

YAESU

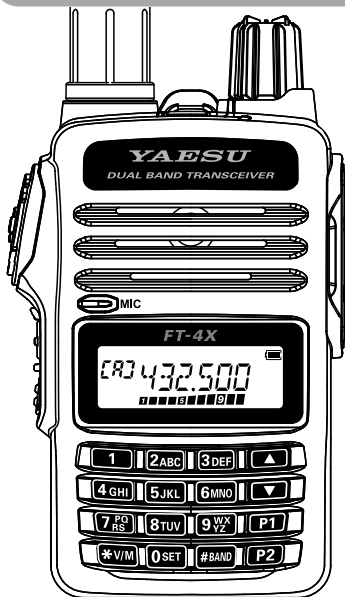
The radio

FM 144/430MHz
DUAL BAND TRANSCEIVER

FT-4XR

FT-4XE

Operating Manual







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About this manual

Reference icon symbols and conventions are used in this manual. Their meanings are described in the below chart.

Symbols	Description
	This icon indicates cautions and information that should be read.
	This icon indicates notes, tips and information that should be read.
	This icon indicates other pages containing relevant information.
	This icon indicates FT-4X Advance Manual on the YAESU Website containing relevant information.

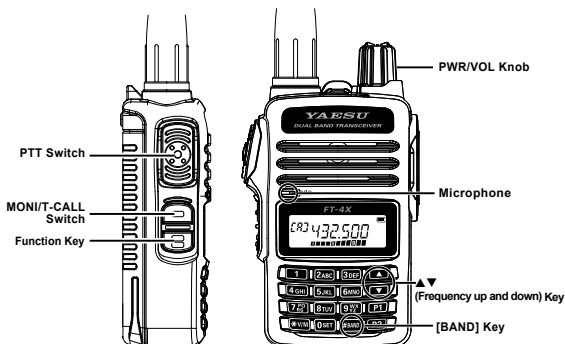
Thank you for purchasing this Yaesu product.

- FT-4XR/4XE is a handheld transceiver for operation in the 144 MHz and 430 MHz Amateur radio bands.
 - Bridged Transless (BTL) amplifier provides One Full Watt of Audio in spite of small size.
 - Two Quick Recall Keys (User Programmable) for Individual Preferences
 - Lockout Capabilities for Keypad/PTT Lockout.
 - Emergency Operation (Alarm and HOME channel display)equipped.
- | | | |
|--------------------------|--|----|
| <input type="checkbox"/> | A variety of individual selective calling functions; such as tone squelch (CTCSS) and DCS functions | 20 |
| <input type="checkbox"/> | Large-capacity 200 memory channels | 14 |
| <input type="checkbox"/> | 3 home channels and 10 pairs of PMS memory channels | 16 |
| <input type="checkbox"/> | Create mnemonic tags for memory channels and Home channel .. | 18 |
| <input type="checkbox"/> | Automatic power off (APO) feature turns the transceiver OFF after a preset time period | 19 |
| <input type="checkbox"/> | The cloning feature allows the memory and configuration data from one transceiver to be transferred to another FT-4XR/4XE..... | 23 |
| <input type="checkbox"/> | The VOX system provides automatic transmit/receive switching based on voice..... | 19 |

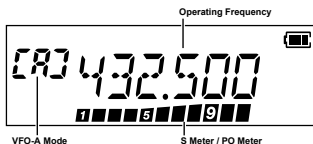
We urge you to read this manual in its entirety, and also the Advance Manual (available for download on the Yaesu website), to gain a full understanding of the amazing capability of the exciting new FT-4XR/FT-4XE Transceiver.

Quick Guide

Names and display of Controls



Normal operation (VFO Mode)



① Turning the Power ON

Rotate the until it clicks.

② Adjusting the volume

Rotate the .

③ Selecting the Operating Band

Press the .

The operating frequency changes between the 144 MHz Band, the 430 MHz Band, and the FM Radio Broadcast Band.

④ Tuning the frequency

Press the .

⑤ Adjusting the squelch setting

The squelch level may be adjusted to mute the background noise when no signal is

received.

1. Press the , then press the .

2. Press the or to adjust the squelch level.

* When the squelch level is increased, the noise is more likely to be silenced, but it may become more difficult to receive weak signals.

