Owner’s Manual
Havis Touch Screen Display

TSD-101
Before Beginning

Havis is pleased to provide this Owner’s Manual to aid in the proper installation and use of the TSD-101 Touch Screen Display.  
For questions regarding the set-up of your TSD-101 Touch Screen Display, please contact Havis at 1-800-524-9900 or visit www.havis.com for additional product support and information.

This Owner’s Manual applies to the following Part Numbers:
TSD-101

**WARNING**

- NEVER STOW OR MOUNT THE TOUCH SCREEN DISPLAY DIRECTLY IN A VEHICLE AIRBAG DEPLOYMENT ZONE.
- DO NOT USE TOUCH SCREEN DISPLAY WHILE DRIVING.

**CAUTION**

- READ ALL INSTRUCTIONS THOROUGHLY BEFORE BEGINNING INSTALLATION.
- TOUCH SCREEN DISPLAY MUST BE CONNECTED TO VEHICLE POWER THROUGH SUPPLIED LIND POWER SUPPLY WITH CABLES PROVIDED.
- DO NOT OPERATE TOUCH SCREEN DISPLAY WITH SHARP OBJECTS OR DAMAGE TO DISPLAY MAY OCCUR.
- ONLY CLEAN TOUCH SCREEN DISPLAY WITH NON-ABRASIVE/NON-HARSH CLOTHS/CLEANING SOLUTIONS OR DAMAGE TO DISPLAY MAY OCCUR.

**NOTICE**

- REFER TO SUPPLIED LIND POWER SUPPLY REFERENCE GUIDE FOR SPECIFIC INSTALLATION AND OPERATION OF POWER SUPPLY.
Precautions

- Do not place metal objects or containers of liquid on top of the Touch Screen Display.
- If a malfunction occurs, immediately unplug the Power Supply and remove the laptop.
- Use only the supplied Power Supply with this Docking Station.
- Do not store the Touch Screen Display where water, moisture, steam, dust, etc. are present.
- Do not connect cables into ports other than what they are specified for.
- Do not leave the Touch Screen Display in a high temperature environment (greater than 85°C, 185°F) for an extended period of time.

Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Supply Input</td>
<td>12V DC-In</td>
</tr>
<tr>
<td>Dimensions</td>
<td>8.5” (21.6 cm) H x 11.7” (29.7 cm) W x 1.4” (3.5 cm) D</td>
</tr>
<tr>
<td>Weight</td>
<td>2.2 lbs (1.0 kg)</td>
</tr>
<tr>
<td>Operating Environment</td>
<td>-21° C to 60° C (-6° F to 140°F)</td>
</tr>
<tr>
<td>Storage Environment</td>
<td>-40° C to 85° C (-40° F to 185°F)</td>
</tr>
</tbody>
</table>

EC DECLARATION OF CONFORMITY in accordance with EN 50498

Manufacturer’s Name: Havis, Inc.
Manufacturer’s Address: 47099 File Mile Road, Plymouth Twp, MI 48170 USA

Declares under our sole responsibility that the product:

Product name: Havis Touch Screen Display
Model: TSD-10X, where ‘X’ may be any alphanumeric character and which describes product options. May be followed by any alphanumeric characters which describe product options.
Product Options: This declaration covers all options of the above product which bear the CE Marking.

Is in conformity with the following standards or other normative documents:

- Directive 2011/65/EU: Restriction of the use of certain hazardous substances (RoHS)

Supplementary Information:
The product herewith complies with the requirements of the Automotive EMC Directive 2004/108/EC, Annex I, 6.5, 6.6, 6.8, and 6.9. This product requires the use of a recommended e-Marked automotive power supply when used within vehicles.

Plymouth Twp, MI, USA January 29, 2016 Bruce Jonik, Director of Engineering, Havis, Inc.

FCC 47 CFR, Part 15 compliance: This is an FCC Class B device. Any changes or modifications to the model TSD-10X not expressly approved by Havis, Inc. could void the user’s authority to operate this equipment.
Parts Included

11.6” LCD Screen

- Power Button
- Volume Control (- and +)
- Brightness Control (- and +)
- Power Indicator
- 2-Point Multi-Touch Capacitive Screen
- Speaker (left)
- VESA 75 Mounting (4x M4 thread)
- Strain Relief Anchor Points
Parts Included (continued)

Cables

USB 2.0, 2m. Long (male - female) for Optional Keyboard

USB 2.0, 20ft. Long (male - male) to Vehicle Docking Station

HDMI, 20ft. Long (male - male) to Vehicle Docking Station

NOTICE
EXTENDING THE 20 FOOT USB CABLE IS NOT RECOMMENDED UNLESS AN ACTIVE (INDEPENDENTLY POWERED) REPEATER IS USED.

