

PULSE Barryvox® and ELEMENT Barryvox® are designed for ski, snowboard, snowshoe, and snowmobile travel off maintained trails. All winter sport activities are inherently dangerous. Knowledge and experience are essential to reduce the risk of injury or even death. Do not enter avalanche terrain without an experienced guide or equivalent training. Apply common sense at all times. Never pursue these activities alone.

Version 1.1 2013

PULSE Barryvox®

ELEMENT Barryvox®

Barryvox Legal and Regulatory Guide

Find more Barryvox Resources at:
www.mammut.ch/Barryvox



MAMMUT

Barryvox Service Centers and Additional Resources

For additional information on avalanche rescue, avalanche theory and the official Barryvox Service Centers please visit www.mammut.ch/Barryvox.

The following documents are available for the Barryvox Transceivers at www.mammut.ch/BarryvoxManual:

- Barryvox Legal and Regulatory Guide
- Barryvox Reference Handbook
- Barryvox Emergency Plan
- Barryvox Application Safety Guide
- Barryvox User Manual

It is absolutely necessary that you read this safety relevant information and familiarize yourself with the device before you use it in avalanche terrain!

Important, register your Barryvox® today!

By registering your device, you will gain exclusive access to the Barryvox Service Network. We will remind you when to have your device serviced and provide you with technical tips, the latest insights on avalanche theory, as well as information about the availability of software updates.

Register today at www.mammut.ch/barryvox

All information provided without liability. Status July 2012. Technical data and specifications are subject to change without notice in future transceivers.

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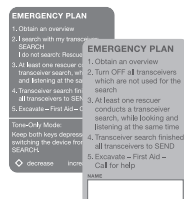
MADE IN SWITZERLAND

Barryvox Emergency Plan

The emergency plan shows the elementary steps for a successful companion rescue.

Depending on the situation at hand, the procedure must be adapted.

Stick the **emergency plan** on the back of the battery compartment lid.



Periodic Checks and Preventative Maintenance

To ensure the proper performance of the transceiver, it is highly recommended that you send your device to a service center once every three years for a functional test.

To further optimize the safe application of the device, especially in institutional settings, please refer to the application safety guide.

Warranty

There is a 5-year warranty on the Barryvox transceiver (excluding the batteries, the carrying system, and the wrist loop) from the date of purchase shown on the purchase receipt. In case of a warranty claim, all parts that can be shown to have material or production defects will be replaced free of charge. Damage due to incorrect handling or normal wear and tear is excluded. The warranty is voided if the buyer or any non-authorized third party opens the device. This is also the case for devices that have been used with spare parts or accessories, which are not original and are not recommended by the manufacturer. A fee will be charged for the diagnostic test of a transceiver not needing any repair. Warranty repairs do not extend the duration of the warranty. There is a six-month warranty on spare parts. Warranty repairs will only be conducted if the device is sent in along with the purchase receipt. The owner will be charged for the return shipping costs. No other warranty shall exist. Any liability for any kind of loss or damage including but not limited to any direct, indirect or consequential damage is explicitly excluded.

Disposal Information



At the end of its lifetime, this product may not be disposed in the regular waste. It must be recycled by a specialized facility for recycling electronic devices.

USA: FCC Statement

This equipment has been tested and found to comply with the limits for Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residual installation. This equipment generates, uses and can radiate frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experienced radio/TV technician for help
- To assure continued compliance, any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with the 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.

Canada: IC Statement

This device complies with Industry Canada licence-exempt RSS standard(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 causes undesired operation of the device

Le présent appareil est conforme CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

1. l'appareil ne doit pas produire de brouillage, et
2. l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement