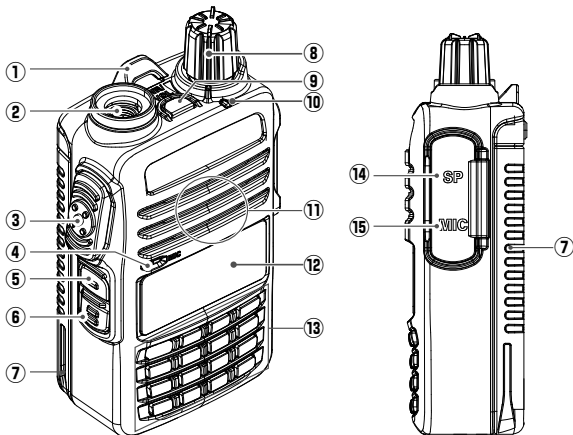
3. Press the PTT () switch to save the setting.

⑥ Transmitting Signals

● Transmitting

Press the , then speak into microphone.

Transceiver

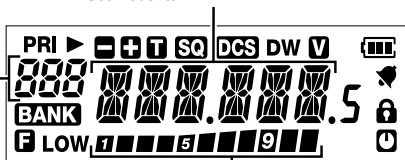


①	Strap Hole (📖8)
②	Antenna Jack(SMA) (📖8)
③	PTT Switch (📖11) <ul style="list-style-type: none"> • Press and hold the PTT switch to transmit, and release it to receive. • In the Set mode, press the PTT switch to save the new setting and return to normal operation.
④	Microphone (📖11)
⑤	MONI/T.CALL Switch <ul style="list-style-type: none"> • USA/Asian version While pressing and holding the MONI/T.CALL Switch, the squelch is opened temporarily. Press the Function key, then press the MONI/T.CALL Switch to adjust the squelch level. • European version Press the MONI/T.CALL switch to activates the T-CALL(1750 Hz).

⑥	<p>Function Key (☞19)</p> <p>Pressing the Function key activates the “Secondary” key function. Pressing and holding the Function key enters the Set mode. In the Set mode, pressing the Function key to determine the setting</p>
⑦	<p>Battery pack(☞9)</p>
⑧	<p>PWR/VOL Knob</p> <ul style="list-style-type: none"> • Turn this control clockwise to turn the transceiver ON and to increase the volume. • Counter-clockwise rotation into the click-stop will turn the transceiver OFF.
⑨	<p>Emergency Key</p> <p>Press and hold it for three seconds to enable the Emergency Alarm beep functions and display the Home channel frequency (VHF).</p>
⑩	<p>TX/BUSY Indicator Lamp</p> <p>This indicator glows green when the squelch opens, and it glows red during transmit.</p>
⑪	<p>Speaker</p>
⑫	<p>LCD (Liquid Crystal Display)</p> <p>The display shows frequency and current operating condition.</p>
⑬	<p>Keypad</p> <p>The functions of the keypad are described in detail on page 5.</p>
⑭	<p>SP jack</p> <p>SP jack provides connection for an microphone.</p>
⑮	<p>MIC jack</p> <p>MIC jack provides connection for microphone and clone cable.</p>











Frequency / Memory Tag / PAGER
Set Mode Item

VFO-A/B
Memory Channel Number
Home Channel Display
Memory Bank



S Meter : Displays the received signal strength
PO Meter : Displays the transmit power level

Icon	Description													
PRI	Priority Memory Channel	14												
	: Memory channel registered as a skip memory	14												
	Repeater Shift Direction Semi duplex Memory (a simultaneously)	18												
	: Appears when the tone encoder function. : Appears when the tone squelch function.	21												
	Appears when the DCS function.	20												
	The battery condition is displayed in 4 steps. : Full battery power : Enough battery power : Battery is depleted. Charge battery. : (When blinking) Charge battery immediately.	10												
	: Appears when a function key is pressed.	7												
LOW	TX Power Level Indicator (LOW/MID TX Power Selected) <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Tx Power</th> <th>Icon</th> <th>TX Power Meter during transmission</th> </tr> </thead> <tbody> <tr> <td>HIGH (5 W)</td> <td>(No display)</td> <td></td> </tr> <tr> <td>MID (2 W)</td> <td>LOW</td> <td></td> </tr> <tr> <td>LOW (0.5 W)</td> <td>LOW</td> <td></td> </tr> </tbody> </table>	Tx Power	Icon	TX Power Meter during transmission	HIGH (5 W)	(No display)		MID (2 W)	LOW		LOW (0.5 W)	LOW		12
Tx Power	Icon	TX Power Meter during transmission												
HIGH (5 W)	(No display)													
MID (2 W)	LOW													
LOW (0.5 W)	LOW													

