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New Product Information

FT3DR/E

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

Date: May 15, 2019

Dear Valued Customer:

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. Utilizing 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 centered 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



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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

For further information, please refer to the below Specification Sheet.

Model Name	Delivery
FT3DR/E Transceiver	June 2019
SSM-BT10 Bluetooth Headset	June 2019
SHC-34 Soft Case for FT3DR/E	June 2019

We anticipate strong demand for this product and are accepting orders for the new FT-3DR/E from now. We look forward to receiving your orders soon.



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FT3DE

144/430MHz Dual-Band Handheld

5 W C4FM/FM Dual Band Digital Transceiver

Radio Features:

- Compact Design and Reliable 5W RF Power Output (Selectable 5W/ 2.5W/ 1W/ 0.3W)
- C4FM Digital V/D Mode, Voice FR Mode, Data FR Mode and Conventional FM Mode
- 700 mW of audio power with C4FM clear and crisp audio quality
- Dual Band Simultaneous Receive (V+V/ U+U/ V+U/ U+V)
- **Built-in Bluetooth Unit** enables the easy hands-free operation (NEW!)
- Highly visible 320 x 240 dot matrix Full-Color TFT Touch Panel Display
- **Band Scope Function** enables monitoring up to 79 channels centered around the current VFO frequency with high-speed (NEW!)
- **CAM (Club Channel Activity Monitor) function** (NEW!)
- System Fusion II compatible such as AMS (Automatic Mode Select), DG-ID (Digital Group ID), and Smart Navigation functions
- WiRES-X Portable Digital Node compatible
- Built-in 66ch High-Sensitivity GPS Receiver
- Snapshot Feature
- Voice Recording function for the received and transmitting voice and audio
- Built-in On/Off Timer, Automatic Power Off (APO) and Time-out Timer (TOT)
- micro SD Card Slot (up to 32GB)
- IPX5 Rating Water Protection



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:

Frequency Ranges:

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 (@ Batterie pack or EXT DC)
Memory Channels:	1256
Waterproof Rating:	IPX5
Case Size(W x H x D):	62 x 100 x 32.5 mm (w/ SBR-14LI, w/o Knob & Antenna)
Weight:	282 g (w/ SBR-14LI and Antenna)



FT3DE

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