







## Safety Precautions (Be Sure to Read)


 **Keep the terminals of the battery pack clean.**  
If terminal contacts are dirty or corroded, a fire, leak, overheating, explosion, or ignition can result.


 **If charging of the battery pack cannot be completed within the specified charging time, immediately remove the power plug of the battery charger from the outlet.**  
A fire, leak, overheating, explosion, or ignition can result.


## CAUTION

 **Do not dangle or throw this product by holding its antenna.**  
This product can hit and injure someone. In addition, doing so can result in a transceiver failure or damage.


 **Do not use the earpiece microphone, earphones, or headphones at an extremely high volume level.**  
Hearing impairment can result.


 **Do not use transceiver in a crowded place.**  
The antenna can hit someone, resulting in an injury.


 **Keep this product out of reach of children.**  
An injury, etc. can result.


 **Do not place this transceiver in a place subject to direct sunlight or near a heater.**  
The transceiver can deform or discolor.


**Install the hand strap and belt clip securely.**


 If they are installed improperly, the FT1XDR/DE may fall or drop, resulting in an injury or damage.


 **Do not place this transceiver in a humid or dusty place.**  
A fire or failure can result.


 **Do not place a heavy object on the power cord of the battery charger.**  
The battery cord can be damaged, resulting in a fire or electric shock.


 **During transmission, keep the antenna as far from you as possible.**  
Long-time exposure to electromagnetic waves can have a negative impact on your health.


 **Do not use the included battery charger to charge any battery pack which is not specified for use with the charger.**  
A fire can result.


 **Do not clean the case with thinner or benzene.**  
Use a soft, dry cloth to clean the case.


 **Do not operate the transmitter near the TV or radio.**  
Radio disturbance can occur in the transceiver, the TV, or the radio.

 **If you do not use this transceiver for a long period, turn it off and remove the battery pack for safety.**

 **Do not use any products other than the specified options and accessories.**  
A failure can result.

 **Do not drop, strike, or throw the transceiver.**  
A failure or damage may result.

 **When the battery charger is not in use, remove its power plug from the outlet**

 **Keep magnetic cards and video tape away from the transceiver.**  
The data recorded on cash cards or video tape can be erased.

## Safety Precautions (Be Sure to Read)

**Charge the battery pack within the temperature range from +5 °C to +35 °C (+41 °F to +95 °F).**



Charging the battery pack outside this temperature range can cause leak, overheating, decrease in performance, or reduction in service life can result.

**When unplugging the power cord of the battery charger, be sure to hold the power plug.**



Pulling the power cord can damage it and cause a fire or electronic shock.



**Before discarding the worn battery pack, affix tape or the like to its terminals.**



**Before using this transceiver in a hybrid or fuel-saving car, be sure to check with the automobile manufacturer regarding use of the transceiver in that car.**

Noise generated by an onboard electrical device (inverter, etc.) can disrupt the normal operation of the transceiver.

## Safety Precautions (Be Sure to Read)

### About Waterproofing Feature Conforming to IPX5

When the included antenna and battery pack are installed and the MIC/SP jack, EXT DC IN jack, DATA terminal, and micro SD slot are securely covered with rubber caps, this product is moisture and splash resistant. To ensure continued waterproofing protection, be sure to check the following points before use.

○ **Check for damages, deterioration, and dirt.**

Antenna rubber, key switch rubber, MIC/SP jack, EXT DC IN jack, DATA terminal, micro SD slot rubber cap, and battery pack joint.

○ **Cleaning**

When this product is contaminated with seawater, sand, or dirt, rinse with fresh water, and then wipe with a dry cloth immediately.

○ **Recommended maintenance interval**

It is recommended that you ask for maintenance of this product when one year has passed since purchase or previous maintenance or when any damage or deterioration is found. Note that the maintenance service is subject to fees.

