Manuals+ — User Manuals Simplified.

Storm Interface Nav Bar SF Keys Under Panel Mount Instruction Manual

Contents

Storm Interface Nav Bar SF Keys Under Panel Mount

Product Information

- Product Name: NavBar SF
- Manufacturer: Keymat Technology Ltd
- Interface: USB
- Compatibility: Windows
- Keypad Features: Illuminated keys with tactile identifiers
- Installation: Under-panel installation to a 1.2mm – 2mm panel

Operation

1. Use the tactile keys on the NavBar SF to navigate and select screen-based content.
2. The illuminated keys with tactile identifiers help in easy identification.
3. Make sure to use compliant customer interface software with audible voice content for full functionality.

Configuration

1. Use the NavBar utility software to change default illumination status and USB codes.
2. No special drivers are required as the device operates as an HID keyboard.

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

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
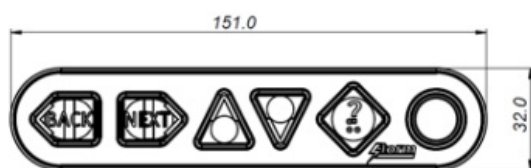- Certification CE / FCC / UL / RNIB

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
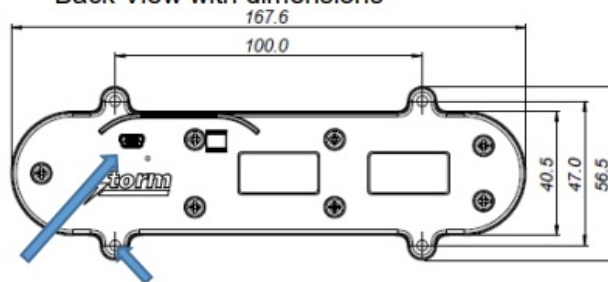- Customise the USB codes

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	Date	Version	Details
	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	Date	Version	Details
	21 Jan 20	NBM v1.0	First Release

www.storm-interface.com

FAQ

Q: Can the NavBar SF be used with any operating system?

A: The NavBar SF is designed for use with Windows operating systems.

Q: How do I update the firmware of the NavBar SF?

A: Remote firmware updates are supported. Please refer to the user manual for detailed instructions on firmware updates.

Q: What is the purpose of the Storm Assistive Technology Products?

A: The Storm Assistive Technology Products aim to provide improved accessibility for individuals with impaired vision, restricted mobility, or limited dexterity.

Documents / Resources

Storm Interface Nav Bar SF Keys Under Panel Mount [pdf] Instruction Manual
Nav Bar SF Keys Under Panel Mount, SF Keys Under Panel Mount, Under Panel Mount, Panel Mount

References

- **Home | Storm Interface | Interface Specialists**
- **User Manual**