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› BCA Link 2.0 Radio and Tracker S Avalanche Transceiver Combo User Manual

BCA Link 2.0 - Tracker S Combo

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Model: Link 2.0 - Tracker S Combo

1. INTRODUCTION

The BCA Link 2.0 Radio and Tracker S Avalanche Transceiver Combo is designed to enhance safety and communication in backcountry environments. This combo provides essential tools for real-time communication and avalanche victim location. The BC Link 2.0 radio features a compact design with a durable, weather-resistant Smart Mic, allowing for easy communication without removing the radio from your pack. The Tracker S Avalanche Transceiver offers reliable performance and an instantaneous real-time display for efficient searching in avalanche scenarios.



Image 1.1: The BCA Link 2.0 Radio and Tracker S Avalanche Transceiver Combo, showing both units.

2. WHAT'S IN THE BOX

Your BCA Link 2.0 Radio and Tracker S Avalanche Transceiver Combo package includes:

- Radio Unit (BCA Link 2.0)
- Microphone (Smart Mic)
- Charger Cable
- Charger Block
- Avalanche Transceiver (BCA Tracker S)
- 2 AAA Batteries (for Tracker S)

3. SETUP INSTRUCTIONS

3.1. BCA Link 2.0 Radio Setup

1. **Charging the Radio:** The Link 2.0 radio has an integrated 2300 mAh lithium-ion battery. Connect the provided charger cable to the Micro-USB port on the base unit and plug the charger block into a 110-Volt outlet. Allow the unit to fully charge before first use.
2. **Attaching the Smart Mic:** The Smart Mic is pre-attached to the radio unit. Ensure the connection is secure.
3. **Power On/Off:** Use the designated power button or dial on the radio unit to turn it on or off.
4. **Channel Selection:** Use the controls on the Smart Mic to select one of the 22 FRS channels. You can also select from 121 sub-channels to minimize interference.



Image 3.1: The BCA Link 2.0 Radio and Smart Mic, showing the controls for channel selection and power.

3.2. BCA Tracker S Avalanche Transceiver Setup

1. **Battery Installation:** The Tracker S requires 2 AAA batteries (included). Open the battery compartment, insert the batteries according to polarity markings, and securely close the compartment.
2. **Power On:** Slide the main switch on the transceiver to the 'TR' (Transmit) position to power it on. The display will show battery life upon startup.
3. **Function Check:** Perform a quick function check to ensure the transceiver is transmitting correctly before entering avalanche terrain.



Image 3.2: Close-up of the BCA Tracker S Avalanche Transceiver display, showing distance and direction indicators.

4. OPERATING INSTRUCTIONS

4.1. Operating the BCA Link 2.0 Radio

1. **Communication:** Use the Smart Mic for clear, real-time communication with your group. The mic is designed to be easily accessible, often clipped to a backpack strap or jacket.
2. **Channel Matching:** Ensure all members of your group are on the same FRS channel and sub-channel for effective communication. The Link 2.0 is compatible with standard FRS and GMRS radios on shared FRS frequencies.
3. **Range Considerations:** The radio offers a line-of-sight range of up to 40 miles (64 km) and a terrain range of 0.5 to 6 miles (0.8 to 9.7 km), depending on obstacles and conditions.