Europe – EU Declaration of Conformity

cs Cesky [Czech]	Mammut Sports Group AG tímto prohlašuje, že tento PULSE Barryvox/ELEMENT Barryvox je ve shodě se základními požadavky a dalšími příslušnými ustanoveními směrnice 1999/5/ES.
da Dansk [Danish]	Undertegnede Mammut Sports Group AG erklærer herved, at følgende udstyr PULSE Barryvox/ELEMENT Barryvox overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.
de Deutsch [German]	Hiermit erklärt Mammut Sports Group AG, dass sich das Gerät PULSE Barryvox/ELEMENT Barryvox in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.
et Eesti [Estonian]	Käesolevaga kinnitab Mammut Sports Group AG seadme PULSE Barryvox/ELEMENT Barryvox vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.
en English	Hereby, Mammut Sports Group AG, declares that this PULSE Barryvox/ELEMENT Barryvox is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
es Español [Spanish]	Por medio de la presente Mammut Sports Group AG declara que el PULSE Barryvox/ELEMENT Barryvox cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE.
el Ελληνική [Greek]	ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ Mammut Sports Group AG ΔΗΛΩΝΕΙ ΟΤΙ PULSE Barryvox/ELEMENT Barryvox ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΗΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/EK.
fr Français [French]	Par la présente Mammut Sports Group AG déclare que l'appareil PULSE Barryvox/ELEMENT Barryvox est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.
it Italiano [Italian]	Con la presente Mammut Sports Group AG dichiara che questo PULSE Barryvox/ELEMENT Barryvox è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

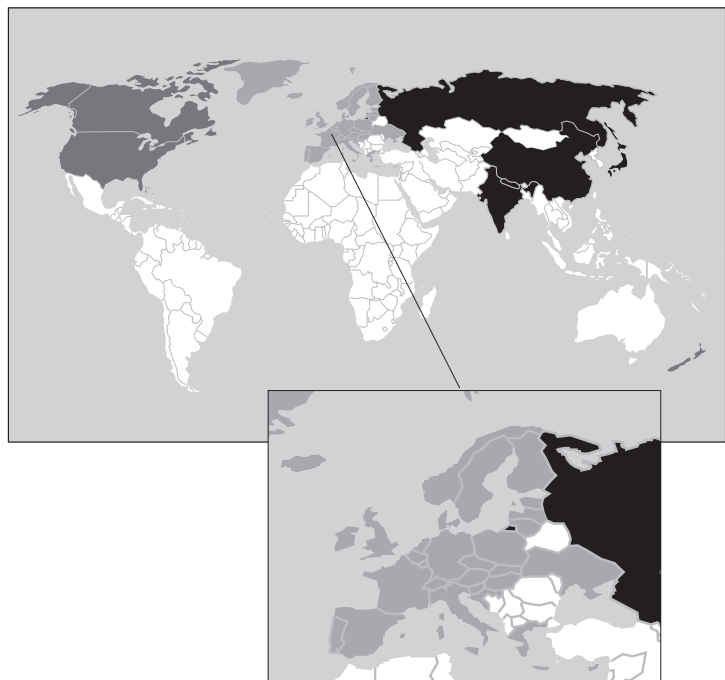
lv Latviski [Latvian]	Ar šo Mammut Sports Group AG deklarē, ka PULSE Barryvox/ELEMENT Barryvox atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.
lt Lietuvių [Lithuanian]	Šiuo Mammut Sports Group AG deklaruojama, kad šis PULSE Barryvox/ELEMENT Barryvox atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.
nl Nederlands [Dutch]	Hierbij verklaart Mammut Sports Group AG dat het toestel PULSE Barryvox/ELEMENT Barryvox in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.
mt Malti [Maltese]	Hawnhekk, Mammut Sports Group AG, jiddikjara li dan PULSE Barryvox/ELEMENT Barryvox jikkonforma mal-htigijiet essenzjali u ma provvedimenti oħrajn rilevanti li hemm fid-Direttiva 1999/5/EC.
hu Magyar [Hungarian]	Alulírott, Mammut Sports Group AG nyilatkozom, hogy a PULSE Barryvox/ELEMENT Barryvox megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.
pl Polski [Polish]	Niniejszym Mammut Sports Group AG oświadcza, że PULSE Barryvox/ELEMENT Barryvox jest zgodny z zasadniczymi wymogami oraz pozostałymi stosownymi postanowieniami Dyrektywy 1999/5/EC.
pt Português [Portuguese]	Mammut Sports Group AG declara que este PULSE Barryvox/ELEMENT Barryvox está conforme com os requisitos essenciais e outras disposições da Directiva 1999/5/CE.
pt Slovensko [Slovenian]	Mammut Sports Group AG izjavlja, da je ta PULSE Barryvox/ELEMENT Barryvox v skladu z bistvenimi zahtevami in ostalimi relevantnimi določili direktive 1999/5/ES.
sk Slovensky [Slovak]	Mammut Sports Group AG týmto vyhlasuje, že PULSE Barryvox/ELEMENT Barryvox spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.
fi Suomi [Finnish]	Mammut Sports Group AG vakuuttaa täten että PULSE Barryvox/ELEMENT Barryvox tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
sv Svenska [Swedish]	Härmed intygar Mammut Sports Group AG att denna PULSE Barryvox/ELEMENT Barryvox står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

