DEWALT 2DXFRS800-SV1

DEWALT DXFRS800 Heavy Duty Walkie Talkies User Manual

Comprehensive guide for setup, operation, and maintenance of your DEWALT DXFRS800 2 Watt Heavy Duty Walkie Talkies.

1. Getting Started

Thank you for choosing the DEWALT DXFRS800 Heavy Duty Walkie Talkies. These radios are designed for reliable communication in demanding environments, offering waterproof, shock-resistant, and long-range capabilities. Before first use, please ensure all components are present and familiarize yourself with the radio's features.

1.1 What's in the Box

- 4x DEWALT DXFRS800 Walkie Talkie Two Way Radios
- 4x Li-Polymer Batteries
- 4x Holsters
- 2x Dual Port Micro-USB Charger (each with 2 Dock Adapters)
- 2x AC Adapters
- User Guide (this manual)
- 4x DXFRSSV1 Headsets



Image: The complete DEWALT DXFRS800 4-pack, showing the walkie talkies, charging docks, and earpieces.



Image: The included holsters, designed to securely attach the radios to clothing or gear.

2. Product Overview

The DEWALT DXFRS800 radios are built for durability and clear communication. They feature a robust design with an easy-to-read display and intuitive controls.



Image: Front view of two DEWALT DXFRS800 radios, showcasing their display, buttons, and overall design.

2.1 Key Features

- **Ultra-Clear Long Distance Reception:** 2 Watt RF output with a range of 300,000 sq.ft. or 25 floors.
- **Rugged Durability:** IP67 rated for water and dust protection, shock resistant, and anti-slip design, capable of withstanding drops up to 2 meters.
- **Secure Talk:** 22 preset channels and 121 privacy codes to minimize interference.
- **Long Runtime:** Up to 18 hours of continuous use with battery saving technology.

- **Versatile Operation:** Hands-free VOX operation, vibration alert, roger beep, and auto squelch.



Image: Demonstrates the radio's IP67 waterproof and dustproof capabilities, along with its 2-meter shock resistance.

3. Setup

3.1 Battery Installation

1. Locate the battery compartment cover on the back of the radio.
2. Using a small Phillips head screwdriver, unscrew the two screws securing the battery cover.
3. Carefully remove the battery cover.
4. Insert the Li-Polymer battery into the compartment, ensuring the contacts align correctly.
5. Replace the battery cover and secure it with the two screws. Do not overtighten.



Image: Illustrates the process of opening the battery compartment and inserting the Li-Polymer battery.

3.2 Charging the Batteries

The DEWALT DXFRS800 radios can be charged using either the included desktop charger or a USB-C cable.

Using the Desktop Charger:

1. Connect the AC adapter to the dual port micro-USB charger.
2. Plug the AC adapter into a standard wall outlet.
3. Place the walkie talkie into one of the charging docks. Ensure the radio is seated correctly and the charging indicator light illuminates.
4. A full charge typically takes several hours. The indicator light will change or turn off when charging is complete.

Using USB-C:

1. Connect a USB-C cable (not included with individual radios, but part of the charger setup) to the USB-C port on the side of the radio.
2. Connect the other end of the USB-C cable to a compatible USB power source (e.g., computer, wall adapter).

3. The radio's display will indicate charging status.



Image: Shows both the desktop charging dock and direct USB-C charging options for the radios.



Image: The dual port micro-USB charger, used for charging two radios simultaneously.

4. Operating Instructions

4.1 Power On/Off

- To power on, rotate the Power/Volume knob clockwise until you hear a click and the display illuminates.
- To power off, rotate the Power/Volume knob counter-clockwise until you hear a click and the display turns off.

4.2 Adjusting Volume

Rotate the Power/Volume knob clockwise to increase volume and counter-clockwise to decrease volume.

4.3 Channel Selection

The DXFRS800 has 22 preset channels. To communicate with another radio, both radios must be set to the same channel and privacy code.

1. Press the **MODE** button to enter channel selection mode.
2. Use the **Up** and **Down** arrow buttons to select your desired channel (1-22).
3. Press the **CALL** button or wait a few seconds for the selection to be confirmed.



Image: The radio's display showing channel and privacy code settings, along with battery and power saver indicators.

