ACCESSVOX

TECHNICAL GUIDE

Accessvox is a sound beacon to guide visually impaired people.

SUMMARY

GENERAL CHARACTERISTICS

AccessVox is a sound beacon that transmits messages in order to guide users (lifeguard station, toilets, entrances and exits, beach accesses, etc)

DIMENSIONS / GENERAL INFORMATION:

Length:	140mm
Width:	125mm
Height:	70mm
Weight:	400g
Color:	Black or grey
Message reach:	25-30m
Sound volume:	from 60 to 80 decibels
Average time to replace a beacon:	15 minutes
Average time between failures:	400 000 h

KEY ADVANTAGES:

- Made in France
- Resistant to marine environment
- Lifetime: 15 years
- Broadcasts up to 16 messages in 4 languages with the software
- Compatibility with third-party applications thanks to its low energy equipment
- Supplied accessories: wall mount (standard fixing) – optional swivel mount

BEACON TECHNICAL CHARACTERISTICS

Power supply	100 – 240 Vac / 50-60 Hz
Electrical insulation	Class 2 material
Power consumption	4W
Operating temperature	From - 20°C to +70°C
Nonvolatile memory	Flash 32 Mo (expandable to 64 Mo)
Sealing	IP65 (tight cable gland)

Speaker	Impedance: 8 Ω - bandwidth: 200 Hz – 15000 Hz
Speaker audio broadcast	Mono “Wav.” 8bits/8KHz Mono “Mp3.” 128 Kbits/s
Audio broadcast to Actitam II	“.wav” 8bits/8KHz
Dimensions	140 x 125 x 70mm – ABS box (excluding cable gland)
Weight	400g
Trigger	Via standardized remote control (NFS 32 002) and compatible smartphone

RADIO

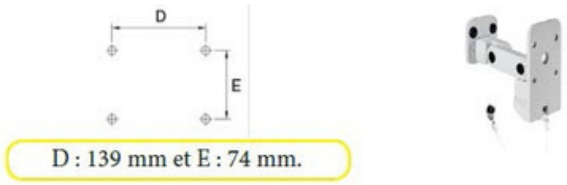
Standard radio reception	OOK - 90dBm - 868.3 MHz (NF S32 002 Standard)
Actitham V2 Radio not connected	868.3 MHz - GFSK Modulation - max 12dBm - 100 kbits/s
Actiblue V2 Radio not connected	869.85 MHz - GFSK Modulation - max 12dBm - 250 kbits/s
Bluetooth transmitter	2.1 and 4.0 bi-mode Bluetooth (classic and BLE)
Bluetooth reception	- 90dBm - 2402 to 2481 MHz depending on the canal
Bluetooth emission	2.5 mW (+4dBm) - 2402 to 2481 MHz depending on the canal

The visually impaired person can choose the sound beacon to trigger if tehre are several beacons nearby. The sound beacon is designed to resist to marine environment as the speakers were originally designed for boats.

PRODUCT ACCESSORIES

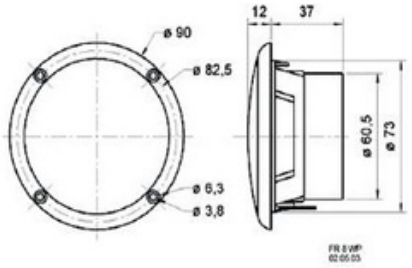
1. Wall fixing:

- Standard fixing (included)
- Swivel fixing (Option)



2. Speaker of the beacon:

- Built-in (included)
- Remote, 2m long cable (Option)
- Volume adjustment: Volume of the speaker can be adjusted by a, internal push button



CONDITIONS OF USE AND INSTALLATION

IAccessVox sound beacon is a great solution to **guide visually impaired people.** It facilitates the **reception and information of visually impaired people.**

It broadcasts important information such as location of toilets, lifeguard stations, entrances and exits and beach accesses. People must have a remote control to listen to the information broadcast by the sound beacon.

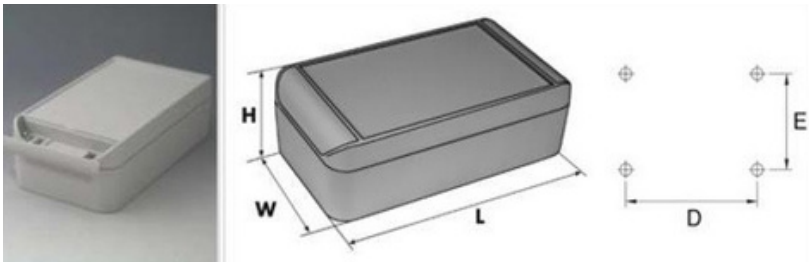
AccessVox can be activated with all types of NFS 32 002 remote controls. They are used by visually impaired people to activate the messages of warning lights in France. It can also be activated by a **smartphone with Bluetooth**. To configure the messages that you want to send, the sound beacon system must be equipped with a software to configure the messages that you want to broadcast.

WALL FIXING OF THE SOUND BEACON

Install the sound beacon with the cable gland downwards.

The sound beacon must be installed on top of the point of interest, with an height of 3m. It must be placed as far as possible from any metal structure in order to ease radio transmissions.

The beacon is designed from a waterproof IP 65 and resistant IK7 box with wall mounting which requires wall drilling.



DIMENSIONS OF THE WATERPROOF BOX

Length: 135 mm
Width: 130 mm
Height: 60 mm

When choosing the best place to install the sound beacon, you must think about the **propagation of radio waves.** Keep the beacon away from equipment that can interfere with radio frequency communication such as lighting ramps, neon lights, electrical power panels, etc.

Provide a free space between antennas and the area where the remote controls are used, avoiding proximity to any obstacle (concrete walls, metal structures, etc).

SOME EXAMPLES:

Material	Weakening	Examples
Air	None	Open space, courtyard
Wood	Low	Door, floor,
Plastic	Low	Partition
Glass	Low	Untinted glass
Tinted glass	Medium	Tinted glass

Material	Weakening	Examples
Water	Medium	Aquarium, fountain
Brick	Medium	Walls
Plaster	Medium	Partition
Céramique	High	Tiles
Concrete	High	Bearing walls, pillar floors

REQUIRED EQUIPMENT

- A structure
- Power supply: 100-240 Vac / 50-60Hz
- A computer and the software

COMMISSIONING OF THE SOUND BEACON

Use the software to configure messages.

MAINTENANCE

Parameters and message updates can be done by USB or wireless with Bluetooth or radio. The fault and event report can de downloaded via Bluetooth.

WARRANTY

Accessrec Europe offers a two (2) years warranty starting at the date of your Purchase Order. This warranty only covers manufacturing defects of the product. Alterations related to normal use are not considered as manufacturing defects. Damages caused by vandalism are not covered by the warranty.

The warranty does not cover:

- The normal use of AccessVox
- Improper care, operation, maintenance and storage of AccessVox
- An accident or natural disaster.
- Modifications that have been made to AccessVox without written consent of Accessrec Europe.
- Repairs that have been made without written consent of Accessrec Europe.
- Maintenance and transport costs that can be necessary if reparations are required.

If you are not satisfied by the intended conditions or reparations that have been made, please contact directly Accessrec Europe. Products may not be returned without consent from Accessrec Europe. The two (2) year limited warranty is applicable to the original purchaser only.