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DEWALT 2DXFRS300-SV1

DEWALT DXFRS300-SV1 FRS Walkie Talkies Instruction Manual

Model: 2DXFRS300-SV1

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your DEWALT DXFRS300-SV1 FRS Walkie Talkies. Please read this manual thoroughly before using the product and retain it for future reference.

The DEWALT DXFRS300-SV1 walkie talkies are designed for demanding environments, offering long-range communication, rugged IP67 protection against water and dust, and secure channels. They are suitable for coordinating teams in various settings, from construction sites to outdoor activities.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact your retailer.

- 4x DEWALT DXFRS300 Walkie Talkie Two Way Radios
- 4x Li-Polymer Batteries
- 4x Holsters
- 2x Dual Port Micro-USB Chargers (each with 2 Dock Adapters)
- 2x AC Adapters
- 1x User Guide
- 4x DXFRSSV1 Headsets

3. SETUP

3.1 Battery Installation

Before first use, install the Li-Polymer battery into each walkie talkie.

1. Ensure the walkie talkie is powered off.
2. Locate the battery compartment cover on the back of the radio.
3. Carefully remove the battery compartment cover.
4. Insert the Li-Polymer battery, ensuring the contacts align correctly.

5. Replace the battery compartment cover and secure it firmly.



Figure 3.1: Battery installation in the DEWALT DXFRS300 walkie talkie.

3.2 Charging the Batteries

The walkie talkies come with rechargeable Li-Polymer batteries. It is recommended to fully charge the batteries before initial use.

You have two charging options:

- **Desktop Charger:** Place the walkie talkie into the dual-port desktop charging dock. Ensure the radio is seated correctly and the charging indicator light illuminates.
- **USB-C Charging:** Connect a USB-C cable to the charging port on the side of the walkie talkie and then to an AC adapter or compatible USB power source.



U.S. Owned & Operated
in Towson, Maryland

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DEWALT® YELLOW & BLACK®. IT'S MORE THAN JUST A COLOR SCHEME.

The jobsite is where you'll find our products. It's where we test them, where they're used, and where they prove themselves.

The entire DEWALT line thrives on the jobsite because that's where product ideas come from. To carry the DEWALT name, a tool must not only stand up to the rigors of the jobsite, it must get the job done. And it must do it day after day.

HEAVY DUTY JOBSITE RADIOS

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Figure 3.2: Two convenient charging methods: desktop charger and USB-C direct connection.

3.3 Attaching the Holster/Belt Clip

To carry your walkie talkie conveniently, attach the provided holster or belt clip.

1. Align the belt clip with the designated slots on the back of the walkie talkie.
2. Slide the clip downwards until it locks securely into place.
3. To remove, push the release tab (if present) and slide the clip upwards.



Figure 3.3: DEWALT walkie talkie with an attached belt clip for hands-free carrying.

3.4 Connecting Headsets

For hands-free operation and enhanced privacy, connect the DXFRSSV1 headsets to the walkie talkies.

1. Locate the speaker/mic jack on the side of the walkie talkie.
2. Insert the headset's 2.5mm plug firmly into the jack.
3. Adjust the earpiece and microphone for comfortable use.



Figure 3.4: DXFRSSV1 Headset for hands-free communication.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

To power on the walkie talkie, rotate the power/volume knob clockwise until you hear a click and the display illuminates. To power off, rotate the knob counter-clockwise until it clicks off.

4.2 Channel Selection

Your DEWALT walkie talkie operates on 22 FRS channels. To change channels:

1. Press the **MODE** button to enter channel selection mode.
2. Use the **Up/Down** buttons to select your desired channel (1-22).
3. Press the **MODE** button again to confirm your selection or wait a few seconds for it to auto-confirm.

4.3 Privacy Codes (CTCSS/DCS)

The radios support 121 privacy codes (38 CTCSS / 83 DCS) to minimize interference from other users on the same channel. To set a privacy code:

1. Select your desired channel first (see 4.2).
2. Press the **MODE** button twice to enter privacy code selection mode.
3. Use the **Up/Down** buttons to select your desired privacy code.
4. Press the **MODE** button again to confirm.



Figure 4.1: Display showing channel, privacy code, and power saver indicator.