Icon	Description	
DW	Appears when the Dual Receive(DW) function is enabled.	 7
	Appears when the APO (Automatic Power-Off) function is enabled.	 19
	Appears when the bell function is enabled.	 19
	Appears when the lock function is enabled.	 13
BANK	Appears when the Memory Bank function is enabled.	 18
V	Appears when the VOX (Voice Operated Transmit) function is enabled.	 22

The Keypad Functions

Key	Primary Function (Press Key)			Secondary Function (Press F + Key)	Third Function (Press and Hold for over one second)
	VFO	Memory Recall	Inputting Memory Tag		
Function	Activates the "Secondary" key function (F appears)	Activates the "Secondary" key function (F appears)	Moves the cursor to the left.	Deactivates the "Secondary" key function (F appears)	Enters the Set mode.
#BAND	Switches the band control between VHF, UHF and FM RADIO Broadcast	Memory Offset Tuning	—	PMS(Program Memory (Mode) Scan)	Program Scan Setting
*V/M	Switches the frequency control between the VFO and Memory Systems	—	Numbers "1", "4", "—", "f", "@" Press and hold this key to complete the memory channel registration	Dual Receive (DW) function	Memory write mode
P1	Recalls the stored P1(Programmable key) setting	—	Stores to the Home channel	Recalls the Home channel	Stores the P1(Programmable key) setting
P2	Recalls the stored P2(Programmable key) setting	—	Stores the Semi-Duplex transmit frequency	Reverses the transmit and receive frequencies while working through a repeater	Stores the P2(Programmable key) setting
1	Number "1"	Recalls the stored memory channel	Number "1"	—	Recalls the "Weather" broadcast channel bank
2 ABC	Number "2"	Recalls the stored memory channel	Number "2", or characters "A", "B", or "C"	—	Activates the ARTS feature
3 DEF	Number "3"	Recalls the stored memory channel	Number "3", or characters "D", "E", or "F"	—	—
4 GHI	Number "4"	Recalls the stored memory channel	Number "4", characters "G", "H", or "I"	—	—
5 JKL	Number "5"	Recalls the stored memory channel	Number "5", characters "J", "K", or "L"	—	—
6 MNO	Number "6"	Recalls the stored memory channel	Number "6", or characters "M", "N", or "O"	—	Key Lock feature
7 PQRS	Number "7"	Recalls the stored memory channel	Number "7", or characters "P", "Q", "R", or "S"	—	—
8 TUV	Number "8"	Recalls the stored memory channel	Number "8", or characters "T", "U", or "V"	—	—
9 WXYZ	Number "9"	Recalls the stored memory channel	Number "9", or characters "W", "X", "Y", or "Z"	DTMF autodialer setting	—
0 SET	Number "0"	Recalls the stored memory channel	Number "0"	—	—

Preparation

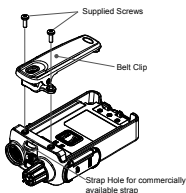
Installing the Antenna

1. Turn the antenna clockwise until it is secured.
 - Do not hold or twist the upper part of the antenna when installing or removing it. To do so may break the conductors inside the antenna.
 - Do not key the transmit without installing the antenna. The transmitter components may be damaged.
 - When using an antenna other than the one supplied, or connecting to an external antenna, ensure that the SWR is adjusted to 1.5 or lower.



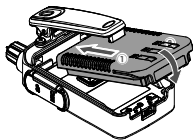
Attaching the Belt Clip

1. Attach the belt clip on the back of transceiver using the supplied screws (two).
 - Be sure to use the supplied screws when attaching the belt clip. If any other screws are used, the belt clip cannot be secured firmly to the battery pack and the transceiver may drop off together with the battery pack; the transceiver and battery pack may fall off, causing injury, breakage and other damage.
 - Use a hand strap which can withstand the weight of the transceiver. If the hand strap is not strong enough, the it may break and the transceiver may fall, causing injury, breakage and other difficulty.



Installing the Battery Pack

1. ① Referring to the figure at the right, insert the battery pack into the seals of the battery compartment on the back of the transceiver.
2. ② Push the battery pack in until the battery latch clicks securely.



Removing the Battery Pack

1. Turn the transceiver OFF. While sliding the latch in the direction of the arrow, as shown in the illustration, slide the battery pack downward and out of the transceiver.

