



Barryvox® S2

Quick guide

SWISS DESIGN • SINCE 1862

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Further information:

Barryvox® App
Barryvox® S2 Device configuration,
Firmware updates, Barryvox® Train-
ing Park, Warranty extension

Barryvox.com
Avalanche Courses, Manual, Equip-
ment Support, Warranty extension

1. Introduction

Congratulations on the purchase of your Barryvox® S2. Here you will learn the basic operation and use of your avalanche transceiver.

The Barryvox® avalanche transceiver is suitable for all sports in avalanche-prone terrain, as they pose inherent dangers. Knowledge and experience are essential to reduce the risk of injury or even death. Do not go into the terrain unless you are accompanied by an experienced person or have sufficient training and experience. Be attentive, rational and aware of possible dangers. Never go into avalanche-prone terrain alone. You **MUST** read and understand the user manual before using the avalanche transceiver in avalanche-prone terrain! Incorrect use can significantly impair the search for buried subjects as well as the performance and safety of this device. The avalanche transceiver must always be securely attached to your body.

In an emergency, it is vital that you are proficient in the theory and practice of avalanche awareness and train regularly. Plan carefully and never go into avalanche-prone terrain without the Essential 4 (avalanche transceiver, shovel, probe and avalanche backpack).

2. Getting Started

2.1. Fasten safety leash and insert batteries

- Attach the safety leash to the eyelet on the device.
- Open the battery compartment, insert the supplied alkaline batteries and close the flap by snapping it into place.

2.2. Install the Barryvox® app

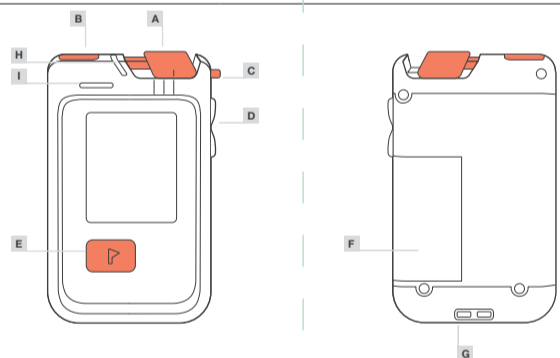
- Install:** Firmware updates
- Organize:** Device configuration
- Training:** Barryvox® training park
- Benefit:** Warranty extension

2.3. App installed? Connect your Barryvox® via Bluetooth®

- Activate Bluetooth on your smartphone, open the Barryvox® app and select "Add device."
- Slide the main switch of the Barryvox® from OFF to SEND. After switching on, Bluetooth is active for 90 seconds.
- The Bluetooth connection between Barryvox® and smartphone is established.
- Confirm on your smartphone with "Connect."
- Disconnect in the app after you have made all the changes. The Barryvox® will now emit a three-beep sequence to confirm that it is in transmit mode.

Do not use the Bluetooth connection while you are on tour! As long as the Barryvox® is connected to a smartphone, it will not send a signal.

Guidance



A	Main switch OFF / SEND / SEARCH	OFF position: Device is switched off SEND position: Device is in Send mode SEARCH position: Device is in Search mode
B	Unlock button	Hold down to move main switch away from SEND. The Unlock button is not required to set to SEND.
C	SEARCH-to-SEND switching aid	Switch from SEARCH to SEND
D	Side buttons	Browse in list
E	Mark button	Confirm selection In SEARCH: Mark localized buried subject
F	Battery compartment	
G	Eyelet for safety leash	
H	SEND indicator light	Flashing every second: Transmission signal OK No flashing: Transmission signal impaired (observe warning on display) In rescue SEND, double flashing every 3s
I	Loudspeaker	

User interface

SEND

- In the first few seconds after switching on:
 - Settings
 - Group check
- As long as you are in Settings, the Barryvox® does not send a transmitting signal.