Barryvox® W(ireless)-Link

Your Barryvox® has a W-Link communication channel that allows data communication between W-Link capable avalanche transceivers. The W-Link channel allows the exchange of vital data (PULSE Barryvox® only), providing faster and more reliable multiple burial data as well as the communication with the W-Link based test and configuration adapters. The W-Link channel is completely separate from the primary 457kHz functions of the transceiver. **Without W-Link data available, your transceiver will still operate as a normal 457kHz avalanche transceiver in transmit and receive mode.** Due to differences in country specific communication laws and frequency usage, the W-Link configuration is different in different countries.

W-Link World Map

Different countries have varying frequency regulations. The following world map shows the frequencies used in the individual countries. **Note that specific frequencies may not be used in certain countries. The frequency is factory set depending on the country of sale. The manufacturer declines all liability in the case of after-sale frequency modifications.**



Frequency setting:

Region A / W-Link Frequency Band 868 MHz [= light grey]

EU- and EFTA-Member Countries

Region B / W-Link Frequency Band 915 MHz [= dark grey]

USA, Canada and New Zealand

W-Link not allowed [= black]

Japan, Russia, India, China

unknown [= white]

PULSE Barryvox®



Standard 457kHz Avalanche Transceiver Functionality

Independently of the availability of W-Link data, your transceiver will always operate as a normal 457kHz avalanche transceiver in transmit and receive mode.

US, Canadian and New Zealand Version (W-Link Region B)

Please note that the W-Link frequency used in Europe is different than that used in North America and New Zealand. Furthermore the American Federal Communications Commission (FCC) specifically prohibits that the customer can choose the W-Link region on his or her own, except for disabling the W-Link completely. If you own a PULSE Barryvox® purchased in North America or New Zealand and need to use your device in Europe, you can have the European W-Link configuration activated by an official Barryvox Service Center.

European Version (W-Link Region A)

The European Telecommunications Standards Institute (ETSI) allows the customer to choose the W-Link frequency on his or her own. If you have a European W-Link configuration, you can choose in the settings whether your device should operate in the W-Link region A or B, or if W-Link should be completely disabled.

Japanese Version

Please note that the W-Link function is not allowed in Japan. When using your PULSE Barryvox® outside of Japan, you can have the appropriate W-Link configuration activated by an official Barryvox Service Center.

How to modify the W-Link setting of your PULSE Barryvox®

To access the «Settings», switch the transceiver from OFF to SEND, wait for the «Group Check» message to appear at the bottom of the screen and then press any key. The confirmation «activated» appears at the bottom of the screen. Wait until the start menu appears. The selection is now on the first entry «Group Check», press the ◊-key within 8 seconds to get to the menu item «Profile». Confirm your selection by pressing the ○-key. Press the ◊-key, to get to the «Advanced» profile. Confirm your selection by pressing the ○-key. Press the ◊-key, to get to the menu item «Settings». Confirm your selection by pressing the ○-key. Press the ◊-key, to get to the menu item «W-Link». Confirm your selection by pressing the ○-key. Press the ◊-key, to choose the appropriate W-Link setting (see «W-Link World Map»). Confirm your selection by pressing the ○-key.

