

YAESU

The radio

FT1XDR/DE

Operating Manual

144/430MHz

DIGITAL/ANALOG

TRANSCEIVER

C4FM FDMA



Read this information first

Basic Operation

Repeater Operation

Using the Memory

Scanning Function

Using the Digital GM Function

Using the APRS Function

Using the GPS Function

Convenient Functions

Communicating with a
Specific Remote Station

Functions Used As Needed

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Introduction

Features of the FT1XDR/DE

○ Digital communication (C4FM (Quaternary FSK), FDMA system).....	31
○ Equipped with AMS (Automatic Mode Select) Function.....	32
Automatically selects between 4 modes of transmission to fit the signal being received.	
○ External power supply connection	20
○ Simultaneous reception on two different bands, or within the same band (V+V/U+U)	28
○ Independent switching keys for A-band and B-band and TX/BUSY display	28
○ Wide-band reception over the range of 500 kHz to 999.900MHz	28
○ Waterproof design conforming to IPX5 equivalent, which protects the transceiver from rain and splashes.....	11
○ Individual side keys, full keyboard for easy character entry, tilted main dials	12
○ Easy-to-see dot matrix display	14
○ WIRES-X connection support	See WIRES-X instruction manual*
○ Equipped with GM function	See GM function instruction manual*
○ Large-capacity 1266ch memory, with twenty-four 100ch memory banks	42
○ Display memory tags comprised of up to 16 one-byte characters	46
○ Convenient reception of preset receiver memory channels.....	51
By selecting preset frequencies, you can receive shortwave broadcast, and international VHF radio stations with ease.	
○ A wide variety of scan functions	56
○ Built-in GPS unit allowing display of your current location and heading information	68
○ Ready for APRS® communication using the world standard 1200/ 9600bps AX25 modem (B band only).....	See APRS instruction manual.*
○ High-resolution band scope function to display ± 50 channels	82
○ A variety of individual selective calling functions; such as tone squelch (CTCSS) and DCS functions	84
○ Vibrator to alert you of signal reception, in addition to the audible bell.....	88
○ New pager function for calling only specific stations.....	90
○ Illumination by white LED for easy viewing of the LCD outdoors.....	131
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○ Built-in bar antenna for AM reception.....	33
○ Micro SD memory card slot.....	22
○ Snapshot function (an optional camera microphone MH-85A11U is required)	82

* WIRES-X, GM function and APRS instruction manuals are not included in the product package.



They are available and may be downloaded from the Yaesu.com website.





Introduction





How to Read This Manual

Typical explanatory expressions used in this manual are as follows:

For pressing the  key short Press .

For pressing the  key long Press and hold  for over 1 second.

For pressing  →  Press  and then .

For pressing or turning  while pressing the  key..... Turn  while pressing .

Caution



...Explains caution to observe during operation.

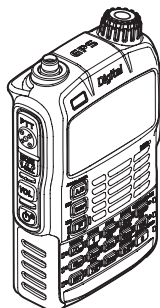
Tip



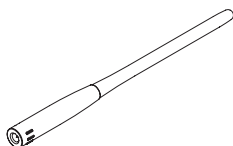
...Explains operating suggestions or useful tips.

Checking Bundled Items

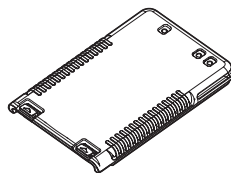
FT1XDR/DE



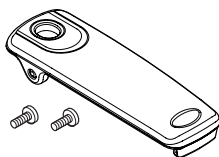
Antenna



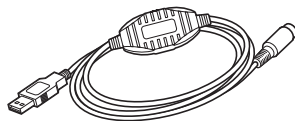
Lithium-ion battery pack
(SBR-14LI: 7.2 V,
2,200 mAh)



Belt clip

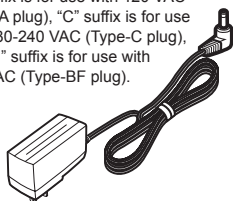


PC connection cable
(SCU-19)

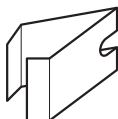


Battery charger
PA-48B/C/U* or SAD-11B

* "B" suffix is for use with 120 VAC (Type-A plug), "C" suffix is for use with 230-240 VAC (Type-C plug), and "U" suffix is for use with 230 VAC (Type-BF plug).



Card clip



Protective plate for battery pack



- Quick Manual
- Warranty Card
- Instruction Manual (this manual)

Cautions

- Check that the name of the shop dealer from which you purchased the product and the date of purchase are indicated on the warranty card.
- If any item is missing, contact the shop dealer from which you purchased the product.

Safety Precautions (Be Sure to Read)

Be sure to read the safety precautions to use this product safely.

We are not liable for failures and other problems caused due to misuse or use of this product by you or a third party as well as the damages caused through use of this product by you or a third party except in the case where we are ordered to pay for damages under the laws.

Types and Meanings of Symbols



DANGER

Indicates an imminently hazardous situation which, if not avoided, could result in death or serious injury.



WARNING

Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.




CAUTION


Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury or only property damage.

Types and Meanings of Legends



Indicates a prohibited action, not to be done in order to use this product safely. For example,  indicates that the product should not be disassembled.



Indicates a required action, to be done in order to use this product safely. For example,  indicates that the power plug should be removed.



DANGER



Do not use this product in “an area where use of it is prohibited”, e.g., inside the hospital, airplane, or train.”

This product can affect electronic or medical devices.



Do not use this product while riding a bicycle or driving a car. Accidents can result.

Be sure to stop the bicycle or car at a safe place before using this product.



Those who are carrying a medical device such as a cardiac pacemaker should not perform transmission near the device. When transmitting, use an external antenna and keep as far as possible away from the external antenna.

The radio wave emitted by the transmitter can cause the medical device to malfunction and result in an accident.



Do not use this product or the battery charger in a place where inflammable gas is generated.

A fire or explosion can occur.