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› Carrborg X13 Nationwide LTE Walkie Talkie User Manual

Carrborg X13

Carrborg X13 Nationwide LTE Walkie Talkie User Manual

Model: X13

1. INTRODUCTION

Thank you for choosing the Carrborg X13 Nationwide LTE Walkie Talkie. This device utilizes 4G-LTE cellular networks to provide unlimited range communication, ensuring clear and reliable voice transmission globally. This manual provides essential information for setting up, operating, and maintaining your X13 walkie talkie.



Image 1.1: Two Carrborg X13 Nationwide LTE Walkie Talkies, showcasing their compact design.

The Carrborg X13 is designed for various applications, including logistics teams, security personnel, construction sites, outdoor activities, hotel staff, and family communication, offering remote instant communication.



Image 1.2: Examples of Carrborg X13 usage in logistics, construction, outdoor, and family communication scenarios.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using your Carrborg X13 walkie talkie to prevent injury or damage to the device.

- Do not operate the radio in explosive atmospheres (e.g., flammable gases, dust particles, metallic powders).
- Do not disassemble or modify the radio. Repairs should only be performed by authorized personnel.
- Use only Carrborg-approved batteries and chargers. Improper use may lead to fire, explosion, or injury.
- Keep the radio away from strong magnetic fields.
- Avoid exposing the radio to extreme temperatures, direct sunlight, or excessive moisture.
- Dispose of batteries and electronic components responsibly according to local regulations.

3. PACKAGE CONTENTS

Upon opening your Carrborg X13 package, please verify that all items listed below are present:

PACKING LIST



BASIC FUNCTIONS

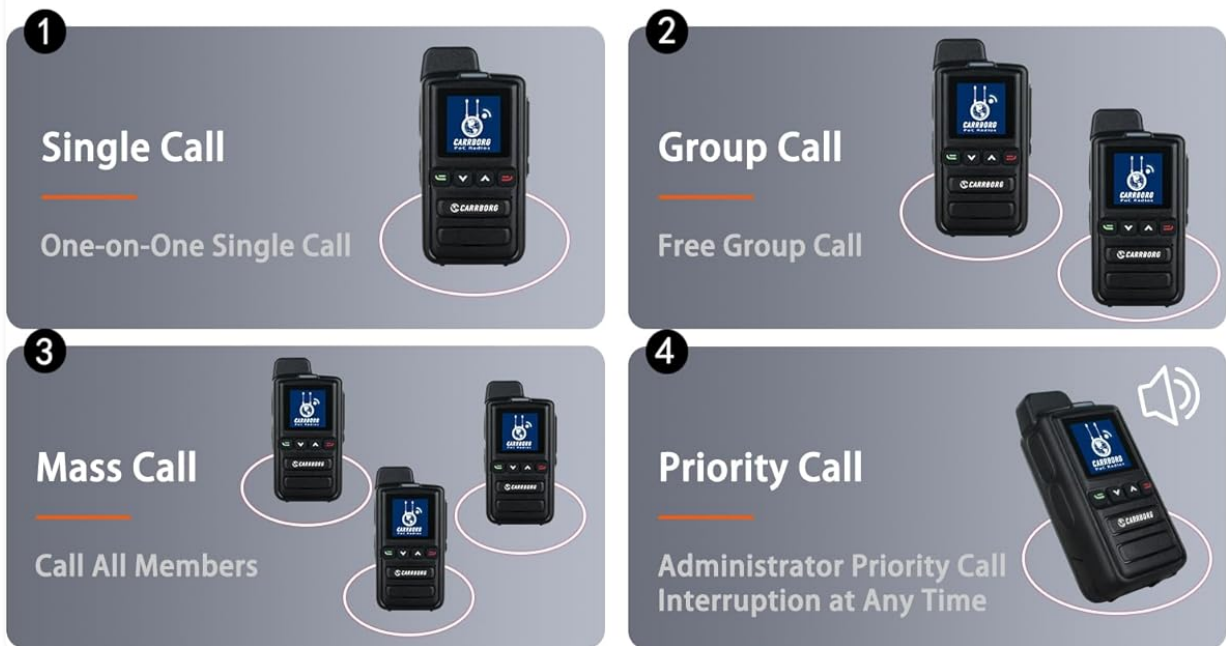


Image 3.1: Visual representation of the Carrborg X13 package contents.