EC Declaration of Conformity

Manufacturer: **Mammut Sports Group AG**
 Address: **Birren 5**
 City: **CH-5703 Seon**
 Country: **Switzerland**

declares that the equipment:
 Product: **Avalanche Beacon**
 Type designation(s): **PULSE Barryvox® 462001-10000**
 Trademark: **Mammut®**

is in compliance with the essential requirements and other relevant provisions of Directives 1999/05/EC and 2011/65/EU.
ETSI EN 300 718-2 V1.1.1; ETSI EN 300 718-3 V1.2.1; EN 300 220-2 V2.3.1; EN 301 489-1 V1.8.1; EN 301 489-3 V1.4.1; EN 60950-1:2006 / A11:2009; EN 62479:2010

Date: **19. April 2013**
 City: **CH-5703 Seon**
 Name: **Andres Lietha** **Mick Farnworth**

Signature: *A. Lietha* *M. Farnworth*
 Head of Business Purchasing Manager
 Unit Hardware Hardware

Approval / Conformity

Manufacturer	Mammut Sports Group AG
Country of origin	Switzerland
Type	PULSE Barryvox® Code number CE0560
USA/Canada/New Zealand	Type/Model: PULSE Barryvox® 462002-10000
IC:	8038A-PULSE
FCC ID:	ARNPULSE-B-462002 New Zealand: CE N11394
All Regions With Disabled W-Link	Type/Model: PULSE Barryvox® 462003-10000

ELEMENT Barryvox®



Standard 457kHz Avalanche Transceiver Functionality

Independently of the availability of W-Link data, your transceiver will always operate as a normal 457kHz avalanche transceiver in transmit and receive mode.

US, Canadian and New Zealand Version (US/W-Link Region B)

Please note that the W-Link frequency used in Europe is different than that used in North America and New Zealand. If you own an ELEMENT Barryvox® purchased in North America or New Zealand your device is only able to exchange W-Link information with devices communicating on the W-Link region B frequency.

European Version (EU/W-Link Region A)

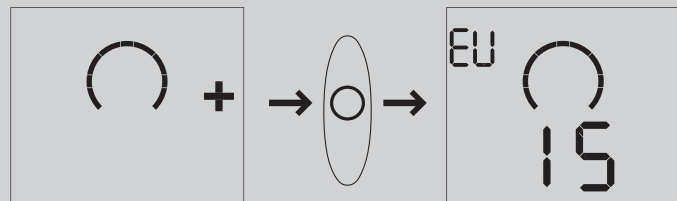
Please note that the W-Link frequency used in North America and New Zealand is different than that used in Europe. If you own an ELEMENT Barryvox® purchased in Europe your device is only able to exchange W-Link information with devices communicating on the W-Link region A frequency.

Japanese Version (no/W-Link not available)

Please note that the W-Link function is not allowed in Japan and therefore not available.

How to verify the W-Link setting of your ELEMENT Barryvox®

Press the key on the side during shut-down to view the W-Link region of your device. EU = W-Link Region A, NA = W-Link Region B, no = W-Link not available.



Shut-down screen

Top left: W-Link Region
 Bottom: Year of next periodic check

EC Declaration of Conformity

Manufacturer: **Mammut Sports Group AG**
 Address: **Birren 5**
 City: **CH-5703 Seon**
 Country: **Switzerland**

Declares that the equipment:
 Product: **Avalanche Beacon**
 Type designation(s): **ELEMENT Barryvox® A10010-10000**
 Trademark: **Mammut®**

is in compliance with the essential requirements and other relevant provisions of Directives 1999/05/EC and 2011/65/EU.
ETSI EN 300 718-2 V1.1.1; ETSI EN 300 718-3 V1.2.1; EN 300 220-2 V2.3.1; EN 301 489-1 V1.8.1; EN 301 489-3 V1.4.1; EN 60950-1:2006 / A11:2009; EN 62479:2010

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 Head of Business Purchasing Manager
 Unit Hardware Hardware

Approval / Conformity

Manufacturer	Mammut Sports Group AG
Country of origin	Switzerland
Type	ELEMENT Barryvox® Code number CE0560
USA/Canada/New Zealand	Type/Model: ELEMENT Barryvox® A10012-10000
IC:	8038A-ELEMENT
FCC ID:	ARN-ELEMENT-B-211 New Zealand: CE N11394
All Regions With Disabled W-Link	Type/Model: ELEMENT Barryvox® A10013-10000