



## Link Mini

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Owner's Manual

Bedienungsanleitung

Manuel d'utilisation

Manuale di istruzioni

Manual del propietario

# BC Link Mini Owner's Manual

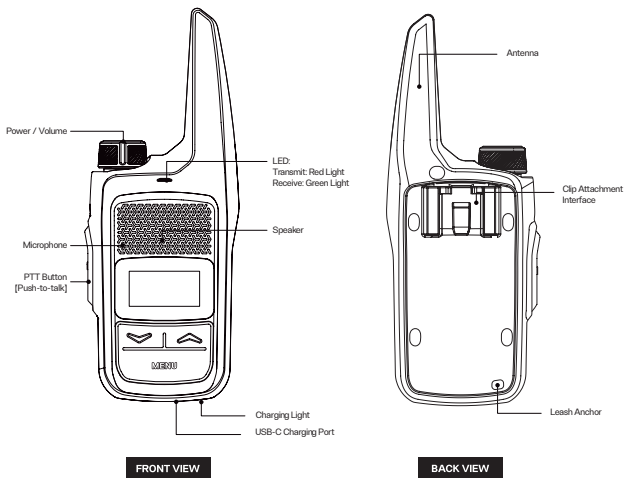
Congratulations on purchasing your BC Link Mini radio from Backcountry Access. This is an important step toward improving communication within your group in the backcountry. At BCA, we believe that backcountry safety starts with good planning and clear communication. While gear like the BC Link Mini and other BCA safety products are essential, they are only part of the equation. Education is equally important, especially regarding terrain selection, avalanche safety, and first aid. **For more information on backcountry and snow safety, see <https://backcountryaccess.com/en-us/learn-avalanche-safety>**

## Disclaimer

**ATTENTION!** The radio is a multitask FRS transceiver. Combining the latest technology in radio communication along with a sturdy mechanical frame, the radio is the ideal and effective solution for the backcountry travelers who need to stay in touch with group members while skiing, climbing, mountain biking, or participating in other outdoor activities, or for leisure users that just want to keep up with friends and family. To help you ward off bodily injury or property loss that may arise from improper operation, please read all the information carefully before using our products. **Before operating the radio, please read all safety and operating instructions. Save all instructions in a safe place for future reference.**

All action sports involve inherent risks, and injuries or death may occur during these activities. Do not rely on this product as your only means of communication. Never travel alone and always make sure that a responsible person knows where you are going and when you plan to return. Familiarize yourself with the area in which you are traveling and the current weather and avalanche conditions. Backcountry Access, Inc. is not responsible for any loss of communication between you and your group due to this product's improper use, the failure to properly charge and maintain the product's battery, and/or poor or no reception in the operating area.

# Component Outline



## Getting Started



In the BC Link Mini package, you will find the radio (1), webbing clips (2), belt clip (1), velcro strap (1), carabiner leash (1), USB-C cable (1), and quick reference card (1). To start, check all the accessories and charge the battery.



## Charging battery

Connect the radio to a power outlet using the included cable and a USB power adapter. Insert the cable into the radio's charging port until you hear a "click". A full recharge can take up to six hours. The light next to the USB port will be read when the radio is charging. The light will turn green when the radio is fully charged.

## Remaining Battery Power Display

This radio has a Battery Level Meter  that shows the battery power level. The greater the number of bars visible, the stronger the battery level. When the battery level is low, the Battery Shell  icon will flash in the display indicating your battery should be recharged.

**WARNING!** To avoid the risk of personal injury or property damage from fire or electrical shock, only use accessories specifically designated for this product.

## Connecting Belt Clip

Connect the Belt Clip to the radio by sliding the clip into the slot on the back of the radio until it snaps into place.

## Connecting the Webbing Clip & Strap

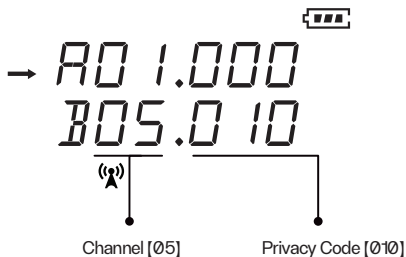
Connect the Webbing Clip to any webbing as shown in the image below. Connect the Webbing Clip to the radio by sliding the clip into the slot on the back of the radio until it snaps into place.








## Basic Functions

This chapter describes how to use basic functions on your BC Link Mini.

