Pieps GmbH

Parkring 4, A-8403 Lebring, Austria

DE Register your device today and get a 3-year warranty extension!
EN Register your device today and get a 3-year warranty extension!
FR Register your device today and get a 3-year warranty extension!

EXAMPLE12345

Product Registration Key

www.pieps.com

PIEPS PRO BT/POWDER BT QUICK START GUIDE

Spine- printer to adjust width as necessary

06/18 MXXXX_A

PREMIUM
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PIEPS

PRO BT
POWDER BT

QUICK START GUIDE

PIEPS **PRO BT**

PIEPS **POWDER BT**

Spine- printer to adjust width as necessary

QUICK START GUIDE

PIEPS PRO BT
PIEPS POWDER BT

DE This user manual is a short description. Please take time to read the full manual carefully. You can download it from the appropriate product page on our website. Practice with your beacon prior to taking it on a tour!

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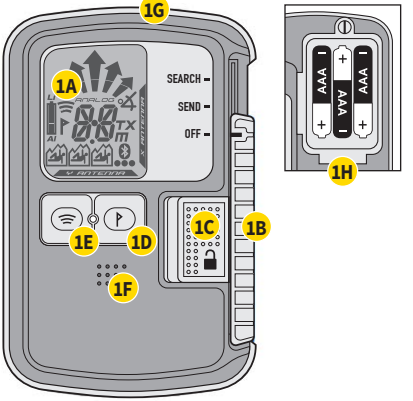
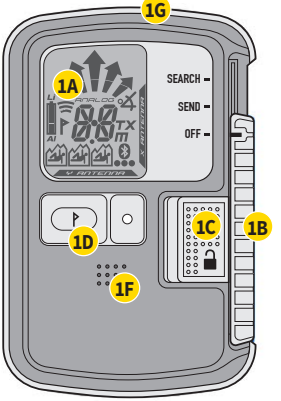
FIGURES

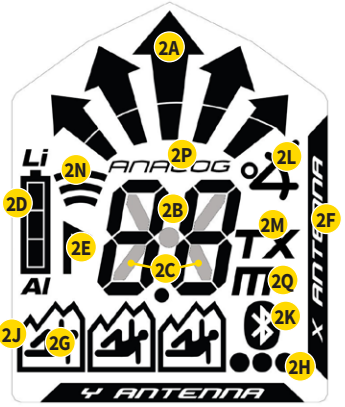
1. PIEPS PRO BT



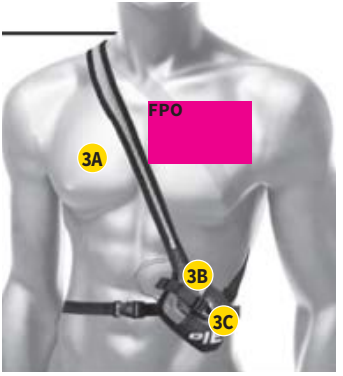
1. PIEPS POWDER BT



2. DISPLAY | DISPLAY | ECRAN



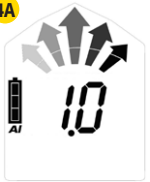
3. TRAGEN | CARRYING | PORTAGE



FIGURES

4. EINSCHALTEN | SELBSTTEST | SEND-MODUS
SWITCHING ON | SELF-CHECK | SEND MODE
ALLUMAGE | AUTO-CONTRÔLE | MODE EMISSION

4A



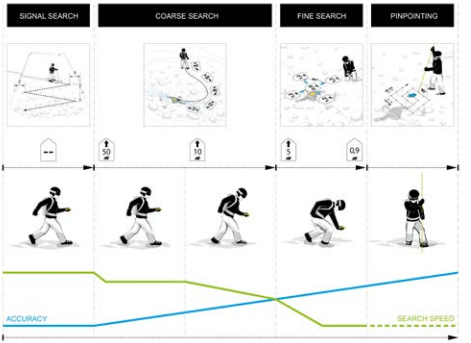
4B

4C

4D

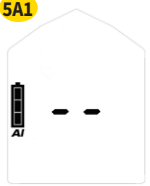
5. SEARCH-MODUS | SEARCH MODE | MODE RECHERCHE

5A 5B 5C 5D



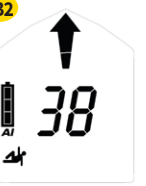
5E

5A1



5B1

5B2



5B3

PIEPS PRO BT/POWDER BT

QUICK START GUIDE

⚠ WARNING

⚠ NOTICE! The user must read the operating manual! This manual is a short description. Some functions are mentioned only partly or are missing completely. Please take time to read the full manual carefully. You can download it from the appropriate product page on our website: www.pieps.com

⚠ NOTICE! An avalanche beacon does not protect against avalanches! Detailed knowledge of avalanche prevention is as indispensable as regularly practicing victim searches in an emergency. The following procedures and tips relate only to special usage in conjunction with the PIEPS PRO BT/POWDER BT. The basic line of action in an emergency – as explained in specialist publications and material from avalanche courses – must be followed.