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 Hands-Free Operation

The Voice-Activated Transmission (VOX) feature allows you to transmit without pressing the PTT button. This is especially useful when your hands are occupied.

1. To activate VOX, consult your radio's specific menu settings (usually accessed via the **MODE** button).
2. Adjust the VOX sensitivity level to prevent accidental transmissions or missed voice activations.

VOX Hands-Free

Voice-activated transmission
frees hands for other tasks



Vibration Alerts

Enhanced vibrating feedback
for incoming transmissions



Figure 4.2: VOX Hands-Free operation in a work environment.

4.6 Vibration Alerts

The walkie talkies feature vibration alerts for incoming transmissions, providing a discreet notification in noisy environments or when you cannot hear the audio alert.

1. To enable or disable vibration alerts, navigate through the radio's menu using the **MODE** button.
2. Select the vibration alert option and toggle it on or off.

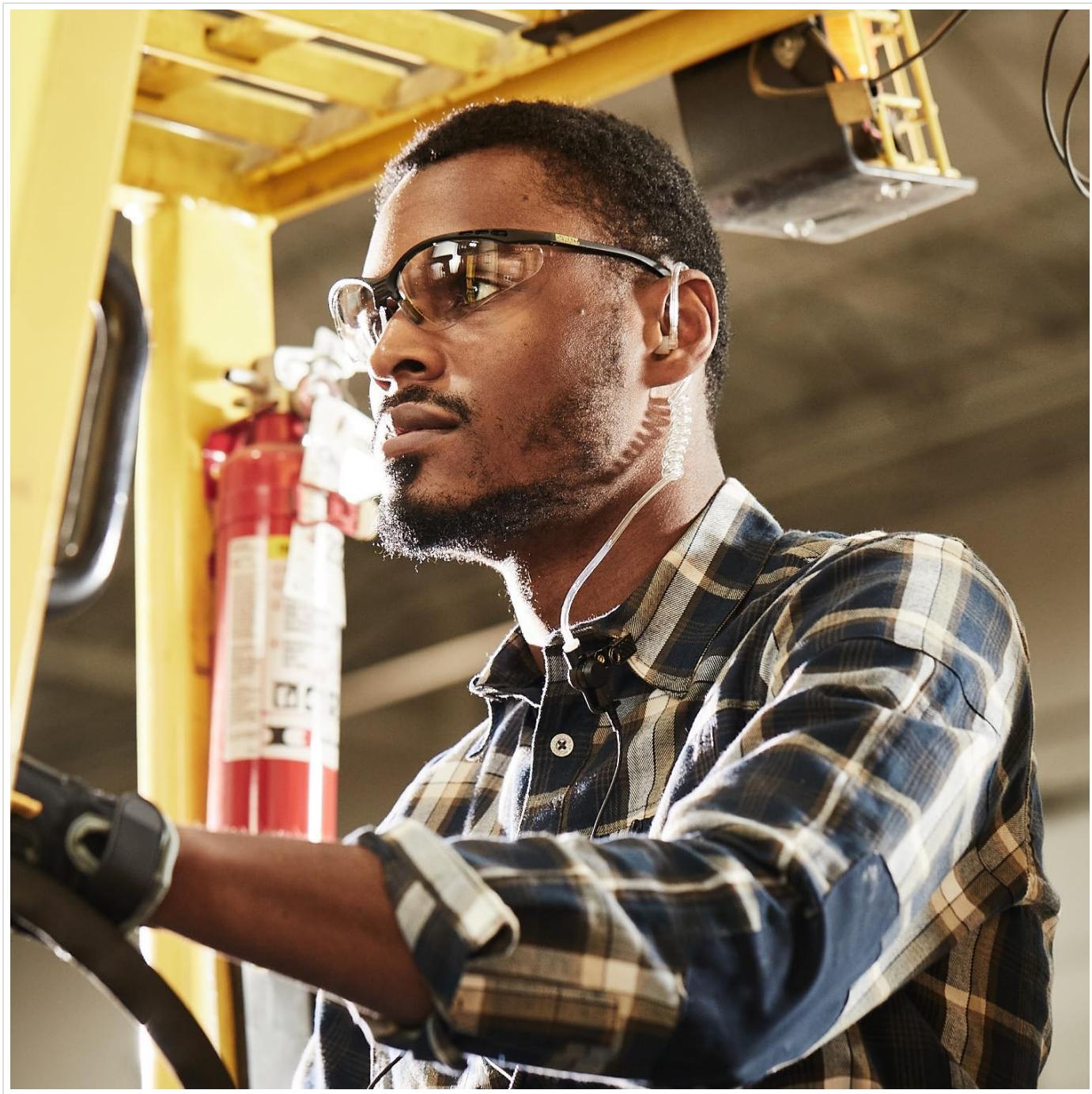


Figure 4.3: Vibration alerts provide discreet notification of incoming transmissions.