- Carrborg X13 PoC Radios (2 units)
- Antennas (2 units)
- Batteries (2 units, pre-installed or separate)
- Belt Clips (2 units)
- USB Chargers (2 units)
- USB Type-C Cables (2 units)
- Earpieces (2 units)
- SIM Cards (2 units, pre-installed with lifetime free data service)

- Screwdrivers (2 units, for battery/SIM compartment)
- Lanyards (2 units)
- User Guide (This manual)

4. PRODUCT OVERVIEW

Familiarize yourself with the various parts and controls of your Carrborg X13 walkie talkie:

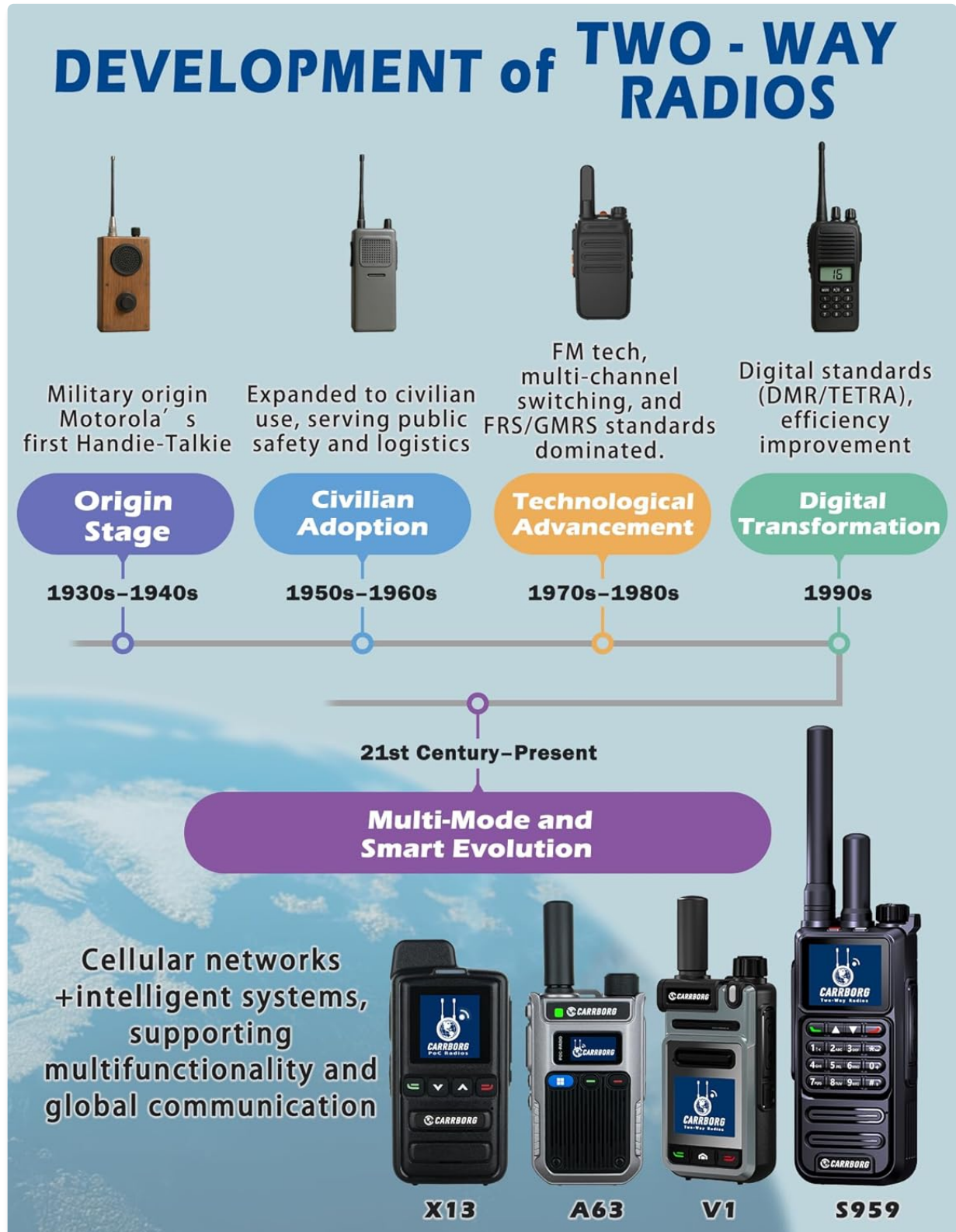


Image 4.1: Detailed diagram of the Carrborg X13 radio components.