⚠ NOTICE! All avalanche beacons are very sensitive to electrical and magnetic sources of interference. Due to this, all manufacturers recommend keeping a minimum distance from electronic, magnetic and metallic sources of interference (mobile phone, radio, keys, magnetic closures, etc.): Minimum distance in send mode: 20 cm | Minimum distance in search mode: 50 cm

⚠ WARNING! Risk of hearing damage due to the high noise level. Never hold the avalanche beacon directly next to your ear. A minimum distance of 50 cm is recommended.

THANK YOU FOR PURCHASING A PIEPS PRO BT/POWDER BT!

Register your unit in the PIEPS APP (iOS, Android) or at my.pieps.com and get:

- a warranty extension from 2 to 5 years!
- important information on software updates!

FEATURES

- 3 antenna technology
- Big, circular receiving range for a quick and stable signal detection
- Perfect signal processing, even in difficult situations (multiple burials)
- Mark function
- Comprehensive self-check
- Easy to use group check
- Automatic interference protection
- Auto search-to-send
- iPROBE support

The PIEPS PRO BT provides additional functionality for maximum support in professional use:

- SCAN function
- Analog mode
- Victim selection
- Groupcheck pro-mode

PACKAGING

- 1x PIEPS PRO BT/POWDER BT
- 3x Alkaline battery (in battery compartment)
- 1x PIEPS PRO BT/POWDER BT carrying system
- 1x PIEPS hand loop
- 1x Quick Start Guide
- 1x PIEPS-Sticker

Check that the contents are complete and undamaged after unpacking. If necessary, contact your point of sale or our support team.

FEATURES (SEE FIGURES)

STRUCTURE DEVICE

(1A) LCD display (backlight)
(1B) Slider OFF/SEND/SEARCH
(1C) Slider lock
(1D) Button MARK
(1E) Button SCAN*
(1F) Speaker
(1G) Transmit control LED
(1H) Battery compartment

STRUCTURE DISPLAY

(2A) Direction indication
(2B) Distance indication
(2C) Transmit symbol
(2D) Battery capacity/type
(2E) MARK (marking possible)
(2F) Active transmitting antenna
(2G) Number of burials (1-3)
(2H) Number of burials (4 or more)
(2J) Transmitter marked
(2K) Bluetooth® active
(2L) Inclinator mode*
(2M) TX600 mode*
(2N) SCAN mode*
(2P) Analog mode*
(2Q) Meter symbol for SCAN /analog mode*

* PIEPS PRO BT only

CARRYING SYSTEM

PIEPS recommends using the included carrying system (3A) or an approved apparel pocket. In order to protect the beacon's display, carry the beacon with its display facing inwards (3B). The transmit control LED (1G) is visible in the pouch´s window (3C).

SWITCHING ON | SELF-CHECK | SEND MODE

Switching on: Move the slider lock (1C) to the left and the slider (1B) upwards into the position SEARCH. Then release the slider lock (1C) and move the slider (1B) downwards, until it locks in the position SEND.
The display shows firmware version, battery capacity, self-check progress (4A), self-check result (4B), group check countdown (4C) and finally the send display with the active transmitting antenna (4D).

The device is now in send mode, the transmit control LED (1G) is blinking.

SEND ⇨ SEARCH

Move the slider lock (1C) to the left and the slider (1B) upwards in the position SEARCH.

SEARCH ⇨ SEND

Move the slider (1B) downwards, until it locks in the position SEND.

SECONDARY AVALANCHE | AUTO-SEARCH-TO-SEND

The PIEPS PRO BT/POWDER BT provides the feature Auto-Search-to-Send. By default, it is disabled and can be enabled in the PIEPS APP device manager. Once enabled, the device switches from search mode to send mode automatically after a certain time without motion (burial).

GROUP CHECK

Despite a comprehensive self-check, a beacon check (send check and receive check) is obligatory prior to every tour! The PIEPS PRO BT/POWDER BT provides the group check function. In group check mode the receiving range is limited to 1 m.

	Group check regular PIEPS PRO BT/POWDER BT Check: frequency	**Group check extended** PIEPS PRO BT only Check: frequency/pulse/period
Start	Press and hold the button MARK (1D) during the group check countdown (CH)	Press and hold the button SCAN (1E) during the group check countdown (CH)
Result	• “Distance indication“ = OK • “Er“ = error (frequency not according to standard)	• “OK“ = OK • “Er“ = error (one or more transmit parameters not according to standard)
End	Release button	

The PIEPS PRO BT additionally provides a pro mode. The pro mode allows a transmit check as well as a receive check without exiting the group check mode. By default, it is disabled and can be enabled in the PIEPS APP device manager.

SEARCH MODE | SEARCH STRATEGY

SIGNAL SEARCH (5A)

Walk the search strip width in the search area quickly. The recommended search strip width for the PIEPS PRO BT/POWDER BT is 60 m. The display shows “no signal” (5A1).

