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Model: FX-300 TWIN

1. INTRODUCTION

Thank you for choosing the Brondi FX-300 TWIN radio walkie talkie. This device is designed for reliable two-way communication, offering a range of up to 10 km in open field conditions. It operates on the PMR446 standard, providing 8 channels and 38 sub-codes for clear and private conversations. This manual will guide you through the setup, operation, and maintenance of your new walkie talkies.

2. SAFETY INFORMATION

- Do not use the device in explosive atmospheres (e.g., near gas pumps, fuel storage areas, chemical plants).
- Keep the device away from medical devices such as pacemakers, as it may interfere with their operation.
- Use only specified batteries and chargers. Incorrect use may cause fire, explosion, or other hazards.
- Do not expose the device to extreme temperatures, direct sunlight, or excessive moisture.
- Do not attempt to disassemble or modify the device. Refer all servicing to qualified personnel.
- Dispose of batteries and the device according to local regulations.

3. PACKAGE CONTENTS

The Brondi FX-300 TWIN package typically includes:

- 2 x Brondi FX-300 TWIN Walkie Talkie Units
- User Manual (this document)
- Belt Clips (if included)



This image displays the Brondi FX-300 TWIN walkie-talkie set, including two units, as packaged for retail sale.

4. PRODUCT OVERVIEW

Familiarize yourself with the main components of your Brondi FX-300 TWIN walkie talkie:

- **Antenna:** For transmitting and receiving signals.
- **LCD Display:** Shows channel, battery status, and other indicators.
- **Speaker/Microphone:** For audio output and input.
- **Power/Volume Knob:** To turn the unit on/off and adjust volume.
- **PTT (Push-to-Talk) Button:** Press and hold to transmit, release to receive.
- **Channel Up/Down Buttons:** To change communication channels.
- **Menu Button:** To access settings and features.
- **Headphone Jack:** For connecting an external headset.

5. SETUP

5.1. Battery Installation

1. Ensure the walkie talkie is turned off.
2. Locate the battery compartment cover on the back of the unit.
3. Slide or unclip the cover to open the compartment.
4. Insert 4 AAA batteries (either rechargeable or alkaline) into the compartment, observing the correct polarity (+/-) as indicated.
5. Replace the battery compartment cover, ensuring it clicks securely into place.

5.2. Powering 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.

6. OPERATING INSTRUCTIONS

6.1. Adjusting Volume

Rotate the Power/Volume knob to adjust the listening volume to a comfortable level.

6.2. Channel Selection

To communicate with another walkie talkie, both units must be set to the same channel and sub-code.

1. Press the **Menu** button once. The channel number on the display will flash.
2. Use the **Channel Up/Down** buttons to select one of the 8 available channels.
3. Press the **Menu** button again. The sub-code number will flash.
4. Use the **Channel Up/Down** buttons to select one of the 38 available sub-codes.
5. Press the **Menu** button or wait a few seconds for the setting to be saved.

6.3. Transmitting and Receiving

- **To Transmit:** Press and hold the **PTT (Push-to-Talk)** button. Speak clearly into the microphone. Release the PTT button when you finish speaking.
- **To Receive:** Ensure the PTT button is not pressed. The unit will automatically receive signals on the selected channel.

6.4. VOX Function (Voice Operated Exchange)

The VOX function allows hands-free transmission. When activated, the walkie talkie will automatically transmit when it detects your voice.

1. Press the **Menu** button repeatedly until the VOX icon appears on the display.
2. Use the **Channel Up/Down** buttons to select a VOX sensitivity level (e.g., 1, 2, 3, where 3 is most sensitive). Select 'OFF' to disable VOX.
3. Press the **Menu** button or wait for the setting to be saved.

6.5. Dual Channel Monitoring

The FX-300 TWIN can continuously monitor two channels simultaneously. Refer to your device's specific menu options for activating this feature.

6.6. Stopwatch Function

The device includes a stopwatch feature. Access this function through the **Menu** button and follow the on-screen prompts to start, stop, and reset the timer.

6.7. Keypad Lock

To prevent accidental changes to settings, you can lock the keypad. Refer to your device's specific menu options for activating and deactivating the keypad lock.

6.8. Headphone Connection

Connect a compatible 2.5mm or 3.5mm (check device specifications) headset to the headphone jack for private listening and hands-free operation.

6.9. Backlit Display

The display features a backlight for improved visibility in low-light conditions. This typically activates automatically when a button is pressed and turns off after a short period of inactivity.

6.10. Switchable Sounds

The device allows you to enable or disable certain sounds, such as key tones or Roger Beep (end-of-transmission tone). Adjust these settings via the **Menu** options.

7. MAINTENANCE

- **Cleaning:** Wipe the device with a soft, damp cloth. Do not use harsh chemicals or abrasive cleaners.

- **Battery Care:** If the device will not be used for an extended period, remove the batteries to prevent leakage.
- **Storage:** Store the walkie talkie in a cool, dry place away from direct sunlight and extreme temperatures.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No power	Batteries are dead or incorrectly installed.	Replace batteries or check polarity.
Cannot communicate with other units	Different channels/sub-codes; out of range.	Ensure all units are on the same channel and sub-code. Move closer to the other unit.
Poor audio quality	Low battery; interference; out of range.	Charge/replace batteries. Move away from sources of interference. Move closer to the other unit.
Keypad unresponsive	Keypad lock is active.	Deactivate the keypad lock via the menu.

9. SPECIFICATIONS

- **Standard:** PMR446
- **Frequency:** 446 - 446.1 MHz
- **Output Power:** 500 mW ERP Max
- **Channels:** 8 channels + 38 sub-codes
- **Range:** Up to 10 km in open field
- **Batteries:** 4 x AAA batteries (rechargeable or alkaline)
- **Autonomy:** Approximately 20 hours (depending on usage and battery type)
- **Weight (with batteries):** 162 g
- **Special Features:** Stopwatch, Backlit Display, VOX (3 levels), Dual Channel Monitoring, Channel Lock, Headphone Jack, Switchable Sounds

10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided at the time of purchase or visit the official Brondi website. Keep your proof of purchase for any warranty claims.