SEND

- Bluetooth symbol (flashing for 90 seconds after switching on, during this time a connection with the smartphone can be established)
- Burial data
- Battery status
- Send mode
- Self test confirmation

SEND

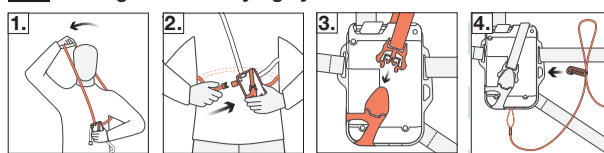
- Group members
- Lead person
- Status information or note for lead person
- Press the Mark button to end the group check and go to SEND

SEARCH

- Search direction
- Signal search
- Selected buried subject
- Distance to the detected signal
- Number of persons buried
- Search speed and position

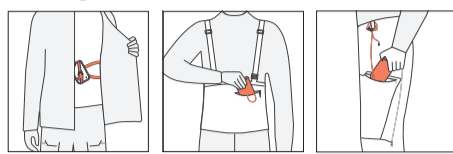
3. On Tour

3.1. Putting on the carrying system



1. Pull the black strap of the carrying system over your head and left arm.
2. Place the gray elastic band around your waist and close the quick-release fastener. Adjust the strap lengths so that the carrying system is close to your body and fits securely.
3. Insert the Barryvox® into the holder with the display facing the carrying system and close the quick-release fastener around the Barryvox®.
4. Attach the carabiner of the safety leash to the carrying system.

Warning



Wear the Barryvox® in the carrying system (recommended) over the base layer of clothing and cover it with at least one clothing layer.

Carry the Barryvox® without the carrying system in a zippered front trouser or bib pocket. Attach the safety leash to your pants or pull it through a belt.

Always point the Barryvox® display towards your body.

3.2. Check distance from sources of interference

The signal from an avalanche transceiver can be negatively affected by metallic or electronic objects. These include smartphones, radios, headlamps, sports watches, action cameras, heated gloves, pacemakers and magnetic buttons.

Check that your avalanche transceiver is at least the following distance from metallic or electronic objects:

- On SEND: 20 cm
- On SEARCH: 50 cm and electronic devices off

The Barryvox® continuously conducts a self test from the moment it is switched on, checking battery status and general functionality. Follow the instructions on your Barryvox® and do not set off on tour if a warning is displayed.

Warning: Device transmits with reduced transmission power.

4. In Search mode

In order for the search for buried subjects to be successful in an emergency, training must be conducted precisely and on a regular basis.

Information about the search and rescue process, the mobile Barryvox® training park and details regarding avalanche courses in your area can be found on Barryvox.com and in the Barryvox® app.

Are you taking charge of searching with the avalanche transceiver?

Yes

No, others are handling that. I am focused on surface search, probing, shoveling, calling for help or first aid.

Set your Barryvox® to SEARCH.

Set your Barryvox® to Rescue SEND.
To do this, slide the main switch from SEARCH to SEND and press the Mark button.

Rescue SEND temporarily suppresses your signal to avoid disturbance during rescues. If your Barryvox® detects no motion for at least 4 minutes, it assumes a burial and automatically sends a signal again.

4.1. Search procedure

Signal search

- Visually and acoustically search the avalanche surface very quickly and systematically in a zigzag pattern until you hear the first clearly audible double beep.
- Hold the Barryvox® to your ear and move with visual focus on the surface to look for visual clues.

Coarse search

- At the first beep, move quickly in the direction of the arrow.
- Hold the Barryvox® horizontally in front of you with an extended arm.
- Reduce search speed below a distance of 10.

Fine search

- Follow the exact direction of the arrow at walking speed
- Hold the Barryvox® centrally in front of you at knee height without changing its orientation.
- Follow the instructions of the Barryvox® and fine search in a cross pattern until you have reached the smallest distance and the probe indication appears.
- Mark this point with an object.

Pinpointing

- Probe systematically from the marked point in a probing spiral.
- Leave the probe in place when you have successfully located the buried subject with a probe hit.

Mark buried subject

- Mark the buried subject as found by pressing the Mark button as soon as you have located them using the probe – and truly only at that point.

Excavate buried subject

- For tips on efficient excavation, visit Barryvox.com or check out the Barryvox® app.

