

[Manuals.plus](#) /

› [Arcshell](#) /

› Arcshell AR-5 Two-Way Radio Instruction Manual

Arcshell AR-5

Arcshell AR-5 Two-Way Radio Instruction Manual

Model: AR-5 | Brand: Arcshell

INTRODUCTION

The Arcshell AR-5 Two-Way Radio is a compact, rechargeable, and long-range communication device designed for reliable and clear communication in various environments. This manual provides comprehensive instructions for setting up, operating, and maintaining your AR-5 radios to ensure optimal performance and longevity.



Figure 1: Arcshell AR-5 Two-Way Radios with accessories.

WHAT'S INCLUDED

Your Arcshell AR-5 package includes the following components:

- 2 x Arcshell AR-5 Two-way Radios
- 2 x 1500mAh Rechargeable Li-ion Batteries
- 2 x Charging Docks with AC wall-wart Type A plugs (110v-240v compatible)
- 2 x Removable Belt Clips
- 2 x Handstraps
- 2 x Single-earbud style Earpieces with built-in microphone and Push-to-Talk (PTT) button (K-type 3.5mm and 2.5mm plugs)
- 1 x User Manual

Intuitive and Effortless Control



Figure 2: All components included in the Arcshell AR-5 package.

PRODUCT OVERVIEW

The Arcshell AR-5 radio is designed for intuitive and effortless control. Familiarize yourself with the key parts of the radio:

Ready to Use Right Out of the Box



Figure 3: Key components and controls of the Arcshell AR-5 radio.

- **Antenna:** For transmitting and receiving signals.
- **Channel Switch:** Rotary knob to select one of 16 available channels. A synthesized voice announces the channel number.
- **Power Switch/Volume Control:** Rotary knob to turn the radio on/off and adjust volume.
- **LED Indicator:** Displays radio status (e.g., transmitting, receiving, charging).
- **PTT Button (Push-to-Talk):** Press and hold to transmit your voice.
- **Moni Button (Monitor):** Press and hold to hear background noises and weak signals.
- **Function Button:** Activates the built-in flashlight.
- **SP/MIC Jacks:** Ports for connecting the earpiece/microphone accessory.
- **USB Type-C Port:** For convenient charging of the radio.
- **MIC (Microphone):** Built-in microphone for voice input.

SETUP

1. Battery Installation and Charging

The AR-5 radios come with 1500mAh rechargeable Li-ion batteries. It is recommended to fully charge the batteries before first use.

1. Ensure the radio is turned off.
2. Align the battery with the back of the radio and slide it into place until it clicks securely.
3. Connect the charging dock to a 110v-240v AC power outlet using the provided AC wall-wart Type A plug.
4. Place the radio (with battery installed) into the charging dock. The LED indicator on the dock will show charging status (typically red for charging, green for fully charged).
5. A full charge takes approximately 2.5 hours. Battery life can range from 8 to 96 hours depending on transmit time.
6. Alternatively, you can charge the battery alone by placing it directly into the charging dock, or use the built-in USB Type-C port on the radio for charging with a power bank or in a car.



Figure 4: Charging the Arcshell AR-5 radio in its dock.



Figure 5: The USB Type-C charging port on the Arcshell AR-5 radio.

2. Attaching Belt Clip and Handstrap

Each radio comes with a removable belt clip and a handstrap for convenient carrying.

1. To attach the belt clip, align it with the screw holes on the back of the radio.
2. Use a small screwdriver (not included) to secure the belt clip with the provided screws.
3. Thread the handstrap through the designated loop on the top side of the radio.

3. Connecting Earpiece

The included earpiece allows for private communication and hands-free operation.

1. Locate the K-type 3.5mm and 2.5mm plugs on the earpiece cable.

2. Insert the plugs firmly into the SP/MIC Jacks on the side of the radio.
3. Once the earpiece is plugged in, all audio will be routed to the earpiece, and the radio's built-in speaker will be silent.

OPERATING INSTRUCTIONS

1. Power On/Off and Volume Adjustment

- To turn the radio ON, rotate the Power Switch/Volume Control knob clockwise. The radio will announce "Power On" and the current channel number.
- To turn the radio OFF, rotate the Power Switch/Volume Control knob counter-clockwise until it clicks.
- To adjust the volume, rotate the Power Switch/Volume Control knob clockwise to increase volume and counter-clockwise to decrease volume.

2. Channel Selection

- Rotate the Channel Switch knob to select your desired channel (1-16).
- The radio will verbally announce the selected channel number.
- Ensure all radios you wish to communicate with are set to the same channel.

3. Transmitting and Receiving (PTT)

- To transmit, press and hold the PTT (Push-to-Talk) button on the side of the radio. Speak clearly into the microphone (built-in or on earpiece). The LED indicator will light up red.
- Release the PTT button to stop transmitting and return to receive mode.
- When receiving a signal, the LED indicator will light up green.
- The radio also features a VOX (Voice-activated Transmission) function for hands-free operation. Refer to the user manual for activation details.

Your browser does not support the video tag.

Video 1: Demonstration of crystal clear sound quality during radio operation.

4. Monitor Function

- Press and hold the Moni (Monitor) button to temporarily disable the squelch function. This allows you to hear very weak signals or background noise on the current channel.
- Release the Moni button to re-enable squelch.

5. Flashlight

- Press the Function button once to turn on the built-in LED flashlight.
- Press it again to turn it off.

MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the radio's exterior. Do not use harsh chemicals or abrasive cleaners.
- **Battery Care:**
 - Avoid overcharging or completely draining the battery.
 - Store batteries in a cool, dry place when not in use.
 - If the radio will not be used for an extended period, remove the battery.
 - The upgraded battery design ensures longer-lasting stability and addresses previous issues of battery expansion.
- **Storage:** Store radios in a dry, dust-free environment away from extreme temperatures.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Radio does not power on.	Battery is low or not installed correctly.	Ensure battery is fully charged and properly seated.
Poor audio quality / Static.	Out of range, obstructions, or incorrect channel.	Move closer to the other radio, ensure line of sight, or switch to a clearer channel. Check earpiece connection.
Cannot communicate with other radios.	Radios are on different channels or out of range.	Verify all radios are on the same channel. Check range limitations based on terrain.
Charging issues.	Charger not connected, faulty charger, or battery contact issue.	Ensure charger is properly plugged in. Check battery contacts. The upgraded charger design ensures seamless contact.

SPECIFICATIONS

Feature	Detail
Model Number	AR-5
Frequency Range	406.1-470 MHz
Number of Channels	16
Battery Type	1500mAh Rechargeable Li-ion
Charging Time	Approx. 2.5 hours
Battery Life	8 to 96 hours (depending on transmit time)
Charging Port	USB Type-C
Dimensions (H x W x D)	4.53 x 2.36 x 1.30 inches
Weight	6.3 oz (per radio)
Max Talking Range	Up to 5 miles (with no obstructions)
FCC ID	2ARTCARAR

WARRANTY AND SUPPORT

Arcshell products are designed for durability and performance. For warranty information, technical support, or any inquiries regarding your AR-5 radios, please visit the official Arcshell website or contact their customer service directly.

Your satisfaction is our top priority. We are dedicated to ensuring your experience with our products is exceptional. Your valuable feedback guides our design process, helping us innovate and revolutionize our products to meet your needs and exceed your expectations.

For additional resources and FAQs, you may visit the [Arcshell Store on Amazon](#).

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question