### LCD Display

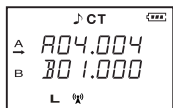


### Screen Icons

	— — — —	Battery Meter
	— — — —	Button Sound
	— — — —	Keys Locked
		0.5W Transmit Power
		2.0W Transmit Power
CT	— — — —	CTCSS Frequencies, privacy codes 01-38
DCS	— — — —	DCS Codes, privacy codes 39-121

# User Interface

This chapter describes how to use basic functions on your BC Link Mini.



Choose Preset



Press MENU



Set Channel



Press MENU



Set Channel



Press MENU

\*arrow designates Transmit Channel



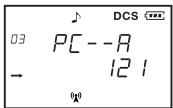
Channel A  
or  
Channel B

\*Use up and down arrows to choose CH A/B



Select  
1-22

\*Use up and down arrows to scroll to desired CH  
\*CH 1-22 will relate to Frequency Chart



Set Privacy Code



Press MENU



BEEP Function



Press MENU



LIGHT Function



Select  
1-121

\*Use up and down arrows to scroll to desired PC

\*PC 1-121 will relate to Frequency Chart

\*CT Icon pops up for privacy codes 1-38. DCS Icon pops up for privacy codes 39-121.



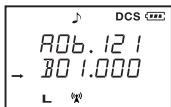
ON  
or  
OFF

\*Use up and down arrows to turn on/off



ON  
or  
OFF

\*Use up and down arrows to turn on/off



Hold ▼  
or  
Hold ▲



Choose Preset B



Hold down  
▼/▲  
simultaneously (3s)



Lock Preset B

\*arrow designates Transmit Channel

\*arrow designates Transmit Channel  
\*Lock Icon pops up when keys are locked

## Power on/off

To turn the radio on, simply rotate the volume/power knob clockwise until you hear a “click”. If your radio powers on correctly there should be an audible tone after about one second. Turn the volume/power knob counter-clockwise all the way until you hear a “click”. The radio is now off.

## Adjusting the volume

To turn up the volume, turn the volume/power knob clockwise. To turn the volume down, turn the volume/power knob counter-clockwise. Be careful not to turn it too far, as you may inadvertently turn your radio off.

## Talking on your radio

Clip the radio where desired or secure the radio onto your pack’s shoulder strap. Rotate the power knob clockwise/counter clockwise to power on, raise volume, or power off. To transmit, press and hold the [ PTT ] button, wait one second before speaking. Release when finished speaking. Lights on the radio: solid red = transmitting, solid green = receiving.

## Presetting the channels

Channels 1 through 7 are 2.0W FRS channels. Channels 8 through 14 are 0.5W FRS channels. Channels 15 through 22 are 2.0W FRS channels. While battery life is longer when using channels 8-14, the range of transmission is shorter.

The BC Link Mini comes with two factory pre-set channels, but you can customize them.


- a. Press the [ MENU ] button and use the ▼/▲ buttons to scroll and select Channel A or Channel B.
- b. Press the [ MENU ] button and use the ▼/▲ buttons to scroll and select a channel code.

- c. Stop on the desired channel code and wait three seconds, or press the [ MENU ] button.
- d. To set a privacy code, press the [MENU] button after selecting a channel code, scroll to the desired privacy code and wait three seconds, or press the [MENU] button.

The BC Link Mini comes with two preset channels from the factory:

- A. Channel 1 privacy code off
- B. Channel 5 privacy code 10

## Key Lock

Hold down the ▼/▲ buttons simultaneously for three seconds to lock the keys. The  icon will appear on the display. The [ PTT ] button will still be active. Repeat the same procedure to unlock the keys.

## Communication

To communicate between all units, all radios in the group must be set to the same frequency and privacy setting. This includes radios of other brands. To talk to other members in your group, hold the radio two inches from your mouth. Press the [ PTT ] button and keep it pressed for at least one second before talking. To listen, release the [ PTT ] button.

## Return-to-Standby

180-second return-to-standby mode saves airtime and battery power. If the [ PTT ] button is pressed for more than 180 seconds, the BC Link Mini will revert to standby mode, to save battery power and prevent channel blockage.








# Advanced Functions




## Dual Channel Watch

The BC Link Mini is a dual channel receiver radio, meaning a user can listen and transmit on one frequency, while also listening on a second frequency. This dual channel watch function enhances communication capabilities and allows users to simultaneously monitor private group and public community channels in high-traffic backcountry zones. When transmitting, users will only transmit to their one, preset channel that the arrow on the main display is pointing to; when receiving, users will be able to hear incoming transmissions for the two preset channels on the main display.