Display Hardware

This Hardware Kit includes:
1. Zip Ties (8)
2. M4 x 0.7 x 10mm long Pan Head Screws (5)
3. Split Lock Washers, M4 (5)
4. Washers, M4 (5)

Tools required for installation:
• #2 Phillips
  (For M4 Pan Head Screws)

Power Supply, Cables, & Mounting Hardware (LPS-168)

Power Supply Hardware includes:
1. Zip Ties (2)
2. #10-16 x 3/4” long Drill Point Hex Head Screws (4)

Tools required for installation:
• 5/16” Hex Socket

(Havis Part # HW-EL-0079)

(Havis Part # HW-EL-0006)

(Havis Part # HW-EL-0078)
Port Replication Capability

Side view

- USB 3.0 (to Optional Keyboard)
- USB 3.0 (to Vehicle Docking Station)
- Power 12.0 VDC-IN
- HDMI 1.3 (to Vehicle Docking Station)

Notice

BE CERTAIN TO CONNECT USB CABLES TO THE CORRECT USB PORT ON THE TSD-101 AS OUTLINED IN SIDE VIEW.

Bottom view

- USB 3.0
Set-Up Instructions

Connecting to Power

1) Connect threaded end of the DC input cable to the Touch Screen Display and the other end to the Lind Power Supply.

2) Connect one end of the cigarette lighter power cable to the Lind Power Supply.

3) Plug into cigarette lighter receptacle connected to vehicle power.

4) The LED on the Lind Power Supply will illuminate green and the power indicator on the Touch Screen Display will illuminate amber to indicate that power is connected.
Connecting to Vehicle Docking Station and Optional Keyboard 
(*not included with TSD-101*)

1) Connect one end of the USB 2.0 cable (*male-male*) to Touch Screen Display and the other end to the vehicle docking station.

2) Connect one end of the HDMI cable (*male-male*) to Touch Screen Display and the other end to the vehicle docking station.

3) Connect one end of the USB 2.0 cable (*male-female*) to Touch Screen Display and the other end to the optional keyboard (*not included*).

**NOTICE**

Be certain to connect USB cables to the correct USB port on the TSD-101 as outlined in side view on page 6.

**NOTICE**

Be certain to connect USB cables to the correct USB port on the TSD-101 as outlined in side view on page 6.
Connecting to Vehicle Docking Station and Optional Keyboard (not included with TSD-101)(continued)

4) Use provided ZipTies to secure each cable at both strain relief points.

Vehicle Mounting

1) Havis provides vehicle-specific mounting solutions for the TSD-101. To check availability of a mounting solution for your vehicle, go to www.havis.com or call 1-800-524-9900 and search for C-DMM-2000 Series products.

2) Be sure to follow all installation instructions included with the vehicle-specific mounting solution.
Operating Basics

Turning On/Off

1) With the Touch Screen Display connected to the Lind Power Supply and the vehicle docking station, press the Power Button.

2) The Power Indicator will illuminate to a green light (Powered ON Mode). The Touch Screen Display receives data from the system and displays the output on the screen. If Power Indicator illuminates amber, Touch Screen Display has power (Standby Mode), but is not receiving signal from source device. Verify Settings on source device (duplicate or extend monitor) or check connections and retry.

3) Press the Power Button to turn off the Touch Screen Display. Power Indicator is not illuminated.

Using the Touch Screen

1) Tap the screen with your finger or fingers to communicate with the system.
Operating Basics (continued)

Using Control Buttons

1) **Volume:** Press and hold either button (VOL+ or VOL-) until the volume OSD appears on the screen. Then, press (+) to increase, or (-) to decrease the volume.

2) **Brightness:** Press and hold either button (+ or -) until the brightness OSD appears on the screen. Press (+) to increase, or (-) to decrease the brightness.

![Using Control Buttons](image)

Activating Night Mode

1) Press both the (+) and (-) Brightness buttons simultaneously to activate Night Mode.

2) In Night Mode, the display will switch to a red monochrome color scheme to reduce eye strain in dark environments.

3) Press both the (+) and (-) Brightness buttons simultaneously to deactivate Night Mode.

![Activating Night Mode](image)
Related Products

**TSD Mounting Solutions**
Havis offers a variety of mounting solutions, including light-weight motion devices and vehicle-specific mounting solutions for the TSD-101. Visit www.havis.com or call 1-800-524-9900 to browse available mounting solutions, including our vehicle-specific C-DMM series.

**LPS-168**
Replacement Power Supply for the TSD-101

**KB-108**
Havis Rugged Backlit USB Keyboard with Integrated Touch Pad and Emergency Key.

**DS-DA-603**
HAVIS USB-C Hub is designed to work with devices equipped with Samsung DeX technology, and supports mobile devices with full HD screen mirroring technology.

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