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Register your device today and get a warranty extension!

Enregistrez votre appareil dès aujourd'hui et profitez d'une extension de garantie !

Jetzt Lawinen-Pieps registrieren und die Garantie verlängern!



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GUIDE BT/RECON BT QUICK START GUIDE

Spine-printer to adjust width as necessary

07/22

M13108_F_DRAFT



**GUIDE BT
RECON BT**

QUICK START GUIDE





Guide BT



Recon BT

Spine-printer to adjust width as necessary



Quickstart Guide

GUIDE BT

RECON BT



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!

Ce manuel est une description abrégée. Veuillez prendre le temps de lire attentivement le manuel intégral. Vous pouvez le télécharger depuis la page du produit sur notre site internet. Pratiquez avec votre balise avant de l'emmener en tournée!

Diese Bedienungsanleitung ist eine Kurzbeschreibung. Bitte lesen Sie die vollständige Bedienungsanleitung sorgfältig durch! Sie finden diese als Download-Version auf der entsprechenden Produktseite auf unserer Homepage. Üben Sie mit Ihrem Lawinen-PIEPS, bevor Sie es mit auf Tour nehmen!

BlackDiamondEquipment.com

Figures	2
English	4
Français	12
Deutsch.....	19
Italiano	26
Español	33
Nederlandse	40
Norsk.....	47
Svenska	53
Suomi	60
Polski	66
Český	73
Slovenský.....	79
Slovenščina	85
Русский	91
日本語.....	98

FIG

EN

FR

DE

IT

ES

NL

NO

SV

FI

PL

CZ

SK

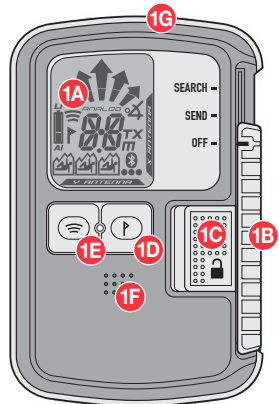
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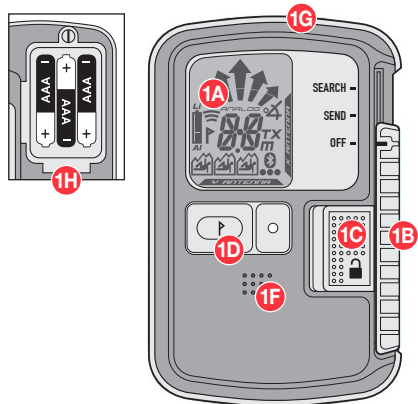
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FIGURES

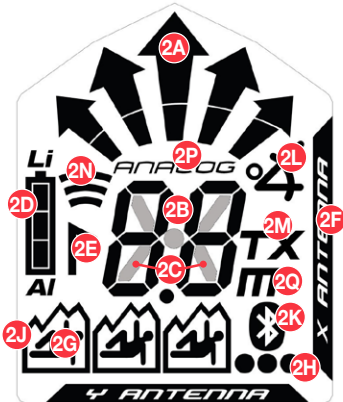
1. BLACK DIAMOND GUIDE BT



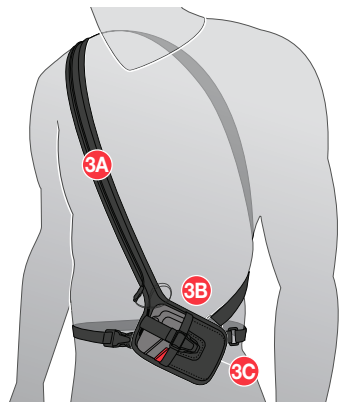
1. BLACK DIAMOND RECON BT



2. DISPLAY | ECRAN | DISPLAY

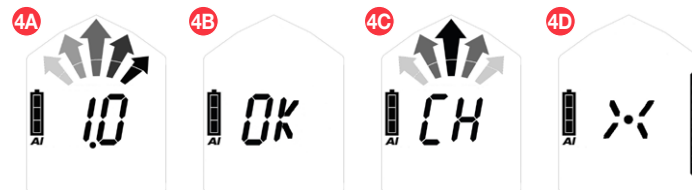


3. CARRYING | PORTAGE | TRAGEN

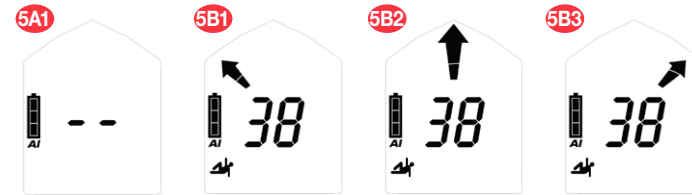
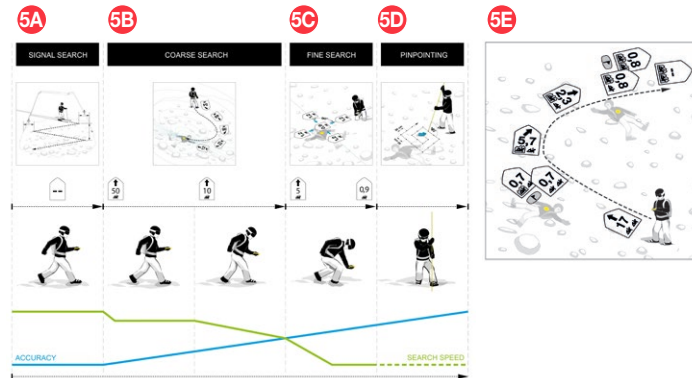


FIGURES

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



5. SEARCH MODE | MODE RECHERCHE | SUCHMODUS



BLACK DIAMOND GUIDE BT/RECON 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.blackdiamondequipment.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 Black Diamond Guide BT/Recon 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, smart watches, heated gloves, electronic airbags 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.