○ **Do not immerse this product in the following liquids:**

Sea, pool, hot spring, water containing soap, detergent, or bath additive, alcohol, or chemicals

○ **Do not leave this product for a long time in the following places:**

Bathroom, kitchen, or humid place

○ **Other precautions**

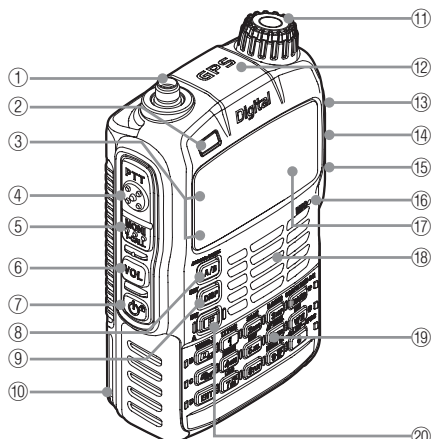
Since this product is not totally waterproof, it cannot be used in water.

Read this information first

## Before Transmitting Radio Waves

If you are informed that the radio waves emitted from your amateur station are interfering with the TV, radio reception, etc., of a neighbor, you should stop emitting the radio waves, and determine whether any problem of interference exists, and if necessary resolve the interference problem.

## Names and Functions of Controls




















①	<b>Antenna terminal (SMA)*</b>
②	<b>Flashlight (White LED)</b> • This LED can be used as a small flashlight in a dark place.
③	<b>A-band BUSY/TX lamp</b> <b>B-band BUSY/TX lamp</b> These lamps light green during reception and red during transmission.
④	<b>PTT switch</b> • While  switch is being pressed: Transmission. • The Set mode ends when  switch is pressed during the Set mode.
⑤	<b>switch</b> <b>USA/EXP version</b> While  is being pressed: Squelch OFF <b>European version</b> While  is being pressed: T.CALL (1750 Hz)
⑥	<b>VOL switch</b> • While pressing , turn : Volume level adjustment • Pressing  during the sound is being muted cancels the Mute function.
⑦	<b>Power switch</b> • Press and hold  over 1 second: Power on. • Press and hold  over 1 second again: Power off. • Press : Key lock
⑧	<b>key</b> (switching between operating bands) • Pressing  each time switches between A-band and B-band. • Press and hold  over 1 second: Changes the Dual Band Reception mode to the Mono Band Reception mode. • While operating the transceiver in the Mono Band Reception mode, press  and then : Zooms in the display view.

⑨	<b>key</b> • Pressing  each time switches between the Frequency and BACKTRACK screen. • Press and hold  over 1 second: Enters the Set mode.
⑩	<b>Battery pack*</b>
⑪	<b>DIAL</b> Turn this dial to change the reception frequency or select a memory channel.
⑫	<b>GPS antenna</b>
⑬	<b>MIC/SP jack*</b> Connect a speaker microphone or earpiece microphone to this jack. It is not waterproofed when an external microphone is connected. Do not connect any microphone which is not specified by Yaesu. A failure can result.
⑭	<b>EXT DC IN jack*</b> • When charging the battery pack, connect the battery charger (PA-48 or SAD-11B) to this jack. • <b>In the USA/EXP market</b> , connect an external power supply adapter with a cigarette lighter plug (SDD-13) or an external power cable (E-DC-6) to this jack. Do not connect any battery charger which is not specified by Yaesu. A failure can result.
⑮	<b>DATA terminal*</b> • Use this terminal when using a clone function or updating the firmware. • Connect the optional camera-equipped microphone (MH-85A11U). • For how to update the firmware, access our home page.
⑯	<b>Microphone</b>
⑰	<b>Display</b> This LCD displays reception frequencies and various settings.
⑱	<b>Speaker</b>
⑲	<b>15 keys</b> These keys are used to specify reception/transmission frequency or select a function.
⑳	<b>switch</b> • Press  Function switch • Press and hold  over 1 second: Registers a frequency to a memory channel.

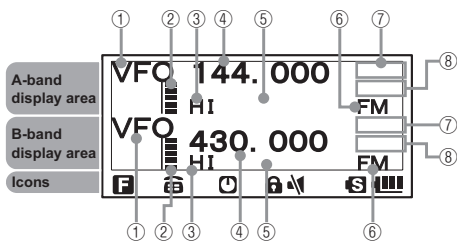
\* When the included antenna and battery pack are installed and the MIC/SP jack, EXT DC IN jack, DATA terminal, and micro SD slot are securely covered with rubber caps, the FT1XDR/DE meets the waterproofing performance conforming to IPX5 (See page 11).

