

# Owner's Manual

## Havis Rugged USB Keyboards

KB-104



KB-105



## Before Beginning

Havis is pleased to provide this Owner's Manual to aid in the proper installation and use of the KB-104/KB-105 Rugged USB Keyboard.

For questions regarding the set-up of your KB-104/KB-105 Rugged USB Keyboard, please contact Havis at 1-800-524-9900 or visit [www.havis.com](http://www.havis.com) for additional product support and information.

This Owner's Manual applies to the following Part Numbers: KB-104, KB-105

### **⚠ WARNING**

- NEVER STOW OR MOUNT THE RUGGED KEYBOARD DIRECTLY IN A VEHICLE AIRBAG DEPLOYMENT ZONE.
- DO NOT USE RUGGED KEYBOARD WHILE DRIVING.

### **⚠ CAUTION**

- READ ALL INSTRUCTIONS THOROUGHLY BEFORE BEGINNING INSTALLATION.

### **NOTICE**

- RECOMMENDED TO SET THE CONNECTED COMPUTER'S POWER OPTIONS TO "NEVER" SLEEP.
- RECOMMENDED TO SET THE CONNECTED COMPUTER'S BIOS TO "ENABLE USB WAKE SUPPORT".
  - Push 'F2' key during the computer's boot sequence
  - Select *SETTINGS*
  - Select *POWER MANAGEMENT*
  - Select *USB WAKE SUPPORT*
  - Check the box for *ENABLE USB WAKE SUPPORT*
  - Left Click: *APPLY*
  - Left Click: *EXIT*

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# Precautions

- Do not place metal objects or containers of liquid on top of the Rugged Keyboard
- Do not leave the Rugged Keyboard in a high temperature environment (greater than 85°C, 185°F) for a long period of time

# Specifications

<b>Working Voltage</b>	Standard USB (+5V DC ± 10%)
<b>Dimensions</b>	11.95" ( 30.35 cm ) W x 7.80" ( 19.81 cm ) D x 1.48" ( 3.76 cm ) H
<b>Weight</b>	2.0 lbs. (0.91 kg)
<b>Operating Environment</b>	-20° C to 70° C (-4° F to 158° F) – 100% Humidity
<b>Storage Environment</b>	-40° C to 90° C (-40° F to 194° F) – 100% Humidity

# Compatibility

- **MAC OS, WINDOWS OS, ANDROID OS**
- **COMMUNICATION INTERFACE: USB 1.1 OR 2.0**

# Parts Included

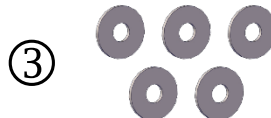
## Hardware Kit (*HWK-0049*)

This Hardware Kit includes:

1. M4 x 0.7 x 10mm long Pan Head Screws (5)
2. Split Lock Washers (5)
3. Washers, M4 (5)

Tools required for installation:

- #2 Phillips (For M4 Pan Head Screws)



# Parts Included (continued)

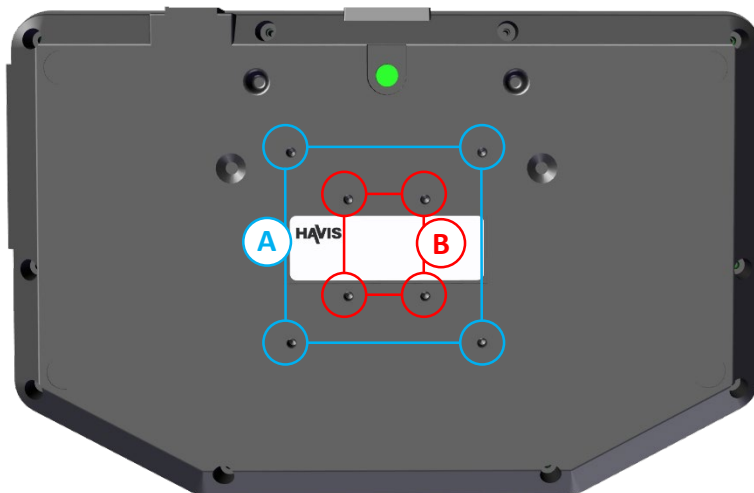
## Rugged Keyboard (KB-104 shown)