1. **Antenna:** For signal transmission and reception.

2. **Indicator Light:** Displays status (e.g., charging, transmitting, receiving).
3. **Display:** Shows operational information.
4. **PTT (Push-to-Talk) Button:** Press and hold to transmit voice.
5. **Headset Data Port:** For connecting earpieces or other accessories.
6. **Volume +:** Increases volume.
7. **Up Button:** Navigates menus upwards.
8. **Power On/Off / Back Button:** Long press to power on/off; short press to go back in menus.
9. **Volume -:** Decreases volume.
10. **Down Button:** Navigates menus downwards.
11. **Menu Key / Confirm Key:** Accesses menu options or confirms selections.
12. **Mic (Microphone):** For voice input.
13. **Speaker:** For audio output.

5. SETUP

5.1. Battery and SIM Card Installation

Your Carrborg X13 radios typically come with batteries and SIM cards pre-installed. If not, or if you need to access them:

1. Locate the battery compartment cover on the back of the radio.
2. Use the provided screwdriver to carefully remove the screws securing the cover.
3. Insert the battery, ensuring the contacts align correctly.
4. Insert the Nano SIM card into the designated slot. The device includes an AT&T/T-Mobile compatible SIM card with lifetime free data service.
5. Replace the battery compartment cover and secure it with the screws.

Pre-installed SIM card True Lifetime Free Use



For customers who purchased the one-year data plan version, please feel free to contact us for support and upgrade options.

Image 5.1: Carrborg X13 with pre-installed SIM card and lifetime free data service.

5.2. Charging the Battery

Before first use, fully charge the radio's battery.

1. Connect the USB Type-C cable to the radio's charging port.
2. Connect the other end of the cable to the USB charger, then plug the charger into a power outlet.
3. The indicator light will show the charging status. Refer to the display for battery level.
4. Once fully charged, disconnect the charger.

5.3. Initial Power-On

To power on your radio, press and hold the **Power On/Off** button until the display lights up. The radio will automatically connect to the 4G-LTE network.

6. OPERATION

6.1. Basic Communication

1. **Power On:** Press and hold the **Power On/Off** button.
2. **Adjust Volume:** Use the **Volume +** and **Volume -** buttons.
3. **Transmit (Talk):** Press and hold the **PTT** button. Speak clearly into the microphone. Release the PTT button to listen.
4. **Receive (Listen):** The radio will automatically receive incoming transmissions when the PTT button is not pressed.

6.2. Communication Modes

The Carrborg X13 supports various communication modes:

PACKING LIST



BASIC FUNCTIONS

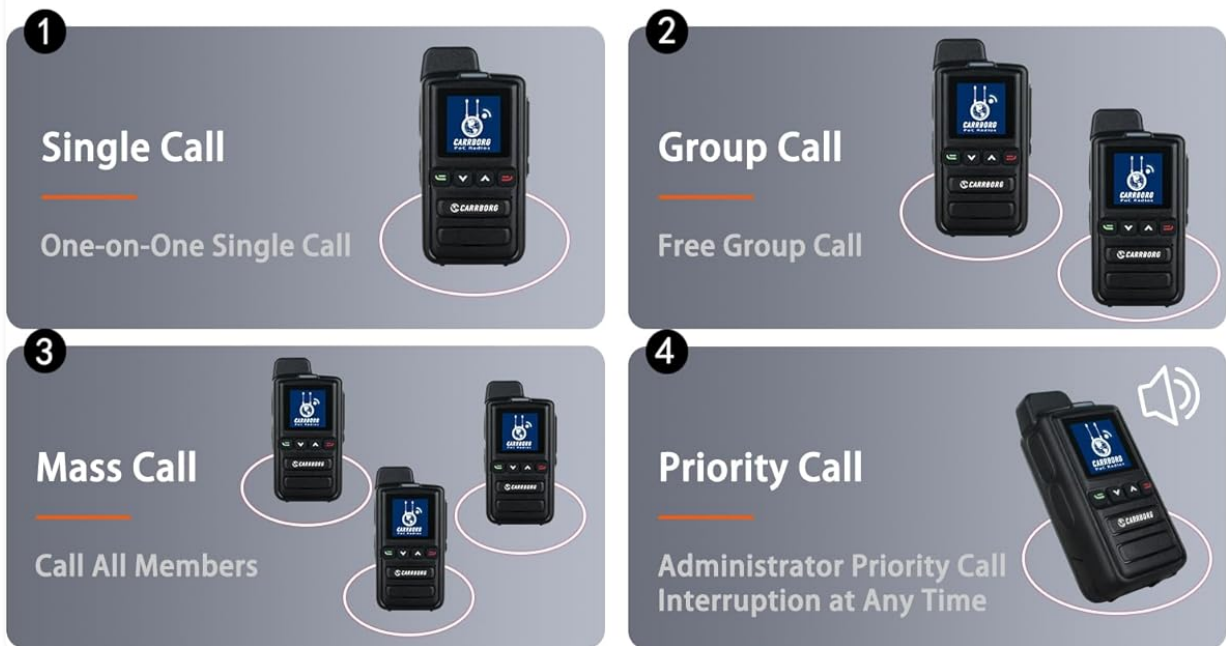


Image 6.1: Basic communication functions of the Carrborg X13.

- **Single Call (One-on-One):** Direct communication with a specific individual.
- **Group Call (Free Group Call):** Communication with all members within a pre-defined group.
- **Mass Call (Call All Members):** Broadcasts to all connected radios.
- **Priority Call:** Allows an administrator to interrupt ongoing conversations for urgent messages.

6.3. Pairing Multiple Radios

Each set of Carrborg X13 radios is typically pre-configured for immediate use. If you purchase additional radios and wish to pair them with your existing set, please contact Carrborg customer support. Provide the serial numbers of all radios you wish to pair, and our team will assist in configuring them for group

communication.

6.4. Backend Management Features

For administrators, the Carrborg X13 system offers a backend management platform accessible via computer. This platform allows for:

- Setting up and managing communication groups.
- Adding or removing members from groups.
- Naming groups for easy identification.
- Adjusting members' speaking privileges.

6.5. HD Voice Technology

The Carrborg X13 features HD Voice technology, including high-quality speakers, voice clarification, noise elimination, and INC Noise Reduction Technology, ensuring clear and stable audio even in noisy environments.