## Names and Functions of Controls

KEY	When pressed		When pressed and held over 1 second	The key is pressed after  pressed
	When entering a frequency or recalling a memory CH	When inputting a tag		
	Switches between radio wave types.	—	Starts WIRE-S-X	—
	Turns on/off the GM function.	—	—	—
	Determines the function selection	Moves the cursor to the right.	—	—
	Number "1"	Number "1"	—	Enables transmission power level switching.
	Number "2"	Number "2", or Upper or Lower case characters "A", "B", "C", "a", "b", or "c"	—	Enables scan operation.
	Number "3"	Number "3", or Upper or Lower case characters "D", "E", or "F", "d", "e", or "f"	—	Recalls a preset receiver memory channel
	Number "4"	Number "4", or Upper or Lower case characters "G", "H", or "I", "g", "h", or "i"	—	Enables home channel selection.
	Number "5"	Number "5", or Upper or Lower case characters "J", "K", or "L", "j", "k", or "l"	—	Enables reversal function.
	Number "6"	Number "6", or Upper or Lower case characters "M", "N", or "O", "m", "n", or "o"	—	Enables AF DUAL function.
	Number "7"	Number "7", or Upper or Lower case characters "P", "Q", "R", or "S", "p", "q", or "r", or "s"	—	Displays QSO LOG data.
	Number "8"	Number "8", or Upper or Lower case characters "T", "U", or "V", "t", "u", or "v"	—	—
	Number "9"	Number "9", or Upper or Lower case characters "W", "X", or "Y", "Z", "w", "x", "y", or "z"	—	Transmits APRS beacon.
	Number "0"	Number "0"	—	Displays APRS stations/APRS Message LIST.
	Increases the frequency band.	—	Enables band scope function.	Decreases the frequency band.
	Switches between the VFO mode and Memory Channel mode.	—	—	Enables dual watch function.
	—	Erases a character and the cursor moves to the left.	Enters the Memory Channel Registration mode.	—

Read this information first

## Names and Functions of Controls



- ① Displays choice of the VFO mode or MR (memory channel) mode.
- ② Displays a sound volume bar graph.
- ③ Displays a transmission power level icon.
- ④ Displays an operating frequency.
- ⑤ S meter: Displays the radio wave strength in 9 steps.

PO meter: Displays the transmission power level in 4 steps.

H I: High power (5 W)

L 3: LOW 3 power (2.5 W)

L 2: LOW 2 power (1 W)

L 1: LOW 1 power (0.1 W)

- ⑥ Displays the operating mode (radio wave type).

FM FM (Analog) mode

■FM Auto mode (automatic switching among Analog AM, Analog FM, and Digital)

DN Wide digital mode (digital communication using C4FM modulation)

VW Wide digital mode (High quality digital communication)

- ⑦ Displays a squelch type (See page 84).

TN: Lights up when the tone encoder function is enabled.

TSQ: Lights up when the tone squelch function is enabled.

DCS: Lights up when the DCS function is enabled

RTN: Lights up when the reverse tone function is enabled.

PR: Lights up when the idle signal squelch function is enabled.

PAG: Lights up when the pager is enabled.

Displays the APRS baud rate (APRS function instruction manual).

- ⑧ Displays a shift direction during repeater operation (See page 40).

⊖: Minus shift

⊕: Plus shift

⊞: Split operation

🔔 appears when the bell alarm function is active (See page 89).

## Description of Icons

Icon	Description of operation
	Lights when a function key is pressed.
	Lights when the DTMF function is enabled (See page 79).
	Lights when the APO function is active (See page 127).
	Lights when the LOCK function is active (See page 39).
	Lights when the MUTE function is active (See page 35).
	Lights when a micro SD memory card is inserted.
H I	Displays the transmission power level (See page 36). H I: High power (5 W) L 3: LOW 3 power (2.5 W) L 2: LOW 2 power (1 W) L 1: LOW 1 power (0.1 W)

Icon	Description of operation
	Displays battery condition. : Full battery power : Enough battery power : Low battery power : Poor battery power. Charge battery. : Charge battery immediately (blink).