## Mounting Holes (bottom of Keyboard)

**A** VESA 75 mounting pattern

**B** AMPS mounting pattern



# Installation

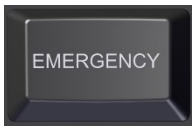
- 1) Remove Rugged Keyboard from the packaging. Havis recommends using our Keyboard Mount (Part # C-KBM-201 - sold separately). These two products are designed to interlock together and give the user docking, adjustment, and quick release abilities. However, the Rugged Keyboard can be mounted to any appropriate surface that has VESA 75 or AMPS mounting hole pattern.
- 2) If not using the Havis Keyboard Mount, determine if your mounting location is equipped with VESA 75 or AMPS mounting pattern. Install the Rugged Keyboard to your mounting device using (4) M4 x 0.7mm screws (Hardware Kit Item #1). NOTE: Length of screw is dependent upon your specific mounting application. Torque screws to 20 in-lbs (2.3Nm)  $\pm$  10%.
- 3) Insert the USB connector into a compatible USB port on the computer or docking station in your vehicle.
- 4) Turn the computer on. Computer will detect and install drivers once the keyboard initiates. Drivers are standard plug and play.

## Operation



### Backlight:

- Backlight Adjustment Button:  
*Cycles keyboard illumination intensity levels between OFF and maximum brightness*



### Emergency:

- 'Emergency' Button:  
*Sends a 'SHIFT' + 'F1' key sequence to the connected computer*



### USB Indicator Lights:

- Both USB Caution lights will illuminate when either of the following occurs:
  - *There is an error with the connected USB device*
  - *The connected USB device is drawing current above 500mA*

## Operation *(continued)*



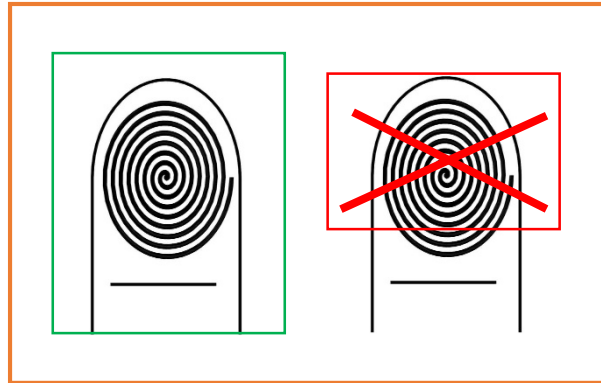
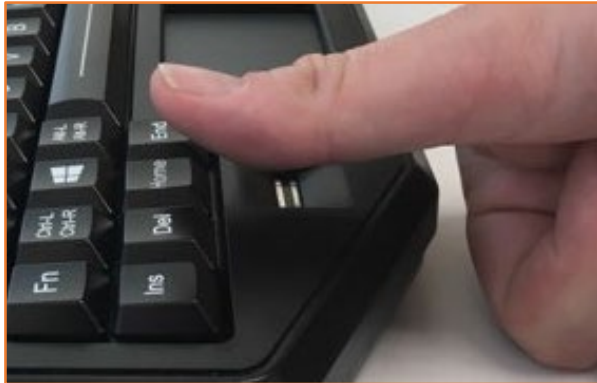
### Fingerprint Reader (*KB-104 only*):

- Your computer or tablet must have fingerprint reader software pre-installed. The Fingerprint Reader will not operate without software capable of reading your fingerprint.
- Follow your device software's instructions for initial registration of your fingerprint and for general operation details.
- Unique operations with the Fingerprint Reader will depend on your biometrics/fingerprint reader software.