4.7 Call Button

Press the **CALL** button to send an audible alert tone to other radios on the same channel and privacy code, signaling that you wish to communicate.

5. MAINTENANCE

5.1 Cleaning

To clean your walkie talkie, use a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure all ports are closed before cleaning to maintain water and dust resistance.

5.2 Battery Care

To maximize battery life and performance:

- Fully charge batteries before first use.
- Avoid overcharging or completely draining the battery.
- Store radios and batteries in a cool, dry place when not in use.

5.3 Water and Dust Resistance

The DEWALT DXFRS300-SV1 radios are IP67 rated, meaning they are protected against dust ingress and can withstand immersion in water up to 1 meter for 30 minutes. Ensure all port covers are securely closed to maintain this rating.



Figure 5.1: The DXFRS300-SV1 is IP67 rated for water and dust resistance.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Radio does not power on	Low or uncharged battery; Incorrect battery installation	Charge the battery; Reinstall battery correctly
Poor range or signal quality	Obstructions (buildings, terrain); Distance too great; Low battery	Move to an open area; Reduce distance between radios; Recharge battery
Cannot transmit or receive	Incorrect channel/privacy code; PTT button not pressed/released; VOX sensitivity too low	Verify channel and privacy code match; Ensure PTT is pressed to talk, released to listen; Adjust VOX sensitivity
Audio is distorted or too low	Volume too low; Radio too far from mouth; Interference	Increase volume; Speak closer to microphone; Change channel/privacy code

7. SPECIFICATIONS

Detailed technical specifications for the DEWALT DXFRS300-SV1 Walkie Talkies:

Feature	Specification
Model Number	2DXFRS300-SV1
Frequency Range	UHF/FM FRS 462/467MHz
Number of Channels	22 FRS Channels
Privacy Codes	121 (38 CTCSS / 83 DCS)
RF Power Output	1 Watt
Maximum Talking Range	Up to 250,000 sq. ft. or 20 floors (optimal conditions)
Battery Type	Li-Polymer (3.7V @ 1000mAh)
Battery Runtime	Up to 12 hours (90% Standby / 5% Talk / 5% Listen)
Water Resistance Level	IP67 (Waterproof & Dustproof)
Shock Resistance	Withstands drops up to 2 meters
Product Dimensions	6.22 x 2.15 x 2.37 inches (Unit)
Item Weight	5.57 oz (158g) (Unit)
Speaker/Mic Jack	2.5mm
Rechargeable	USB-C

DXFRS300

Frequency	FRS / UHF / FM
Range	250,000 sq.ft. / 20 Floors
Channels	22 Preset
Privacy Codes	121 / 38 CTCSS / 83 DCS
Runtime	Up to 12 Hours
Unit Dimensions	6.22 x 2.15 x 2.37 Inch
Unit Weight	158g / 5.57 oz
Speaker/Mic Jack	2.5mm
Battery Capacity	3.7V @ 1,000mAh
Rechargeable	USB-C



No License or Service Fees

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Figure 7.1: DEWALT DXFRS300-SV1 Technical Specifications.

8. WARRANTY AND SUPPORT

8.1 Limited Lifetime Warranty

DEWALT offers a limited lifetime warranty on this product. We pledge to replace any product that is defective in material or workmanship for as long as you are the original purchaser. This warranty does not cover failures due to abuse, accidental damage, or when repairs have been made or attempted by anyone other than DEWALT Authorized Service Centers. This warranty does not apply to accessories and consumables.



Figure 8.1: DEWALT Limited Lifetime Warranty details.

8.2 Manufacturer Information

Manufactured by Shineflex US LLC.

For further support or inquiries, please refer to the contact information provided with your purchase documentation or visit the official DEWALT website.