010203040506

WIRELESS ALERT BUTTON

SKU : ACCET1BABDV01

About Document

Scope

This document is applicable on Wireless alert button **SKU ACCET1BABDV01**, and mainly introduced product brief, electronic specifications, quick guidance, and function descriptions based on firmware V1.0.6 of Netradyne.
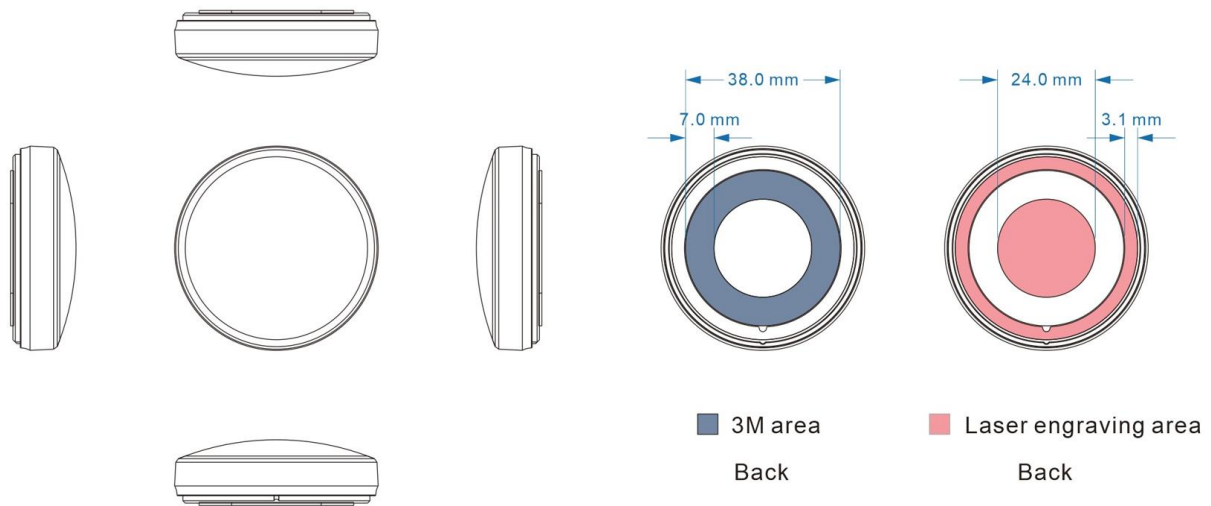
Revision History

Version	Date	Version History	Author
1.0	24 Jan 2024	Initial version	Jaganathan V P

Product Brief

Wireless Alert Button ACCET1BABDV01 is an IP65 fashionable designed Wireless alert button using BLE 4.2 which is ideal for enabling panic or emergency alerts by drivers during their drive. Button's form factor and design makes it easy to be placed near the Driver to access it for triggering alerts during the drive.

Dimensions

3M area — Back

Laser engraving area — Back

Specifications

Design	Parameter	Specification
Structure	Dimensions	Diameter 50mm Height 15.5 mm
	Weight	30g
	Material	PC
	IP Rating	IP65
	Operating Temperature	-20 deg C to +60 deg C
	Color	Black
Hardware	Chipset	Nordic nRF52810
	Maximum Tx Power	+4dBm (operating @ 0dBm)
	BLE version	BLE 4.2
	Button	Yes
	LED	Green & Red
	Range	Upto 150m
Installation	Mount type	Adhesive Tape
Battery	Capacity	550mAH
	Model	CR3032
	Replacement	Non-Replaceable
	Rechargeable	Non-Rechargeable

Power ON / OFF

Default state of the Wireless alert button when it is in packaged condition will be "POWER OFF"

For the first time usage, Wireless alert button needs to be Powered ON.

POWER ON – In order to POWER ON the wireless alert button, Long press the button for more than 3 seconds until continuous blinking of RED LED for 3 seconds. Button will take about 30 seconds to 60 seconds for booting up. To verify the complete boot up of the button, Press the button once and GREEN LED will blink twice.

POWER OFF – Once the button is in POWER ON condition, it cannot be Power OFF in its life time.

Functions

Wireless alert button provides multiple functionalities based on the trigger function that is used.

Trigger Mechanism	Visual Indication	Function
Single Press	2 Blinks of LED* @ 500ms interval	Alert trigger & Alert button device Info Broadcast
Double Press	2 Blinks of LED* @ 500ms interval	Alert trigger
Tripe Press	4 blinks of LED* @500 ms interval	NOT DEFINED (For Future use)
Long press (More than 3 seconds)	Continues LED* Glow until button is released	NOT DEFINED (for Future use)
Automatic / No trigger – Every 10 mins	No Visual indication	Alert button device Info broadcast

*Color of the LED depends on the battery backup available. Refer to section

Battery

Wireless alert button is loaded with a lithium coin cell CR3032 battery which can support the button functions for minimum of 3 years in its default usage.

When the battery is above the minimum threshold value all the visual alerts of the functionality will be indicated by the GREEN LED and when the battery is lower than the minimum threshold value all the visual alerts of the functionality will be indicated by the RED LED.

RED LED indications for the visual alerts denotes that the wireless alert button battery is going to exhaust soon.

FCC statements
 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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user 's authority to operate the equipment.
This equipment has been tested and found to comply with the limits for a 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 residential installation. This equipment generates, uses and can radiate radio 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 cause 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 or more 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.

RF Exposure Information (MPE)
This device has been tested and meets applicable limits for Radio Frequency (RF) exposure.
This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

IC statements
Industry Canada ICES-003Compliance: CAN ICES-3(B)/NMB-3(B)

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

RF Exposure Information (MPE)
This device has been tested and meets applicable limits for Radio Frequency (RF) exposure.
The device can be used in portable exposure condition without restriction.

This equipment should be installed and operated with minimum distance 20 cm between the radiator & your body.

- French:
L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique 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;
2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Informations d'exposition RF (MPE)
Cet appareil a été testé et répond aux limites applicables en matière d'exposition aux radiofréquences (RF).
L'appareil peut être utilisé sans restriction dans des conditions d'exposition portables.

Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps.

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