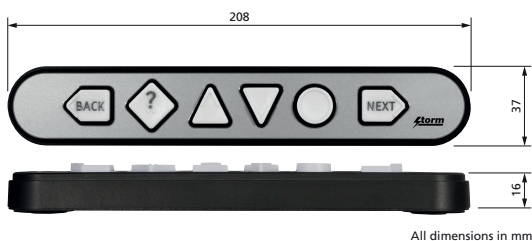


## ADA compliant, tactile keypad for audible system navigation



**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.



### Performance

Vibration & Shock:  
Impact Resistance:

ETSI 6M3  
IK09 (10J Rating)  
(when correctly installed to a panel top surface)  
IP65 (when correctly installed to a panel top surface)  
>4 million cycles per key  
CE / FCC / UL

Sealing:

Operational Key Life:  
Certification:

### 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.

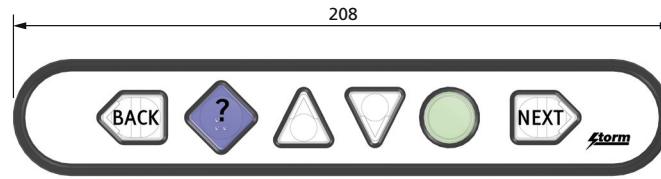
- Space efficient horizontal format for use with contemporary touch-screen kiosks.
- Easy to navigate and makes audio references to a key's position and function easier to understand. For example: The circular shaped 'select' key is the second key from the right.
- Internal colour coded illumination 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).

Storm, Storm ATP, Storm Interface, Nav-Bar and Audio-Module are trademarks of Keymat Technology Ltd. All rights reserved, EZ Access® is a trademark of the Wisconsin Alumni Research Foundation.

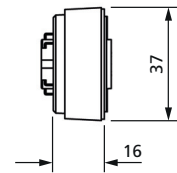


## Nav-Bar™ Dimensional Details

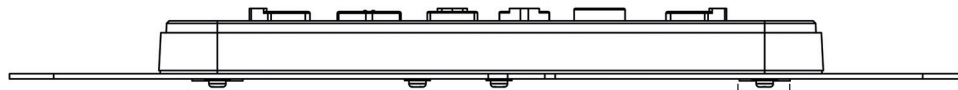
Top View



End View

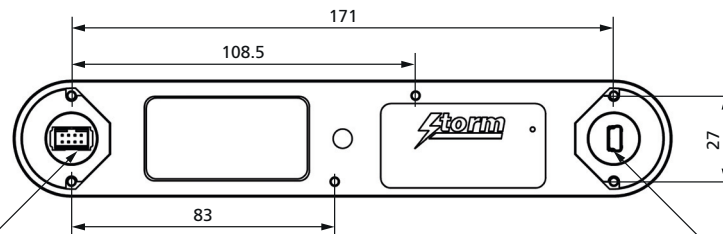


Side View (shown with 2mm thick panel)



Fix with Qty 6,  
M3 x 8 panhead screws

Rear View

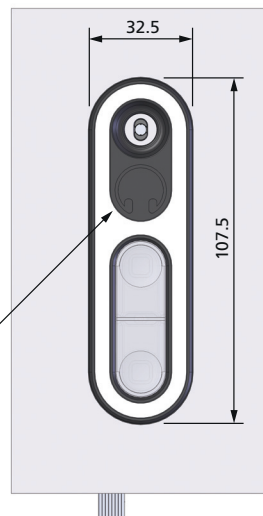


Socket for 750mm Link Cable  
(ferrite is located at Nav-Bar™  
end of cable)

Mini-B USB socket  
for connection to host

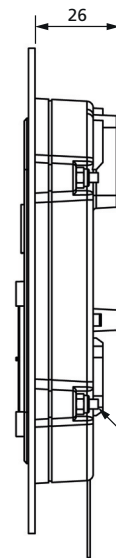
## Audio-Module Dimensional Details

Top View

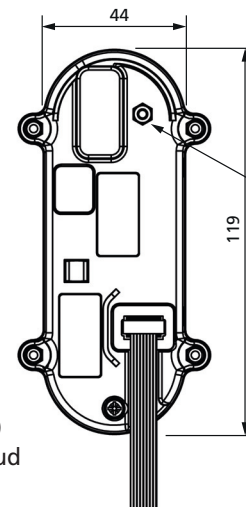


Note that the raised  
headphone symbol  
will be rotated  
90° clockwise for  
horizontal version

Side View



Rear View



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

M3 x 20  
weld stud  
4 places

## 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](http://www.storm-interface.com)**

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Nav-Bar Dec 2016

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