## Low Transmit Power

The 0.5W transmit power icons  and  are located on the bottom of the display. When the BC Link Mini is transmitting at 0.5W power (FRS channels 8-14), the  and  icons are present. When channels other than 8-14 are being used and the BC Link Mini is transmitting at 2.0W power, there is no L icon and  is present.

## Button Sounds

When the button sounds are activated, the BC Link Mini beeps when any button is pressed and the  icon is located at the top of the display. These button sounds can be activated by pressing the [MENU] button four times until “BEEP ON” is displayed. Turn the button sounds on or off using the  buttons. Press the [PTT] button to exit menu or [MENU] button to continue set up.

## Roger Beep

The roger beep is a tone that sounds at the end of each transmission, when the PTT button is released. The roger beep is activated or deactivated by pressing the [MENU] button four times until “BEEP ON” is displayed. Turn the button sounds on or off using the  buttons. Press the [PTT] button to exit menu or [MENU] button to continue set up.

## Display Backlight

When the backlight is activated, the BC Link Mini will light up the display with a white backlight. If no buttons are pressed for 10 seconds, the radio

will turn off the backlight to save battery power, but the backlight will turn on again as soon as a button is pressed. This backlight can be activated by pressing the [MENU] button five times until “LIGHT ON” is displayed. Turn the backlight on or off using the ▼/▲ buttons. Press the [PTT] button to exit menu or [MENU] button to continue set up.

## Using Your Radio in the Field

For recommendations on how to most efficiently use your BC Link Mini in the field and for emergencies please visit <https://backcountryaccess.com/support/bc-link-radio-resources>.

## Technology Specifications

Product	Weight (oz)	Weight (g)	BC Link Mini Dimensions (in)	BC Link Mini Dimensions (cm)
BC Link Mini Radio	6 oz	170 g	6.25" x 2.5" x 1.25"	15.9 x 6.4 x 3.2 cm

<b>Channels</b>	22 FRS
<b>Sub-Channels</b>	121 (38 CTCSS tones, 82 DCS codes)
<b>Frequency Range</b>	FRS
<b>Operation Voltage</b>	DC 2.7 V ± 10%
<b>FM Modulation</b>	11K0F3E @ 12.5kHz
<b>Adjacent Channel Power</b>	60dB @ 12.5kHz
<b>Transmission Current</b>	≤ 1200mA.
<b>Battery</b>	Battery: 3.7VDC Li-ion with 1800mAh of usable capacity.
<b>Battery Life</b>	Dependent on usage; <b>33 hours normal use when radio is stored in backpack.</b> Transmitting in high power mode will shorten battery life.
<b>Range</b>	<b>Approximately 6 miles line of sight,</b> actual range dependent on topography. Electrical interference and objects between the transmitting and receiving radio can decrease range. In optimum circumstances, range can be significantly greater.

<b>Case Material</b>	Polycarbonate and TPE
<b>Water &amp; Dust Resistance</b>	Conforms to IP55
<b>Charger</b>	5V/1A power can be used on 110V AC
<b>Temperature Operating Range</b>	-20C to +55 C
<b>Maximum Transmitting Power</b>	2W
<b>WARNING</b>	Do not disassemble or subject radio to fire. Risk of injury.

### Lithium-ion battery

The BC Link Mini has a rechargeable lithium-ion battery with a capacity of 1800 mAh and was designed to operate in outdoor environments. Battery life is dependent on how frequently the radio sends and receives signals, but the BC Link Mini has a max battery life of 33 hours of normal use. Please note that all lithium-ion batteries experience reduced life in cold weather and colder temperatures can have significant effects on battery life.

### Ingress protection rating

The BC Link Mini is rated IP55. Generally, this means the radio is protected from snow, rain, and splashes. However, it is not fully waterproof and should not be fully submerged in water.