4.4 Transmitting and Receiving

- To transmit, press and hold the **Push-to-Talk (PTT)** button located on the side of the radio. Speak clearly into the microphone.
- Release the PTT button to receive.

4.5 VOX (Voice-Activated Transmission)

VOX allows for hands-free operation. When activated, the radio will transmit automatically when it detects your voice.

1. Refer to the user guide for specific steps to enable and adjust VOX sensitivity.



Image: Illustrates VOX hands-free operation and the vibration alert feature.

4.6 Vibration Alert

The vibration alert provides enhanced vibrating feedback for incoming transmissions, useful in noisy environments or when discretion is required.

1. Refer to the user guide for specific steps to enable or disable the vibration alert.

4.7 Privacy Codes (CTCSS/DCS)

The DXFRS800 supports 121 privacy codes (38 CTCSS / 83 DCS) to minimize interference from other users on the same channel. Both radios must use the same channel and privacy code to communicate.

1. Press the **MODE** button repeatedly until the privacy code setting appears on the display.
2. Use the **Up** and **Down** arrow buttons to select your desired privacy code.
3. Press the **CALL** button or wait a few seconds for the selection to be confirmed.

4.8 Auto Squelch

The auto squelch feature automatically mutes weak transmissions and unwanted noise, improving audio clarity.

4.9 Roger Beep

The Roger Beep is an audible tone transmitted when you release the PTT button, signaling to other users that you have finished speaking.

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your DEWALT DXFRS800 walkie talkies.

5.1 Cleaning

- The radios are IP67 rated, meaning they are protected from dust ingress and can withstand immersion in water up to 1 meter for 30 minutes.
- To clean, wipe the radio with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- Ensure the USB-C port cover is securely closed to maintain water and dust resistance.

5.2 Battery Care and Storage

- To maximize battery life, fully charge the batteries before first use.
- Avoid extreme temperatures when storing the radios and batteries.
- If storing for extended periods, charge the batteries to approximately 50% capacity and recharge every 3-6 months.
- Dispose of batteries according to local regulations.



Image: Highlights the radio's impressive battery runtime of up to 18 hours.

6. Troubleshooting

If you experience issues with your DEWALT DXFRS800 walkie talkies, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No Power	Battery low or not installed correctly.	Ensure battery is fully charged and correctly inserted. Check power knob is turned on.
Poor Reception / Static	Out of range, interference, or incorrect channel/privacy code.	Move closer to the other radio. Change channels or privacy codes. Ensure both radios are on the same channel and privacy code.

Problem	Possible Cause	Solution
Cannot Transmit	PTT button not pressed, battery low, or radio is in scan/monitor mode.	Press and hold PTT button firmly. Recharge battery. Exit any special modes.
Short Battery Life	Battery not fully charged, old battery, or frequent transmission.	Ensure full charge. Consider replacing old batteries. Minimize continuous transmission.

7. Specifications

Detailed technical specifications for the DEWALT DXFRS800 walkie talkies:

Feature	Detail
Model Number	2DXFRS800-SV1
Frequency Range	UHF/FM FRS 462/467MHz
Number of Channels	22 Preset Channels
Privacy Codes	121 (38 CTCSS / 83 DCS)
RF Output Power	2 Watt
Talking Range Maximum	300,000 sq.ft. / 25 Floors
Battery Type	3.7V @ 2000mAh Li-Polymer (included)
Runtime	Up to 18 Hours (90% Standby / 5% Talk / 5% Listen)
Water Resistance Level	IP67 Waterproof and Dustproof
Shock Resistance	Withstands drops up to 2M
Product Dimensions	2.17"D x 2.58"W x 7.27"H
Item Weight	6.35 oz (180g) per radio
Speaker/Mic Jack	2.5mm
Rechargeable	USB-C

