

## BCA C1712001010

# BCA Tracker S Avalanche Beacon Transceiver User Manual

Model: C1712001010

## 1. INTRODUCTION

The BCA Tracker S Avalanche Beacon Transceiver is a vital safety device designed for rapid and efficient search and rescue in avalanche terrain. It is a stripped-down, yet high-performance, version of the Tracker3, focusing on core functionality for ease of use and reliability. This manual provides essential information for the proper setup, operation, maintenance, and troubleshooting of your Tracker S beacon.





Image: The BCA Tracker S Avalanche Beacon Transceiver. This device features a black casing with blue accents and a clear red digital display indicating distance and multiple burial indicators.

## **2. SETUP**

### **2.1 Battery Installation**

The Tracker S requires three AAA alkaline batteries for operation. Ensure batteries are inserted with correct polarity as indicated inside the battery compartment. Always use fresh, high-quality alkaline batteries for optimal performance and longevity.

### **2.2 Harness Attachment**

The beacon comes with a harness designed for secure and comfortable wear. Attach the beacon to the harness and wear it under your outer layers of clothing, close to your body. This placement protects the beacon from impact and ensures it remains with you in the event of an avalanche.

### **2.3 Initial Power-On**

To power on the device, slide the main switch to the 'Transmit' position. The display will illuminate, indicating battery life and confirming it is transmitting a signal. Always perform a group check before entering avalanche terrain to ensure all beacons are functioning correctly.

## **3. OPERATING INSTRUCTIONS**

### **3.1 Transmit Mode**

In transmit mode, the Tracker S continuously emits a 457 kHz signal. This is the default mode when traveling in avalanche terrain. The display will show a 'Tx' or similar indicator to confirm transmission. Ensure the beacon is securely worn and transmitting before starting your activity.

### **3.2 Search Mode**

To switch to search mode, slide the main switch to the 'Search' position. The beacon will begin to receive signals from other transmitting beacons. The digital display will show distance in meters and directional arrows to guide you towards the buried victim. Follow the arrows and decreasing distance readings to pinpoint the signal.

### **3.3 Multiple Burials**

The Tracker S is equipped with a multiple burial indicator. If more than one signal is detected, the display will show icons representing multiple buried individuals. The beacon will guide you to the strongest signal first. After locating and marking the first victim, you can use the signal suppression feature (if available on your model, consult the device for specific button functions) to focus on the next closest signal.

### **3.4 Practice and Training**

Regular practice with your Tracker S beacon is crucial. Familiarize yourself with its functions in a controlled environment. Participate in avalanche safety courses to learn proper search techniques, probing, and shoveling. Proficiency with your beacon can significantly reduce rescue times.

## **4. MAINTENANCE**

### **4.1 Battery Care**

- Replace batteries annually, or more frequently with heavy use.
- Remove batteries during long periods of storage to prevent leakage.
- Always carry spare batteries when in the field.

### **4.2 Storage**

Store the beacon in a cool, dry place away from direct sunlight and extreme temperatures. Avoid storing it near strong magnetic fields or electronic devices that could interfere with its components.

### **4.3 Cleaning**

Clean the exterior of the beacon with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no moisture enters the battery compartment or other openings.

### **4.4 Regular Checks**

Before each season and before every trip, perform a thorough function check of your beacon. This includes checking battery

levels, ensuring the switch operates smoothly, and verifying both transmit and receive functions.

## 5. TROUBLESHOOTING

### 5.1 No Power/Display

- Check battery orientation and ensure they are fresh.
- Clean battery contacts if corroded.
- Ensure the power switch is fully engaged in the 'Transmit' or 'Search' position.

### 5.2 Erratic Readings in Search Mode

- Ensure no other electronic devices (mobile phones, cameras, GPS units) are too close to the beacon, as they can cause interference.
- Move away from power lines or other sources of electromagnetic interference.
- Confirm you are following proper search techniques.

### 5.3 Beacon Not Transmitting

- Verify battery level.
- Ensure the switch is firmly in the 'Transmit' position.
- If issues persist, contact customer support.

## 6. SPECIFICATIONS

<b>Weight</b>	7.2 oz / 205 grams (including batteries)
<b>Dimensions</b>	4.5" x 2.8" x 1.0" (11.4 cm x 7.1 cm x 2.5 cm)
<b>Frequency</b>	457 kHz
<b>Power Supply</b>	Three AAA alkaline batteries (included)
<b>Model Number</b>	C1712001010
<b>UPC</b>	886745725442

## 7. WARRANTY

The BCA Tracker S Avalanche Beacon Transceiver comes with a **5-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. For specific terms and conditions, please refer to the warranty information provided with your product packaging or contact BCA customer support.

## 8. SUPPORT

For further assistance, technical support, or warranty claims, please contact Backcountry Access (BCA) directly through their official website or customer service channels. Always refer to the model number (C1712001010) when seeking support.