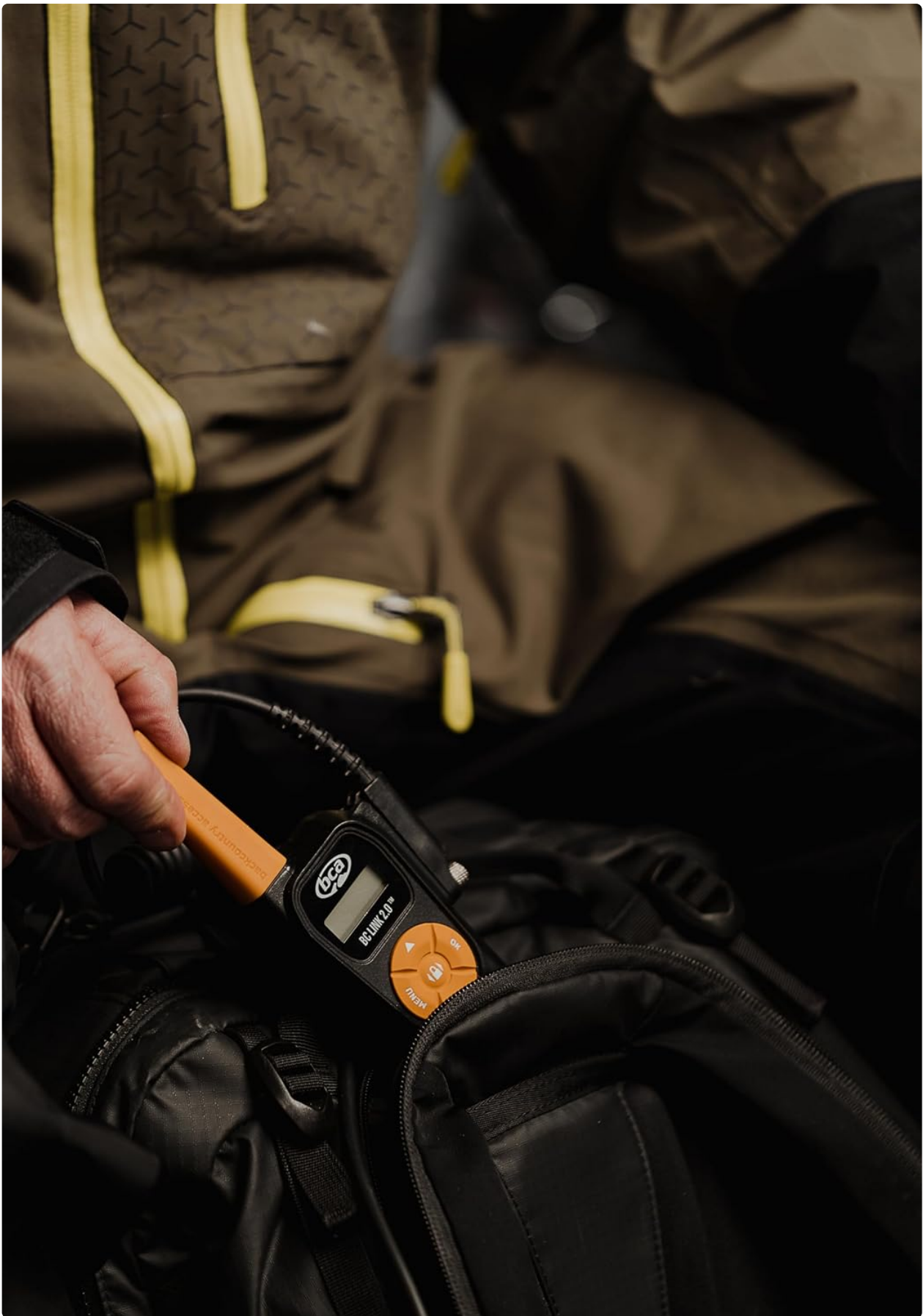


Image 4.1: A user demonstrating the use of the BCA Link 2.0 Smart Mic, clipped to outerwear for easy access.

4.2. Operating the BCA Tracker S Avalanche Transceiver

1. **Transmit Mode ('TR'):** When traveling in avalanche terrain, always ensure your Tracker S is in 'TR' (Transmit) mode. This allows your signal to be detected by other transceivers in case of an avalanche.
2. **Search Mode ('SE'):** In the event of an avalanche, switch your transceiver to 'SE' (Search) mode. The

real-time display will show distance and direction to a buried transceiver, guiding you to the victim.

3. **Multiple Burials:** The Tracker S provides an instantaneous display, which is crucial for efficient searching, especially in scenarios with multiple buried individuals.

5. MAINTENANCE

- **Durability:** Both the Link 2.0 radio and Tracker S transceiver are built for rugged backcountry use. The Link 2.0 is waterproof to IP56 standards, offering protection against dust and strong jets of water.
- **Battery Care:** For the Link 2.0, ensure regular charging. The integrated lithium-ion battery provides approximately 8 hours of normal use and up to 40 hours maximum. For the Tracker S, replace AAA batteries as needed, especially before extended trips. Always carry spare batteries.
- **Cleaning:** Clean the units with a damp cloth. Avoid harsh chemicals or abrasive materials.
- **Storage:** Store units in a cool, dry place when not in use. Remove batteries from the Tracker S if storing for long periods.

6. TROUBLESHOOTING

- **No Power:** Ensure the Link 2.0 radio is charged. For the Tracker S, check that batteries are correctly inserted and have sufficient charge.
- **Communication Issues (Link 2.0):** Verify that all radios in your group are on the same channel and sub-channel. Check for obstructions or extreme range.
- **Transceiver Not Detecting (Tracker S):** Ensure the Tracker S is in 'SE' (Search) mode. Confirm the buried transceiver is transmitting. Check for potential interference from other electronic devices.
- **Unusual Behavior:** If either device exhibits unexpected behavior, try turning it off and on again. If issues persist, contact BCA customer support.

7. SPECIFICATIONS

7.1. BCA Link 2.0 Radio

- **Item Weight:** 11 oz / 312 g
- **Frequency:** 22 FRS channels + 121 sub-channels
- **Battery:** Integrated 2300 mAh lithium ion battery (non-removable)
- **Battery Life:** 8 hours of normal use, maximum of 40 hours
- **Battery Power:** 2 Watt
- **Smart Mic Dimensions:** 3.5 x 2.1 x 1.5 inches (9.0 x 5.4 x 4.0 cm)
- **Base Unit Dimensions:** 6.3 x 2.2 x 1.4 inches (16 x 5.6 x 3.5 cm)
- **Line of Sight Range:** Up to 40 mi / 64 km
- **Terrain Range:** 0.5 to 6 mi / 0.8 to 9.7 km
- **Water Resistance:** IP56 standards
- **Certification:** Compliant with all applicable North American laws.

7.2. BCA Tracker S Avalanche Transceiver

- **Batteries:** 2 AAA batteries required (included)
- **Frequency Range:** 462-467 MHz (for FRS/GMRS compatibility)
- **Features:** Real-time display, no motion-sensing or upgradeable software.

7.3. Combo Overall

- **Product Dimensions:** 1.4 x 2.2 x 6.3 inches
- **Item Weight:** 12 ounces (combined weight)

8. WARRANTY AND SUPPORT

The BCA Link 2.0 Radio and Tracker S Avalanche Transceiver Combo is covered by a **3-year limited manufacturer warranty**. This warranty covers defects in materials and workmanship under normal use. For warranty claims, technical support, or any questions regarding the operation or maintenance of your product, please contact BCA customer service directly. Refer to the official BCA website for the most current contact information and detailed warranty terms.