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> [Yaesu FT-25R 144 MHz VHF FM Handheld Transceiver User Manual](#)

YAESU FT-25R

Yaesu FT-25R 144 MHz VHF FM Handheld Transceiver User Manual

Model: FT-25R

INTRODUCTION

The Yaesu FT-25R is a robust and reliable 144 MHz VHF FM handheld transceiver designed for clear and efficient communication. This manual provides essential information for the safe and effective operation of your device, covering setup, basic functions, and maintenance.

SAFETY INFORMATION

- **Read all instructions:** Before operating the transceiver, thoroughly read and understand all instructions provided in this manual.
- **Antenna safety:** Never touch the antenna during transmission. Avoid operating the transceiver near unshielded blasting caps or in explosive atmospheres.
- **Battery care:** Use only the specified battery pack and charger. Do not short-circuit, incinerate, or disassemble the battery pack.
- **Water exposure:** While the FT-25R has an IP54 rating for dust and splash protection, avoid submerging the unit in water.
- **Hearing protection:** Prolonged exposure to high volume levels can cause hearing damage. Adjust the volume to a comfortable level.

PACKAGE CONTENTS

Verify that your package contains the following items:

- Yaesu FT-25R Transceiver Unit
- Antenna
- Battery Pack
- Battery Charger
- Belt Clip

- User Manual (this document)

PRODUCT OVERVIEW

Familiarize yourself with the various parts of your FT-25R transceiver.





Figure 1: Front view of the Yaesu FT-25R transceiver, showing the antenna, volume/power knob, display, and keypad. The display shows "146.520" MHz, indicating the current operating frequency. The keypad includes numerical inputs and function keys like P1-P4, MR, SET, and VFO.

Key Components:

- **Antenna:** For transmitting and receiving radio signals.
- **Volume/Power Knob:** Controls power ON/OFF and audio volume.
- **LCD Display:** Shows frequency, channel number, battery status, and other operational indicators.
- **Keypad:** Used for frequency entry, channel selection, and accessing various functions.
- **PTT (Push-To-Talk) Button:** Located on the side, press to transmit.
- **Speaker/Microphone Jack:** For external audio accessories.

SETUP

1. Battery Installation and Charging:

1. Ensure the transceiver is powered off.
2. Align the battery pack with the battery compartment on the back of the transceiver.
3. Slide the battery pack into place until it clicks securely.
4. Connect the battery charger to a power outlet and then to the charging port on the transceiver or battery pack.
5. Allow the battery to charge fully before first use (refer to charger indicator for status).

2. Antenna Attachment:

1. Screw the supplied antenna clockwise onto the antenna connector on the top of the transceiver until it is

finger-tight. Do not overtighten.

3. Belt Clip Installation:

1. Attach the belt clip to the designated area on the back of the transceiver using the provided screws.

BASIC OPERATION

1. Power On/Off and Volume:

- To power on, rotate the Volume/Power knob clockwise until it clicks.
- To adjust volume, continue rotating the knob.
- To power off, rotate the knob counter-clockwise until it clicks.

2. Frequency Selection (VFO Mode):

- Press the **#VFO** key to enter VFO (Variable Frequency Oscillator) mode.
- Use the numeric keypad to directly enter the desired frequency (e.g., **146520** for 146.520 MHz).
- Alternatively, use the **UP/DOWN** arrow keys (above 2ABC and 5JKL) to tune the frequency in steps.

3. Transmitting and Receiving:

- To receive, simply listen to the speaker. The display will show the current frequency.
- To transmit, press and hold the **PTT** button on the side of the transceiver. Speak clearly into the microphone.
- Release the **PTT** button to return to receive mode.

ADVANCED FEATURES

1. Memory Channel Programming:

1. Tune to the desired frequency in VFO mode.
2. Press the ***MR** key to enter Memory Recall mode.
3. Select an empty memory channel using the **UP/DOWN** arrow keys.
4. Press and hold the ***MR** key again until you hear a beep, indicating the frequency is saved.

2. Scanning:

- The FT-25R supports various scanning functions (e.g., VFO scan, Memory scan). Consult the full manual for detailed instructions on activating and customizing scan modes.

3. Squelch Adjustment:

- The squelch circuit mutes background noise when no signal is present. Adjust the squelch level via the menu (**OSET** key) to an appropriate level where noise is suppressed but weak signals can still be received.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the exterior of the transceiver. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** To prolong battery life, avoid overcharging or completely discharging the battery frequently. Store the transceiver and battery in a cool, dry place when not in use for extended periods.
- **Antenna:** Periodically check the antenna connection for tightness.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Battery discharged or improperly installed.	Charge the battery or re-install it correctly.
Cannot transmit or receive	Incorrect frequency, squelch too high, or antenna not connected.	Verify frequency, adjust squelch, check antenna connection.
Poor audio quality	Low battery, weak signal, or external interference.	Charge battery, move to an area with better signal, check for interference sources.

SPECIFICATIONS

Feature	Detail
Brand	YAESU
Model Number	FT-25R
Frequency Range	144 MHz VHF (Mono Band)
Item Weight	8.4 ounces (approx. 238 grams)
Product Dimensions	3 x 1.5 x 5 inches (approx. 7.6 x 3.8 x 12.7 cm)
International Protection Rating	IP54 (Dust and Splash Protection)
Number of Channels	1
UPC	702685259222, 788026159512

WARRANTY AND SUPPORT

The Yaesu FT-25R transceiver comes with a **3-Year Warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. For warranty claims or technical support, please contact your authorized Yaesu dealer or visit the official Yaesu website for service information.

For further assistance, refer to the comprehensive user manual available on the Yaesu support portal or contact customer service.