### Scanning your Fingerprint:

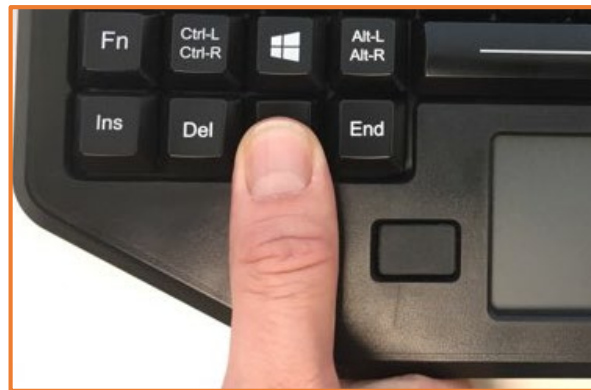
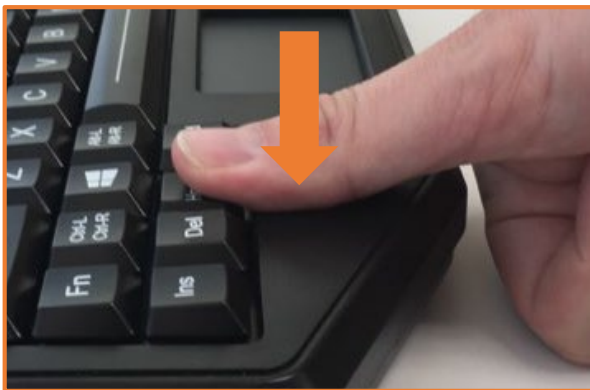
#### 1. Begin with your chosen fingerprint positioned above the Fingerprint Reader (close to or hovering above the home button).

- a) To get a complete scan of your fingerprint, start the scan with the base of the fingerprint above the reader and close to the home button to allow more of the print to be successfully scanned.



#### 2. Press your finger down onto the keyboard surface.

- b) It is okay to press down on the home key while attempting the swipe. You want the Fingerprint Reader to get a complete scan of your entire fingerprint.



## Operation *(continued)*

### Scanning your Fingerprint *(continued)*:

3. With your finger pressed onto the keyboard surface, swipe from top to bottom across the reader. Try to keep the finger flat to get a better scan of the fingerprint.



For best results, keep hands and Fingerprint Reader free from dirt and grease during operation.

If the Fingerprint Reader becomes dirty or cloudy, wipe gently with a soft, lint-free cloth. Do not use water or corrosive cleaning solvents.

Certain skin conditions and environmental conditions can cause poor fingerprint scans. Damp, extremely dry, and/or scarred skin can impact scanning operations. If your finger is damp or wet, dry it before use. If your finger is extremely dry, you can use a moisturizing lotion before use.

It is best to register more than one fingerprint, or keep a back-up password or pin in case you cut or injure your finger.

## Cleaning

The Havis Rugged Keyboard can be cleaned with a soft cloth.

### NOTICE

- USE A SOFT CLOTH OR SPONGE TO CLEAN.
- DO NOT USE A STIFF BRUSH. NO INTENSE SCRUBBING.
- DO NOT USE CORROSIVE CLEANING SOLVENTS.

## Related Products

Havis offers a wide variety of accessory products specifically for use with our Rugged USB Keyboards. For more information or to order, please visit [www.havis.com](http://www.havis.com).



### **C-KBM-201** **Keyboard Mount**

Quickly dock and undock your Havis Rugged Keyboard with this equally rugged mount. No tools or hardware required.



### **C-MD-204** **Low Profile Tilt Swivel Motion Device**

Easy-adjust and quick-release handle locks down the desired position and allows for easier operation of your equipment.



### **CM006331** **Steel "L" Bracket with Heavy-Duty Articulation**

Mounts independently to the side of your console for simple positioning of your equipment.



### **MH-3001** **Universal Forklift Keyboard Mount**

No drilling universal mount clamps securely underneath forklift seat rail.