## BC Link Mini FRS Frequency Chart:

### North America

Channels	Frequency (MHz)	Power (W)
1	462.5625	2.0
2	462.5875	2.0
3	462.6125	2.0
4	462.6375	2.0
5	462.6625	2.0
6	462.6875	2.0
7	462.7125	2.0
8	467.5625	0.5
9	467.5875	0.5
10	467.6125	0.5
11	467.6375	0.5
12	467.6625	0.5
13	467.6875	0.5
14	467.7125	0.5
15	462.5500	2.0
16	462.5750	2.0
17	462.6000	2.0
18	462.6250	2.0
19	462.6500	2.0
20	462.6750	2.0
21	462.7000	2.0
22	462.7250	2.0

## Privacy Codes (01-38): CTCSS Frequency

CTCS (No.)	Frequency (Hz)
1	67.0
2	71.9
3	74.4
4	77.0
5	79.7
6	82.5
7	85.4
8	88.5
9	91.5
10	94.8
11	97.4
12	100.0
13	103.5
14	107.2
15	110.9
16	114.8
17	118.8
18	123.0
19	127.3
20	131.8
21	136.5
22	141.3
23	146.2
24	151.4
25	156.7
26	162.2
27	167.9
28	173.8
29	179.9
30	186.2

31	192.8
32	203.5
33	210.7
34	218.1
35	225.7
36	233.6
37	241.8
38	250.3

### Privacy Codes (39-121): DCS Codes

Tone No.	Octal Code
39	023
40	025
41	026
42	031
43	032
44	043
45	047
46	051
47	054
48	065
49	071
50	072
51	073
52	074
53	114
54	115
55	116
56	125
57	131
58	132
59	134

60	143
61	152
62	155
63	156
64	162
65	165
66	172
67	174
68	205
69	223
70	226
71	243
72	244
73	245
74	251
75	261
76	263
77	265
78	271
79	306
80	311
81	315
82	331
83	343
84	346
85	351
86	364
87	356
88	371
89	411
90	412
91	413
92	423

93	431
94	432
95	445
96	464
97	465
98	466
99	503
100	506
101	516
102	532
103	546
104	565
105	606
106	612
107	624
108	627
109	630
110	632
111	654
112	662
113	664
114	703
115	712
116	723
117	731
118	732
119	734
120	743
121	754



# Regulatory Compliance

## FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

## FCC IDENTIFIER: OUNBCLM

Name of Grantee: Backcountry Access, Inc.

## FCC Part 15.21 warning statement



**NOTE: THE GRANTEE IS NOT RESPONSIBLE FOR ANY CHANGES OR MODIFICATIONS NOT EXPRESSLY APPROVED BY THE PARTY RESPONSIBLE FOR COMPLIANCE. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.**

**WARNING!** Read this information before using the radio. In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guidelines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of the radio complies with the FCC guidelines and these international standards. Never allow children to operate the radio without adult supervision and the knowledge of the following guidelines.

## FCC RF Exposure

**WARNING!** It is up to the user to properly operate this radio transmitter to insure safe operation. Please adhere to the following: Do not use the radio with a damaged antenna. If a damaged antenna comes into contact with the skin, a minor burn may result. Please contact your local dealer for a replacement antenna.

## **Hand-Held Operations (held-to-face)**

This device was evaluated for typical hand-held (held-to-face) operations with a 1 inch spacing from the front of the radio. For handheld operation, the radio should be held 1 inch from the user's face in order to comply with FCC RF exposure requirements.

## **Body-Worn Operation**

This device was evaluated for body-worn operations with the supplied Belt Clip accessory. (All necessary accessories are included in the package; any additional or optional accessories are not required for compliance with the guidelines.) Third party accessories (unless approved by the manufacturer) should be avoided as these might not comply with FCC RF exposure guidelines.

## **IC Compliance**

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS (s). Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Cet appareil contient un ou des émetteurs/récepteurs exemptés de licence qui sont conformes aux normes RSS d'Innovation, Sciences et Développement économique Canada exemptées de licence.

L'utilisation est soumise aux deux conditions suivantes: (1) Cet appareil ne doit pas causer d'interférences, et (2) cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement non désiré de l'appareil.

Tout changement ou modification non approuvé expressément par la partie

responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

### **Body-worn operation**

For body-worn operation, this device has been tested and meets the Industry Canada RF exposure guidelines when used with BCA accessories supplied or designated for this product. Use of other accessories may not ensure compliance with Industry Canada RF exposure guidelines.

Fonctionnement de l'appareil, lorsque porté sur le corps. Cet appareil a été testé et s'est avéré conforme aux normes d'Industrie Canada et approuvé pour le port sur le corps à l'aide des accessoires BCA inclus et conçus pour cet appareil. L'utilisation d'accessoires ne respectant pas les exigences d'exposition RF d'Industrie Canada doit être évitée.