▲ **Keep instructions for future reference.**

THANK YOU FOR PURCHASING A BLACK DIAMOND GUIDE BT/RECON BT!

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

- a warranty extension!
- 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 Black Diamond Guide BT provides additional functionality for maximum support in professional use:

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

PACKAGING

- 1x Black Diamond Guide BT/Recon BT
- 3x Alkaline battery (in battery compartment)
- 1x Black Diamond Guide BT/Recon BT carrying system
- 1x Hand loop (Guide BT only)
- 1x Quick Start Guide
- 1x Black Diamond-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)

DEVICE FEATURES

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

DISPLAY FEATURES

- (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*

* Black Diamond Guide BT only

CARRYING SYSTEM

Black Diamond recommends using the included carrying system (3A). 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). The included hand-loop (3D) is intended for training purposes only.

SWITCHING ON | SELF-CHECK | SEND MODE

▲ **NOTICE!** Despite a comprehensive self-check, a beacon Mode Check (SEND check and SEARCH check) is obligatory prior to every tour! Every member of the group must verify that both the SEND and SEARCH modes are functioning correctly.

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

Auto-search-to-send, or 'Auto-revert' mode, provides an additional layer of protection against secondary avalanche scenarios. 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 movement (burial).

GROUP CHECK FEATURE

The Black Diamond Guide BT/Recon BT provides the option for a group check. This does not replace the standard Mode Check, but is a useful feature with larger groups. In group check mode the receiving range is limited to 1 m.

	Group check regular Black Diamond Guide BT/ Recon BT Check: frequency	Group check extended Black Diamond Guide BT only Check: frequency/pulse/period Enabled in Pieps app
Start	Press and hold the MARK button (1D) during the group check countdown (CH)	Press and hold the SCAN button (1E) during the group check countdown (CH)
Result	<ul style="list-style-type: none">• "Distance indication" = OK• "ER" = error (frequency not according to standard)	<ul style="list-style-type: none">• "OK" = OK• "ER" = error (one or more transmit parameters not according to standard)
End	Release button	

The Black Diamond Guide 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 Black Diamond Guide BT/Recon 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 is 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 is confirmed by a frame around the human figure (2J). The display then indicates the direction/distance to the next strongest signal inside the receiving range.

INTERFERENCE WARNINGS

All avalanche beacons are very sensitive to electrical and magnetic influence. Black Diamond beacons are designed to minimize interference, but it is the user's responsibility to follow some basic best practices:

- Avoid carrying unnecessary electronics.
- Maximize distance between the beacon and any sources of electronic, magnetic, and metallic interference (such as phones, smart watches, radios, heated garments, and electronic airbags).
- A minimum distance of 20 cm for a beacon in SEND mode, and 50 cm in SEARCH mode is recommended.
- When in SEND mode, carry the beacon on the front side of your body.
- When in SEARCH mode, maximize distance by holding the beacon in a partially outstretched arm in front of your body.
- Advanced planning should be considered to ensure that smart watches, heated gloves, and similar items that are likely to remain very close to a searching beacon are kept at least 50cm away.
- All device firmware should be kept current.

MORE HELPFUL BEACON FEATURES

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

Find details in the full online manual.

ADDITIONAL BLACK DIAMOND GUIDE 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 separate search for animals/equipment
 - **Inclinometer:** for easy gradient measurement
- Find details in the full online manual.

DEVICE MANAGEMENT WITH THE PIEPS APP

Bluetooth® and the PIEPS APP allow 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 Black Diamond Guide BT/Recon BT and take advantage of all features!

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

▲ DANGER! Risk of a non-transmitting device

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

▲ **Notice! The user is responsible for keeping their beacon firmware up to date. Black Diamond recommends checking for updates at the beginning of every season, and checking monthly when equipment is in regular use.**

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.









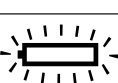

For battery disposal, follow the applicable regulations in your country.

▲ 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
Black Diamond Guide BT	400 h SEND	600 h SEND
Black Diamond Recon BT	200 h SEND	300 h SEND

	3/3 full	100% - 66% SEND	
	2/3 full	66% - 33% 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 Black Diamond Guide BT/Recon 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:	Black Diamond Guide BT/Recon BT
Transmission frequency:	457 kHz
Field strength:	max. 7 dBµA/m (2,23 µA/m) at a distance of 10 m
Bluetooth® transmission frequency:	2.402 – 2.480GHz
BlueTooth® transmit power:	0 dBm
Power supply:	3x Alkaline (AAA) LR03 1.5 V or 3x Lithium (AAA) FR03 1.5V
Battery life:	400/200 h (Alkaline) 600/300 h (Lithium)
Search strip width:	60 m
Dimensions (LxWxH):	118 x 76 x 29 mm
Weight:	230/220 g (incl. batteries)
Temperature range:	-20°C to +45°C (-4°F to +113°F)



CONFORMITY

EUROPE

Hereby, Black Diamond declares that the radio equipment type Black Diamond Guide BT/Recon BT is in compliance with Directive 2014/53/EU. The Declaration of Conformity for this product may be viewed at <http://blackdiamondequipment.com/DOC>.

UK

Black Diamond Equipment declares that the radio equipment type Black Diamond Guide BT/Recon BT is in compliance with Electromagnetic Compatibility Regulations 2016, Radio Equipment Regulations 2017, The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012, Electrical Equipment (Safety) Regulations 2016.

The full text of the EU and UK declarations of conformity is available at the following internet address: www.blackdiamondequipment.com/DOC.

USA/CANADA

Manufacturer: Black Diamond | Type/Model: Guide BT/Recon BT

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).