AudioNav EF Keypad

AudioNav EF is an assistive USB device enabling software navigation by means of audio direction.

Users with impaired vision, reading difficulties or impaired fine motor skills can navigate through menus or directories that would typically be presented on a visual display or touch screen. Screen content is described by recorded or synthesized language via a headset or handset. Menu pages and available options can then be navigated and selected using this responsive and highly tactile keypad device.

The EF product designation refers to Extended Functionality denoting that this device includes provision for adjustment of both sound volume and speed of audio playback. For applications requiring voice reception the device also supports the use of headsets and handsets with integrated microphones.

AudioNav EF is intended for use as the tactile/audio interface for any ADA or EN301-549 compliant application such as ATMs, kiosks, ticketing machines, vending machines etc.

Available with Touchless-CX technology enabling kiosk users to easily navigate kiosk content using their personal smartphone or tablet device. Without having to physically touch the kiosk screen.

- Enumerates as a combination HID keyboard/Advanced Audio device.

- Highly visible with integrated illumination for those with 'low vision'.

- Highly tactile for ease of use by those with impaired vision or limited reading ability.

- 3.5mm Audio jack socket with integrated microphone support, illuminated for ease of location.

- Integrated sound volume and audio playback speed control.

- Designed for fixed, under-panel, installation in host equipment.

- Connection to host via a single USB cable (supplied separately).

- Robust, water resistant construction, for use in exposed or semi-supervised applications.

- Compliant with current accessibility mandates.

AudioNav EF Keypad	Part Numbers
AudioNav EF, 9 Key, USB Audio (vertical installation)	1409-34011
AudioNav EF, 9 Key, USB Audio (horizontal installation)	1409-34013
AudioNav EF, 9 Key, USB Audio & TCX (vertical installation)	1409-35011
AudioNav EF, 9 Key, USB Audio & TCX (horizontal installation)	1409-35013
USB 2.0 Cable, 90cm long, angled mini-B male connector to Type A male connector	4500-01

Storm Interface products are developed primarily for use with current and supported Microsoft Windows® platforms. For use with a non-Windows® platform, please contact Storm Interface for advice. Compatibility with non-Windows® platforms or operating systems cannot be guaranteed. This product is licensed under NCR's design rights, including NCR U.S. Design Patent D687,783 and European Design Registration 001887290. It incorporates proprietary technology and intellectual property retained by Keymat Technology Ltd. (trading as Storm Interface).

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

TRAVEL
ATM
HOSPITALITY
RETAIL
CORPORATE
CIVIC
INDUSTRIAL

Performance

Vibration & Shock:	ETSI 5M3
Impact Resistance:	IK09 (10J rating)
Certification:	CE / FCC / UL
EMC:	EN55032 Class B (Emissions)
EN55035 (Immunity)	
FCC:	CFR47:2008 (Part 15 Sub Part B)
ESD Immunity:	15kV Contact and Air
EN 301 549 / ADA:	Compliant