HD VOICE

✓ High Quality Speakers

✓ Voice Clarification

✓ Eliminate Noise

✓ INC Noise Reduction Technology

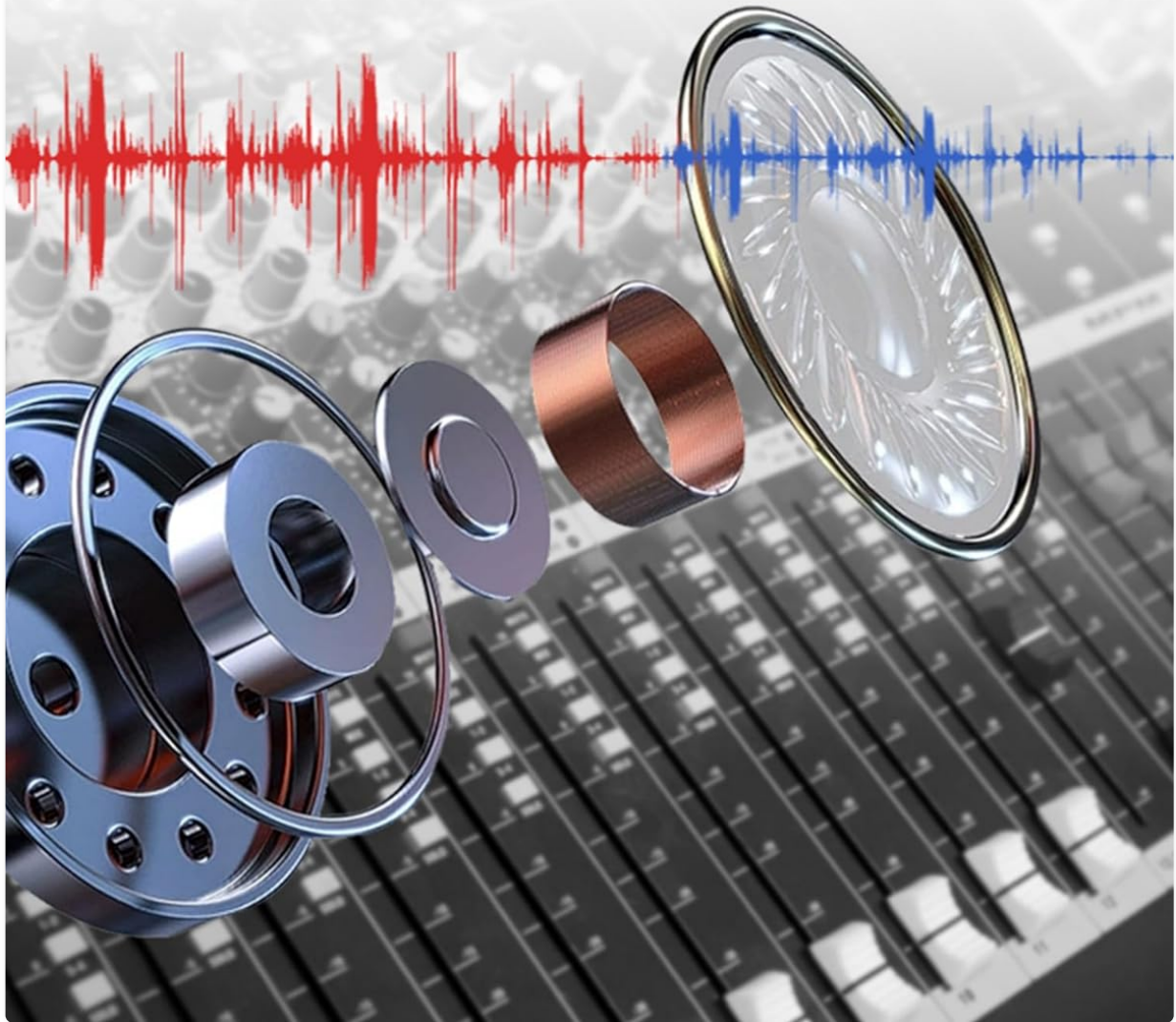


Image 6.2: Explanation of HD Voice features for enhanced audio clarity.

7. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:** Avoid fully discharging the battery frequently. Store the radio in a cool, dry place when not in use for extended periods.
- **Storage:** When storing the radio for a long time, remove the battery if possible and store it separately.
- **Water Resistance:** The X13 has a water-repellent design. However, it is not fully waterproof. Avoid submerging the device in water.

8. TROUBLESHOOTING

If you encounter issues with your Carrborg X13, please refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Radio does not power on	Low battery; Battery not installed correctly; Device malfunction	Charge the battery; Reinstall the battery; Contact customer support
No network signal	Out of 4G-LTE coverage area; SIM card issue	Move to an area with better cellular coverage; Check SIM card installation; Contact customer support
Cannot transmit or receive	Not in a group; PTT button not pressed correctly; Network issue	Ensure you are in an active group; Press and hold PTT firmly; Check network status
Poor audio quality	Weak signal; Microphone/speaker obstruction; Volume too low/high	Move to an area with better signal; Clear any obstructions; Adjust volume

If the problem persists after attempting these solutions, please contact Carrborg customer support for further assistance.

9. SPECIFICATIONS

Detailed technical specifications for the Carrborg X13 walkie talkie:

REE-INSTALLES SIM CARD

Lifetime Free Data



AT&T



T-Mobile



EVER!

No Renewal Fees
No Extra Costs

Unlimited
Data

Restricted to Use on This Device Only

This upgraded version now comes with a pre-installed SIM card that offers lifetime free service. For customers who purchased the one-year data plan version, please feel free to contact us for support and upgrade options.

Image 9.1: Carrborg X13 model specifications and package contents.

Feature	Specification
Model Number	X13

Feature	Specification
Dimensions	110 x 50 x 35 mm (approx. 4.33 x 1.97 x 1.38 inches)
Item Weight	1.63 pounds (approx. 739g for the pair, or 188g per unit)
SIM Type	Nano SIM Cards
Operating Temperature Range	-10°C to +55°C
Storage Temperature Range	-40°C to +85°C
Public Network Power	23dBm ~ 30dBm @ -104dBm
Receive Sensitivity	-106dBm
Audio Output Power	2W at 10% Distortion
Battery	Nonstandard Battery (included), 3.7 Volts, 4000mAh Lithium Battery (120 hours standby / 48 hours talk/listen)
Number of Channels	999
Talking Range Maximum	Unlimited (via 4G-LTE network)
Water Resistance Level	Water Repellent

10. WARRANTY AND SUPPORT

Carrborg provides prompt responses and satisfying after-sales services. If you have any problems with your Carrborg X13 POC radio, please feel free to contact us.

For customers who purchased the one-year data plan version, please contact us for support and upgrade options regarding your data service.

Please refer to your purchase documentation or the official Carrborg website for specific warranty terms and contact information.