily set up a portable digital node with the new FT3DR/E and the optional SCU-39 cable kit and enjoy the WiRES-X internet communication.

CAM (Club Channel Activity Monitor) function is one of the new and advanced features of the FT3DR/E. Up to 10 groups with 5 channels per group each, of frequency used memory channels can be registered, and whilst receiving on the current channel, the signal strength of this channel and past peaks of the other channels in the group can be displayed and monitored. With a single touch of a channel bar graph, it becomes the active operating channel and the FT3DR/E users may immediately start communicating with other club members on that channel.

A built-in Bluetooth unit is installed in the new FT3DR/E. Users can enjoy the Hands-Free Operation using the optional YAESU Bluetooth headset SSM-BT10 or a commercially available product. SSM-BT10 is equipped with the PTT button and supports the voice activated transmission (VOX) function.

Other remarkable features of the new FT3DR/E include: Wide-range RX coverage with continuous reception from 0.5MHz – 999.99MHz (A Band)/ 108MHz – 580MHz (B Band): Built-in high-sensitivity 66 channel GPS receiver: 1200/ 9600bps APRS Data modem: 2,200mAh High-Capacity Li-ion Battery Pack (SBR-14LI) as standard: Voice Recording Function for the received and transmitting voice and audio data which can be saved as an audio file on the micro SD card: simultaneous AM/FM broadcast Reception while monitoring two frequency channels: micro SD Card Slot.

# YAESU FT3DE - TECH SPECS

## Supplied Accessories:

- Antenna
- 7.2 V 2,200 mAh Lithium Ion Battery Pack (SBR-14LI)
- Battery Charger (SAD-25)
- Belt Clip (SHB-13)
- USB Cable
- Operating Manual

## Specifications:

### A(Main) Band RX

- 0.5 - 1.8MHz (AM Broadcast)
- 1.8 - 30MHz (SW Band)
- 30 - 88MHz (50MHz HAM)
- 88 - 108MHz (FM Broadcast)
- 108 - 137MHz (Air Band)
- 137 - 174MHz (144MHz HAM)
- 174 - 222MHz (VHF TV)
- 222 - 420MHz (GEN1)
- 420 - 470MHz (430MHz HAM)
- 470 - 800MHz (UHF Band)
- 800 - 999.90MHz (GEN2)

### B(Sub) Band RX

- 108 - 137MHz (Air Band)
- 137 - 174MHz (144MHz HAM)
- 174 - 222MHz (VHF)
- 222 - 420MHz (GEN1)
- 420 - 470MHz (430MHz HAM)
- 470 - 580MHz (UHF Band)

**TX:** 144 - 146MHz, 430 - 440MHz

**Circuit Type:** NFM/ AM:Double-Conversion Superheterodyne,  
FM /AM Radio: Direct-Conversion

**Modulation Type:** F1D, F2D, F3E, F7W

**RF Power Output:** 5W/ 2.5W/ 1W/ 0.3W (@ Battery pack or EXT DC)

**Memory Channels:** 1256

**Waterproof Rating:** IPX5

**Case Size (W x H x D) and weight:** 62 x 100 x 32.5 mm (w/ SBR-14LI, w/o Knob & Antenna) 282g (w/ SBR-14LI and Antenna).