Environmental

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

Specification

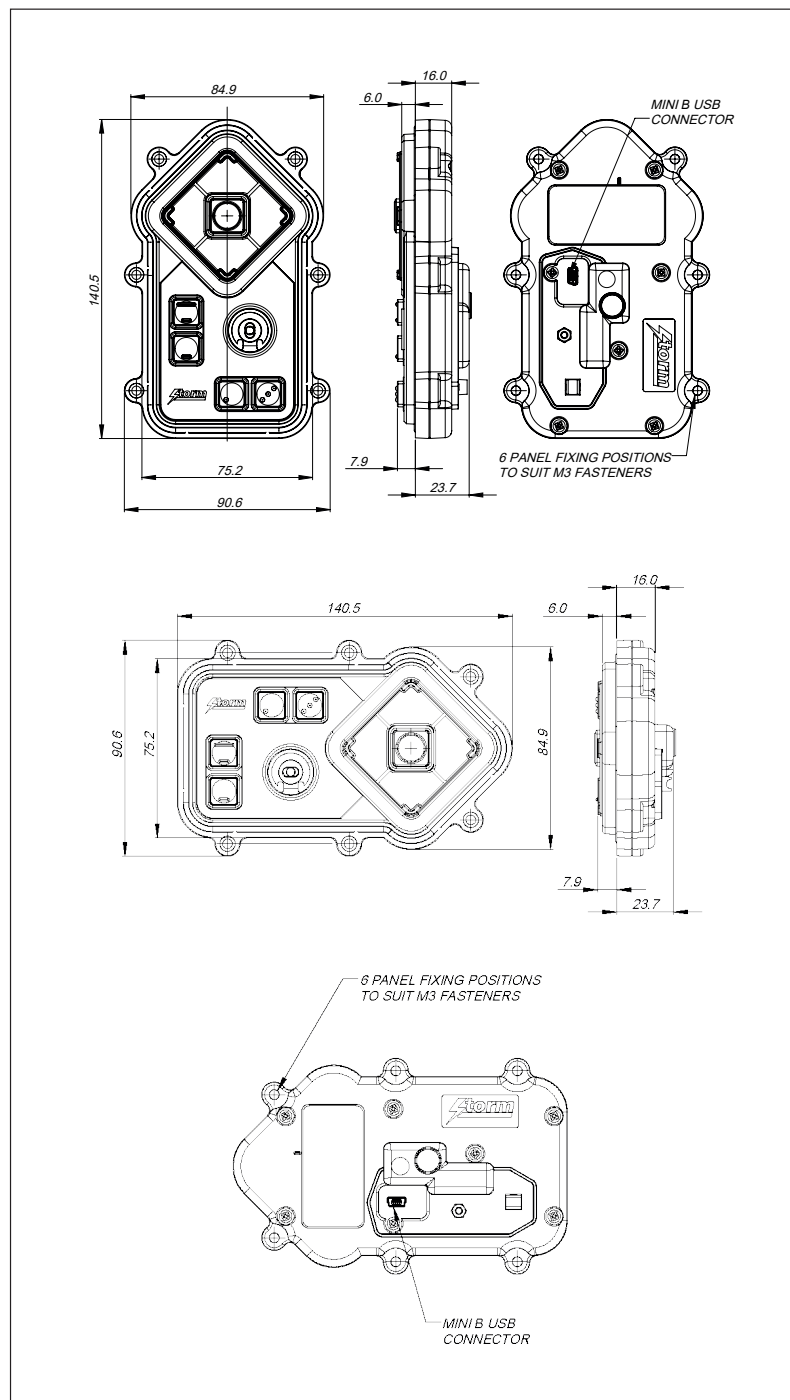|	
O/S Compatibility:	Windows 10 / Windows 8 / Windows 7
Rating	5V ± 0.25V (USB 2.0)
Connection:	Mini USB B Socket
Audio:	3.5mm Audio Jack Socket (Illuminated)
Underpanel depth:	28mm

For more information & to order visit:

www.storm-interface.com

ATP 1400EF Nov 2019

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

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All dimensions are in mm. Dimensions are the same for both the horizontally and vertically configured versions of AudioNav EF.

84.9
16.0
6.0
MINI B USB CONNECTOR
140.5
75.2
90.6
7.9
23.7
6 PANEL FIXING POSITIONS TO SUIT M3 FASTENERS

140.5
16.0
6.0
90.6
75.2
84.9
7.9
23.7

6 PANEL FIXING POSITIONS TO SUIT M3 FASTENERS
MINI B USB CONNECTOR

The AudioNav EF is designed for underpanel installation. Both vertical and horizontal versions are available.

When connected to a PC, the keypad is detected by the operating system and enumerates as a combination HID/Advanced Audio device without the requirement for any additional drivers.

Speech volume is controlled within Windows Multimedia in response to key presses. The speech rate control is as set and controlled by the host application in response to key presses.

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

• Audio output volume is controlled by Windows Multimedia in response to key presses on the AudioNav device. The speed of audio program playback is controlled by the host application in response to key presses on the AudioNav device.

• Code tables (USB keycodes can be modified to suit your application)

• A software utility (running on PC) and API are available to configure and control:-

    - Integral illumination of the AudioNavEF device. (By default all LEDs illuminate when an audio jack-plug is connected).

    - Pre-set key press codes. (USB /Hex codes can be modified to suit specific applications).

KEY PRESS FUNCTIONALITY		OUTPUT CODES	
Function		Hex	USB Description
Right		0x4F	Right Arrow
Left		0x50	Left Arrow
Down		0x51	Down Arrow
Up		0x52	Up Arrow
Select		0x28	Enter
Jack IN		0x6A	F15
Jack OUT		0x6B	F16
Increase Volume		01 02	Windows Multimedia Codes
Decrease Volume		01 04	
Increase Playback Speed		0x72	F23
Reduce Playback Speed		0x73	F24

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