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Product Features

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

Self-service terminals usually present information about available products or services via an electronic display or touch screen. Presentation of information in this exclusively visual format discriminates against those who are unable to see, read or interact with a touch screen.

R N I B

**Tried and
Tested**

NavBar SF™ is a highly tactile interface that makes audible navigation and selection of screen based content possible. NavBar SF is designed for use with the Storm AudioComm Module (supplied separately) which enables audible content to be communicated to the user through a personal headset or cochlea implant. Audible content can be navigated and selections made by pressing the NavBar SF's distinctively shaped tactile keys.

The specific keypad detailed in this document is a smaller footprint (SF) version of other keypads included in the wider NavBar range. NavBar SF is easier for those with limited dexterity to operate and presents an aesthetically less obtrusive installation. NavBar SF is designed for under-panel installation.

Successful implementation of the NavBar SF™ requires compliant customer interface software featuring synthesized or recorded audible voice content.

NavBar SF™ is an RNIB accredited "Tried and Tested" tactile interface device, for use as part of an ADA compliant audible content navigation system.

By use of the NavBar™ utility software, default illumination status and 'wake-up' behaviour can be selected. The USB codes can also be changed. Connection to the host is via a single USB cable.

NavBar

- Keypad has illuminated keys with tactile identifiers.
- Reverse printed silver or black colour front label.
- Designed for under panel installation to a 1.2mm - 2mm panel only.
- Mini USB socket for connection to host computer.

USB Interface

- HID keyboard
- Supports standard modifiers, i.e. Ctrl, Shift, Alt
- No special drivers required

Support

- Windows Utility for changing the USB Code Tables
- API for custom integration
- Remote Firmware update support

Product Range

EZBM-42002



Storm ATP NavBar SF™
Silver with White Keys,
Under panel Install

EZBM-52002



Storm ATP NavBar SF™
Black with White Keys,
Under panel Install

Product Range: Part Numbers

| Stock Code | Description |
|------------|---|
| EZBM-42002 | Storm ATP NavBar SF™, Silver with White Keys, Under panel |
| EZBM-52002 | Storm ATP NavBar SF™, Black with White Keys, Under panel |

Accessories / Cables

| Stock Code | Description |
|------------|----------------------------------|
| 4500-01 | USB CABLE MINI-B TO TYPE A, 0.9m |





Specifications

| | |
|------------|--------------------------------------|
| Rating | 5V ±0.25V (USB 2.0), 80mA max |
| Connection | mini USB B socket |
| USB Cable | Not Included |

Dimensions (mm)

Packed 193 W x 73 H x 40 D 152 g

Mechanical

| | |
|------------------|---------------------------------------|
| Operational Life | 4 million cycles (min) per key |
|------------------|---------------------------------------|

Performance/Regulatory

| | |
|---------------------|-----------------------------|
| Operational Temp | 20°C to +70°C |
| Impact Rating | 1K09 (10J) |
| Vibration & Shock | ETSI 5M3 |
| Water / Dust sealed | IP65 |
| Certification | CE / FCC / UL / RNIB |

Connectivity

This is a USB HID keyboard device and no additional drivers are required.

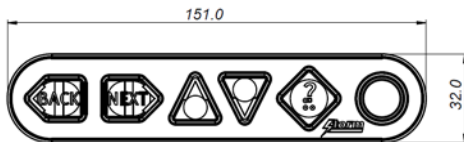
PC based software utility and API are available to set/control: -

- Illumination level
- Customise the USB codes

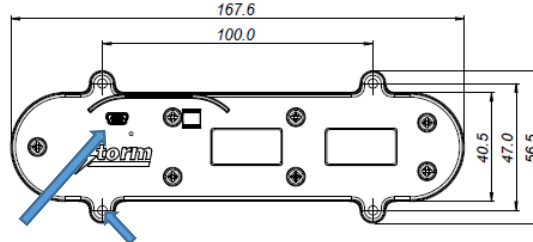
Installation

The NavBar SF™ is for under panel installation (panel thickness of 1.2mm - 2mm only.) .

Front View (installed) with dimensions



Back View with dimensions



USB Mini-B Socket

Fixing positions x 4

USB Device Information

USB HID

The USB interface is USB HID keyboard.

Code Tables

The factory defaults are shown below. You can use the Windows utility to assign any HID USB code

| Function | HID USB Code | Hex | LED Illumination |
|----------|--------------|------|------------------|
| Back | F21 | 0x70 | White |
| Next | F22 | 0x72 | White |
| Up | F18 | 0x6D | White |
| Down | F19 | 0x6E | White |
| Help | F17 | 0x6C | Blue |
| Select | F20 | 0x6F | Green |

Windows Utility**System Requirements**

The utility requires .NET framework to be installed on the PC and will communicate over the same USB connection but via the HID-HID data pipe channel, no special drivers are required.

Compatibility

Windows 11 ✓
Windows 10 ✓

The utility can be used to configure the product for:

- LED brightness (0 to 9) 0 – off and 9 – full brightness.
- Load customised NavBar™ table.
- Write default values from volatile memory to flash.
- Reset to factory default.
- Load Firmware.

Change History

| Technical Manual | <u>Date</u> | <u>Version</u> | <u>Details</u> |
|------------------|-------------|----------------|--|
| | 21 Jan 20 | 1.0 | First Release |
| | 01 Apr 20 | 1.0 | Product name changed from Nav-Bar SF to NavBar SF. |
| | 01 Sep 20 | 1.1 | Updated layout |
| | 15 Aug 24 | 1.2 | Split out Config Utility into separate document |
| Product Firmware | <u>Date</u> | <u>Version</u> | <u>Details</u> |
| | 21 Jan 20 | NBM v1.0 | First Release |