## **Maintenance & Warranty**

### **Maintenance**

Your BC Link Mini was designed to fulfill any warranty obligations and to enjoy this product for many years. As for all the electronically devices, we recommend you to follow these few suggestions:

Do not attempt to open the unit. Non-expert handling of the unit may damage it and/or annul the warranty.

When using regulated power supply, take notice of power voltage, that must be between 3.4V and 4.2V to avoid damages. (confirming with Baofeng)

High temperatures can shorten the life of electronic devices, and warp or melt certain plastics. Do not store the radio in dusty or dirty areas.

Keep the radio dry. Rainwater or damp will corrode electronic circuits.

If it appears that the radio diffuses peculiar smell or smoke, please shut off its power immediately and take off the charger from the radio.

## Care and Safety

To clean the radio, use a soft cloth dampened with water. Do not use cleaners or solvents because they can harm the body of the unit and leak inside, causing permanent damage. Do not submerge the unit in water. Your radio might cause TV or radio interference even when it is operating properly. To determine whether your radio is causing the interference, turn it off. If the interference goes away, your radio is causing it. Try to eliminate the interference by moving your radio away from the receiver. If you cannot eliminate the interference, the FCC requires that you stop using the radio.

## Hazardous Environments

Do not operate the radio in hazardous environments. Explosion or fire may result. Do not operate the radio near unshielded electrical blasting caps. Under certain conditions, radios can interfere with blasting operations and may cause an explosion. Turn your radio OFF to prevent accidental transmission when in a blasting area or in areas posted: "Turn off two-way radio." Construction crews often use remote control RF devices to set off explosives.

## Limited Warranty

Backcountry Access, Inc. (BCA) warrants that for a period of three (3) years from the date of purchase, this product will be free from defects in material and workmanship. Should a defect occur during the three (3) year warranty period, BCA will repair or replace the defective product or component part at its option, free of charge. BCA will repair or replace the product with an identical or reasonably equivalent product, at its election, or it may elect to refund the purchase price (less reasonable depreciation based on actual use) if it cannot readily and quickly provide a replacement. Replacement products provided pursuant to this warranty are under warranty only for the remainder of the original warranty period.

This warranty is valid for the original retail purchaser from the date of initial retail purchase and is not transferable. Keep the original sales receipt. Proof of purchase is required to obtain warranty performance. If the original proof of purchase cannot be provided, BCA will use the product's manufacture

date as the start of the warranty period. BCA dealers do not have the right to alter, modify or in any way change the terms and conditions of this warranty.

## Limitations

This warranty shall not apply if the product (a) is altered, modified, or tampered with in any way by anyone or (b) is damaged by negligence, accident, unreasonable/abnormal use or by other causes unrelated to defective materials or workmanship. Further, the warranty does not cover Acts of God, such as fire, flood, hurricanes and tornadoes.

BCA SHALL NOT BE LIABLE FOR DEATH OR INJURIES TO PERSONS, DAMAGE TO PROPERTY, OR FOR ANY INCIDENTAL, CONTINGENT, OR CONSEQUENTIAL DAMAGES CAUSED BY THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY. BCA'S SOLE LIABILITY FROM THIS WARRANTY IS LIMITED TO REPAIR OR REPLACEMENT OF DEFECTIVE PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS LIMITED IN DURATION TO THE DURATION OF THE ABOVE WARRANTY. SOME STATES, PROVINCES OR JURISDICTIONS DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATIONS OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS THAT VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

## How to Obtain Warranty Service

Prior to the expiration of the three (3) year warranty period, obtain a Return Authorization (RA) number and instructions directly from BCA by clicking here: <https://backcountryaccess.com/warranty>.

If you have questions, contact the BCA warranty service department at [\(800\) 670-8735](tel:8006708735) or [warranty@backcountryaccess.com](mailto:warranty@backcountryaccess.com).

The purchaser is responsible for shipping and handling charges to the BCA warranty service department. BCA will return the repaired or replacement product at its expense, but if it is determined that there is no defect or that the defect resulted from causes not within the scope of this warranty, storage or return of the product will be at the purchaser's expense.



**WARNING:** This product can expose you to chemicals including Nickel (Ni), which is known to the State of California to cause cancer, and Bisphenol A (BPA), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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