Storm Assistive Technology Products

Nav-Bar™

ADA compliant, tactile keypad for audible system navigation

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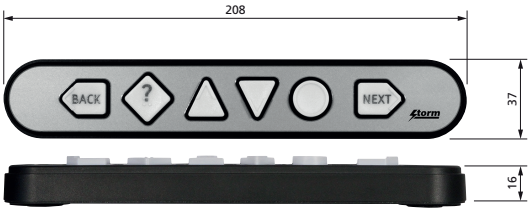
Storm Assistive Technology Products provide improved accessibility for those with impaired vision, restricted mobility or limited fine motor skills.

Kiosks, ATMs, ticketing machines and voting terminals usually present information about available products and services via a visual display or touch screen. Nav-Bar™ is a highly tactile interface that improves accessibility, making audio navigation and selection of screen based menus possible. An audio description of available menu options is transmitted to the user through a headset, handset or cochlea implant. When the desired menu page or menu option is located it can be selected by the press of a distinctive tactile button. Successful implementation of the Nav-Bar™ requires a compliant host application featuring synthesized or recorded human voice audio-tags.



All dimensions in mm

Performance

Vibration & Shock:	**ETSI 6M3**
Impact Resistance:	**IK09 (10J Rating) (when correctly installed to a panel top surface)**
Sealing:	**IP65 (when correctly installed to a panel top surface)**
Operational Key Life:	**>4 million cycles per key**
Certification:	**CE / FCC / UL**

Environmental

Operational temperature:	**-20°C to +70°C (dry)**
Weather Resistance:	**IP65 (when panel mounted)**

Specification

Rating:	**5V +/- 0.25V (USB 2.0)**
Connection:	**Mini USB B Socket**
Audio:	**3.5mm Audio Jack Socket (Illuminated)**
Ground:	**150mm ESD ground wire fitted**
USB Cable	**Not included**
Interconnect Cable	**0.75m cable (Nav-Bar to Audio-Module) included with Audio-Module**

Nav-Bar™ was developed in association with the Trace Research & Development Center with support from the University of Wisconsin. Nav-Bar™ is a compliant tactile interface device for use as part of an ADA audible menu navigation system or EZ-Access® implementation.

- Space efficient horizontal format for use with contemporary touch-screen kiosks.
- Easy to navigate and makes audio references to a key's position and function easier to understand. For example: The circular shaped 'select' key is the second key from the right.
- Internal colour coded illumination makes location of individual keys much easier for those with partial vision.
- The keytop's distinctive shape and tactile symbols provide the primary means of identifying a key's specific function.
- The intensity of keytop illumination can be adjusted or turned off when not in use.
- Each keytop is illuminated by a dedicated LED light source. Each LED is independently controllable.
- By use of the Nav-Bar™ utility software, default illumination status and 'wake-up' behaviour can be selected. USB key-press codes can also be changed.
- Optional Audio-Module includes sound volume controls and an illuminated jack plug socket for headset connection. (Audio-Module supplied separately).
- The Audio-Module can be positioned separately from the Nav-Bar™ to optimize system ergonomics.
- Nav-Bar™ is connected to the Audio-Module via a ribbon cable (supplied).
- Nav-Bar™ is connected to the host system via a single USB cable (supplied separately).

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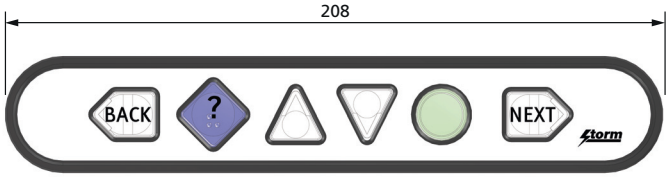
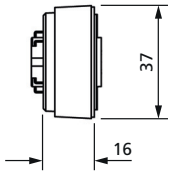
Nav-Bar™

Nav-Bar™ Dimensional Details

Top View

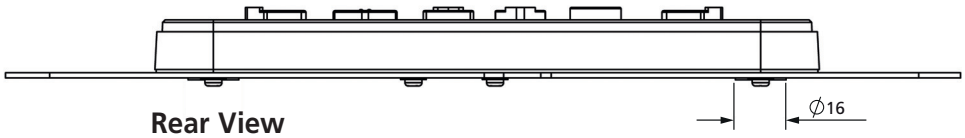


End View

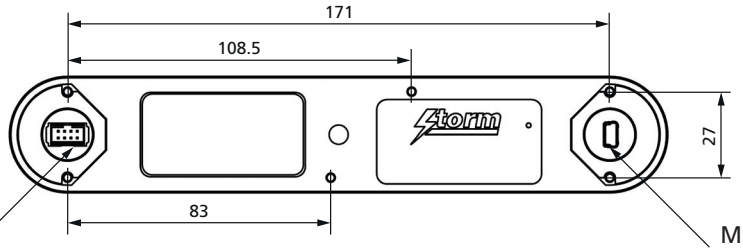


Side View (shown with 2mm thick panel)

Fix with Qty 6,
M3 x 8 panhead screws



Rear View

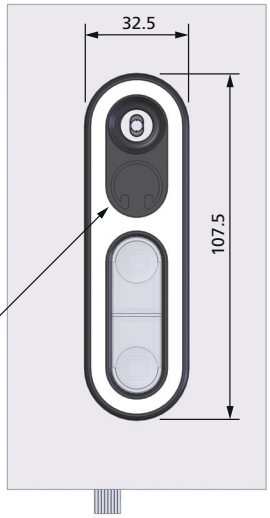


Socket for 750mm Link Cable
(ferrite is located at Nav-Bar™
end of cable)

Mini-B USB socket
for connection to host

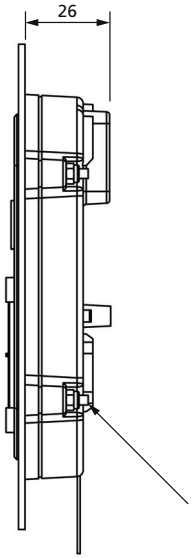
Audio-Module Dimensional Details

Top View



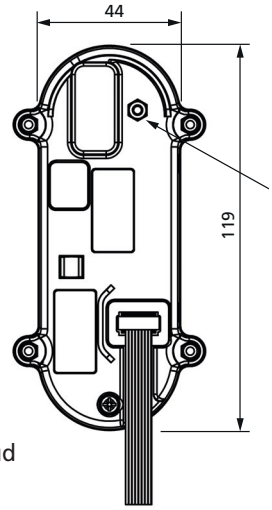
Note that the raised
headphone symbol
will be rotated
90° clockwise for
horizontal version

Side View



M3 x 20
weld stud
4 places

Rear View



M3 thread
ASD ground
to case
(150mm
ground
wire not
shown)

Part Numbers

Nav-Bar™	**EZB6-43000**
Audio-Module for Nav-Bar™ & Interconnect Cable (Vertical installation)	**EZB2-40500**
Audio-Module for Nav-Bar™ & Interconnect Cable (Horizontal installation)	**EZB2-405H0**
Spare Interconnect Cable 0.75m	**EZB2-01**
USB Cable Mini-B to Type A 0.95m (not included)	**4500-01**

Whilst every effort is made to ensure details are correct at time of print, specifications are subject to change without notice.

For more information & to order:

www.storm-interface.com

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Nav-Bar Dec 2016

Designed & produced by **NIK Design Ltd**
www.nikdesign.co.uk

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