COARSE SEARCH (5B)

As soon as a signal is received, follow the direction indication quickly and see if the distance reading goes down. If the distance reading increases, change your direction by 180°.

- (5B1) go left
- (5B2) go straight ahead
- (5B3) go right

FINE SEARCH (5C)

The direction arrow disappears at a distance reading of 2 m. Look for the point of the lowest distance reading. Work slowly and on the surface of the snow.

PINPOINTING (5D)

Check the search result by systematic probing. On a hit, leave the probe stuck.

MULTIPLE BURIAL (5E)

A multiple burial would be indicated clearly on the display by the number of small human figures (2G, 2H).

Marking is possible from a distance reading of 5 m and is indicated by the MARK symbol (2E). Press the MARK button (1D) briefly to “hide” the localized transmitter. A successful flagging would be confirmed by a frame around the human figure (2J). The display would then indicate the direction/distance to the next strongest signal inside the receiving range.

MORE HELPFUL PIEPS FEATURES

- Automatic interference protection
- Old-device-indication
- iPROBE support

Find details in the full online manual.

ADDITONAL PIEPS PRO BT FEATURES

- **SCAN:** for a quick overview
- **Analog mode:** for special search strategies as well as for education reasons
- **Victim selection:** increase in efficiency in multiple rescuer situations
- **Vibra functions:** vibration on first signal detection and as transmit confirmation
- **TX600 support:** for separated search for humans and animals/equipment
- **Inclinometer:** for an easy gradient measurement

Find details in the full online manual.

DEVICE MANAGEMENT WITH THE PIEPS APP

Bluetooth® and the PIEPS APP allow a straightforward device management (e.g. software update) and additionally provide a handy training mode.

Get the PIEPS APP (Android Play Store, iOS App Store), connect your PIEPS PRO BT/POWDER BT and take advantage of all features!

To activate Bluetooth, press the button MARK (1D) while switching on the beacon.

⚠ DANGER! Risk of a not transmitting device

The Bluetooth mode is supposed for device management and training mode only. Never use the Bluetooth mode in avalanche terrain!

BATTERY

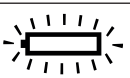
Change the batteries as soon as the battery capacity indication (2D) shows an empty battery. Always change all three batteries at once! To do so, open the battery compartment (1H) and be sure to insert the new batteries the right way around.
For battery disposal, follow the applicable regulations in your country.

⚠ DANGER! Risk of explosion from incorrectly used batteries

⚠ DANGER! Risk of incorrect battery capacity indication

Only use batteries of type “Alkaline (AAA) LR03 1.5 V“ or “Lithium (AAA) FR03 1.5V“! The use of Lithium batteries must be confirmed in the PIEPS APP!

Battery life	Alkaline	Lithium
PIEPS PRO BT	400 h SEND	600 h SEND
PIEPS POWDER BT	200 h SEND	300 h SEND

	**3/3 full**	100% - 66% h SEND	✔
	**2/3 full**	66% - 33% h SEND	✔
	**1/3 full**	33% - 20 h	✔
	**empty**	20 h SEND (+10° C/50° F) + 1 h SEARCH (-10° C/14° F)	
	**empty, blinking**	Final reserve, device can shut down at any time	

WARRANTY CONDITIONS

The manufacturer is responsible for the materials and workmanship of the PIEPS PRO BT/ POWDER BT for two years from the date of purchase. Exceptions are the batteries, carrying system and hand loop as well as any damage caused by improper use or dismantling of the unit by unauthorized persons. Any other warranties and liability for consequential damage are expressly excluded. For warranty claims, please take proof of purchase to the place of sale.

TECHNICAL SPECIFICATIONS

Device name :	PIEPS PRO BT/POWDER BT
Transmission frequency:	457 kHz
Field strength:	max. 7 dBµA/m (2,23 µA/m) at a distance of 10 m
Power supply:	3x Alkaline (AAA) LR03 1.5 V or 3x Lithium (AAA) FR03 1.5V
Battery lifetime:	400/200 h (Alkaline) 600/300 h (Lithium)
Maximum range:	60 m
Search strip width:	60 m
Dimensions (LxWxH):	118 x 76 x 29 mm
Weight:	230 g (incl. batteries)
Temperature range:	-20°C to +45°C (-4°F to +113°F)

CONFORMITY

EUROPE

Hereby, Pieps GmbH declares that the radio equipment type PIEPS PRO BT/POWDER BT is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: www.pieps.com/conformity

USA/CANADA

Manufacturer: Pieps GmbH | Country of origin: Austria | Type/Model: PRO BT/POWDER BT
FCC ID: REMDSP04, contains FCC ID VPYLBZY | IC: 7262A-DSP04, contains IC 772C-LBZY

USA: FCC Notice, Cautions and Statement

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.

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 transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).

Canada: IC Notice

This device complies with Industry Canada's 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 may cause undesired operation of the device.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).