4.2. Search procedure for multiple buried subjects

If several people may have been buried, continue the search. Keep track of all buried subjects on your Barryvox®. The flag symbol in the sidebar indicates that a buried subject has been detected and marked.

4.3. Automatic switching from search to send

If you are caught by a secondary avalanche during the search, the Barryvox® automatically switches to SEND after 4 minutes without user intervention or movement.

5. Service and maintenance

5.1. Inspection

Before and after every tour

- The housing must not be damaged and the display must be easy to read.
- All switches and buttons must function properly.
- The battery compartment must be dry and free of corrosion.
- Prior to every tour, the battery status of your Barryvox® should be at least 40% with alkaline batteries and at least 30% with lithium batteries.

Prior to the season

- Check if you need to replace your batteries and use only new alkaline (LR03/AAA) or lithium (L92/AAA) batteries of the same type and never rechargeable batteries. When replacing the batteries with new ones, always replace all of the batteries at the same time.
- Check if firmware updates are available.

After the season

- Remove the batteries from the device to prevent them from leaking during prolonged storage.
- Have your device officially checked regularly. The next maintenance date can be seen when you switch off your Barryvox®.

5.2. Safety-relevant information

Please note the following safety instructions and contact us if you have any questions or if you are not sure about anything.

The Barryvox® has been developed with maximum care and consideration for all safety-relevant factors. Nevertheless, the following potential risks remain:

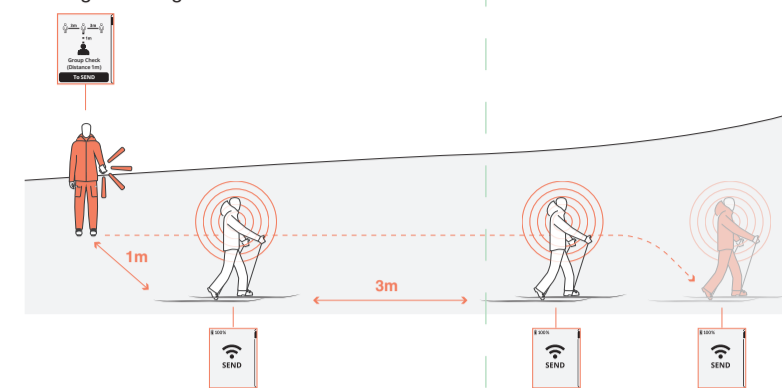
- Risk of losing the device if carried incorrectly: Keep the Barryvox® in the intended carrying system or a secured bag and fasten it with the safety leash.
- Risk of explosion due to incorrectly used batteries or damaged batteries, risk of incorrect capacity display due to improperly used batteries: Only use alkaline (LR03/AAA) 1.5 V or lithium (L92/AAA) 1.5V batteries. Do not use damaged batteries.

3.3. Set to SEND

Keep your Barryvox® on SEND in all situations where there is an avalanche risk. To save energy, the display turns off after 30 seconds. Press any button to reactivate it.

3.4. Performing a group check

Before setting off on tour, the avalanche transceivers of all group members must be checked by the group leader using the group check function. The Barryvox® tests the correct transmission function and signal strength.



1. All group members switch their avalanche transceivers to SEND.
2. The lead person sets their Barryvox® from OFF to SEND and presses the Mark button in the first 5 seconds to start the group check.
3. Group members stand at least 3 m away from each other so as not to interfere with each other's signal.
4. The lead person checks the signal of all avalanche transceivers one after the other at a distance of 1 m, but no less than 0.5 m.

The Barryvox® of the lead person must give at least one double beep and display the confirmation "Group Check OK" within the test distance for each avalanche transceiver that is checked.

Do not use the tested device if no sound is audible within the displayed test distance or a warning is displayed.

In case of irregularities, check:

- Is the avalanche transceiver set to SEND?
- Are the batteries OK?
- Distance rule observed?

Warning still there? Have your device checked by the manufacturer.

5. The lead person closes the group check with the Mark button and thus switches to SEND. A three-beep sequence confirms this.