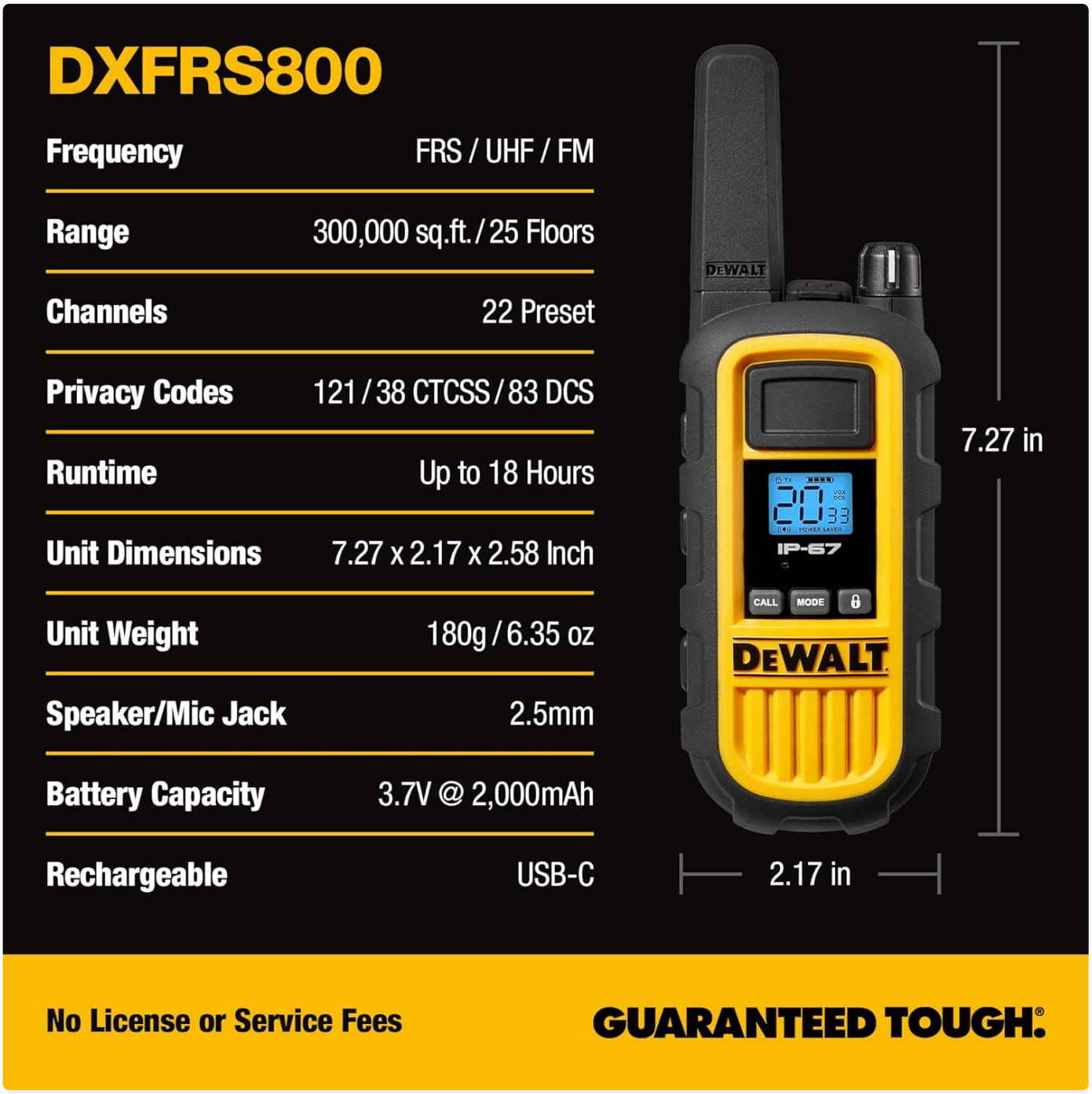


Image: Visual representation of the DXFRS800 technical specifications.



Image: Illustrates the radio's powerful 2 Watt output and extensive communication range.

8. Warranty and Support

8.1 Warranty Information

DEWALT products are built to last and are backed by a commitment to quality. For specific warranty details regarding your DXFRS800 walkie talkies, please refer to the warranty card included with your purchase or visit the official DEWALT website. Keep your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, troubleshooting not covered in this manual, or inquiries about accessories, please contact DEWALT customer support. Contact information can typically be found on the DEWALT website or on the product packaging.

You can also visit the official DEWALT store on Amazon for more information and related products:DEWALT Store

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Example: How do I reset this device or fix this error?

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