Owner's Manual
12.5" Capacitive Touch Screen Display with Integrated Hub

TSD-201

Before Beginning

Havis is pleased to provide this Owner's Manual to aid in the proper installation and use of the TSD-201, 12.5" Capacitive Touch Screen Display with Integrated Hub.

For questions regarding the set-up of your TSD-201, 12.5" Capacitive Touch Screen Display with Integrated Hub , 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-201

⚠WARNING

- **NEVER STOW OR MOUNT THE TOUCH SCREEN DISPLAY DIRECTLY IN A VEHICLE AIRBAG DEPLOYMENT ZONE.**
- **DO NOT USE THE 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.
- Use only the specified Power Supply with this Touch Screen Display.
- 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 70°C, 158°F) for a long period of time.
- Do not store the Touch Screen Display where water, moisture, steam, dust, etc. are present.

Specifications

Power Supply Input	11-16 V DC-In
Dimensions	9.58" (24.3 cm) H x 12.44" (31.6 cm) W x 1.51" (3.84cm) D
Weight	2.66 lbs. (1.2 kg)
Operating Environment	-29° C to 63° C (-20.2° F to 145.4° F)
Storage Environment	-51° C to 70° C (-59.8° F to 158 F)
Display Size	12.5" diagonal screen size; Gorilla Glass
Max Resolution (Aspect Ratio)	1920 x 1080 (16:9)
Brightness	1200 NITS
Viewing Angle	85 degrees from all sides

Certifications

CAN ICES-3 (A)/NMB-3(A)

FCC 47CFR, Part 15 compliance: This is an FCC Class B device. Any changes or modifications to the model TSD-201 not expressly approved by Havis, Inc. could void the user's authority to operate this equipment.

EU DECLARATION OF CONFORMITY [CWN1]

Manufacturers Name: Havis, Inc.
Manufacturers Addresses: 75 Jacksonville Road, Warminster, PA, 18974, USA
This declaration of conformity is issued under the sole responsibility of the manufacturer.
Product name: 12.5" Capacitive Touch Screen Display with Integrated Hub
Model: TSD-201. 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 directives, standards, or other normative documents:
UN ECE Regulation 10 UNECE Regulation 10.05, Paragraph 3.2.9; Clauses 6.5, 6.6, 6.7, 6.9; "Uniform provisions concerning the approval of vehicles with regard to electromagnetic compatibility"
EMC Directive 2014/30/EU EN 50498:2010, "Electromagnetic compatibility (EMC) - Product family standard for aftermarket electronic equipment in vehicles"

RoHS Directive 2011/65/EU EN 50581:2012, "Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances"
The object of the declaration described above is in conformity with Directive 2011/65/EU of the European Parliament and[CWN2] of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment.

UKCA DECLARATION OF CONFORMITY

Manufacturers Name: Havis, Inc.
Manufacturers Addresses: 75 Jacksonville Road, Warminster, PA, 18974, USA
This declaration of conformity is issued under the sole responsibility of the manufacturer.
Product name: 12.5" Capacitive Touch Screen Display with Integrated Hub
Model: TSD-201. 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 UKCA Marking.

Electromagnetic Compatibility Regulations 2016 BS EN 50498 "Electromagnetic compatibility (EMC) - Product family standard for aftermarket electronic equipment in vehicles"

The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012 BS EN 63000:2018, "Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances"

Supplementary Information:
The object of the declarations described above is in conformity with the relevant Union harmonization legislation.
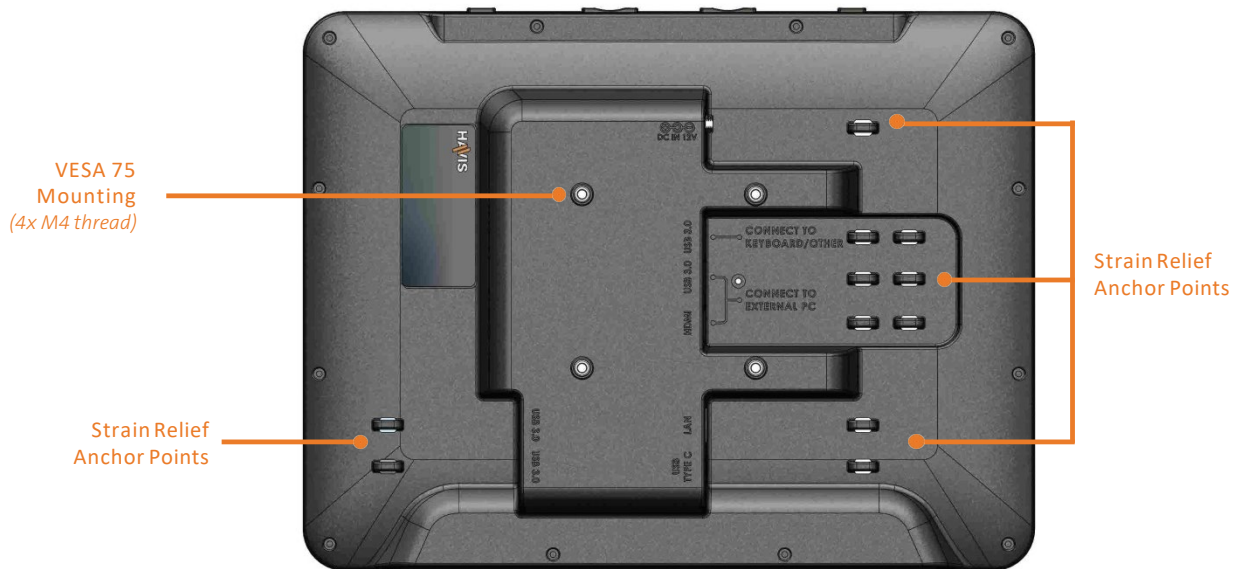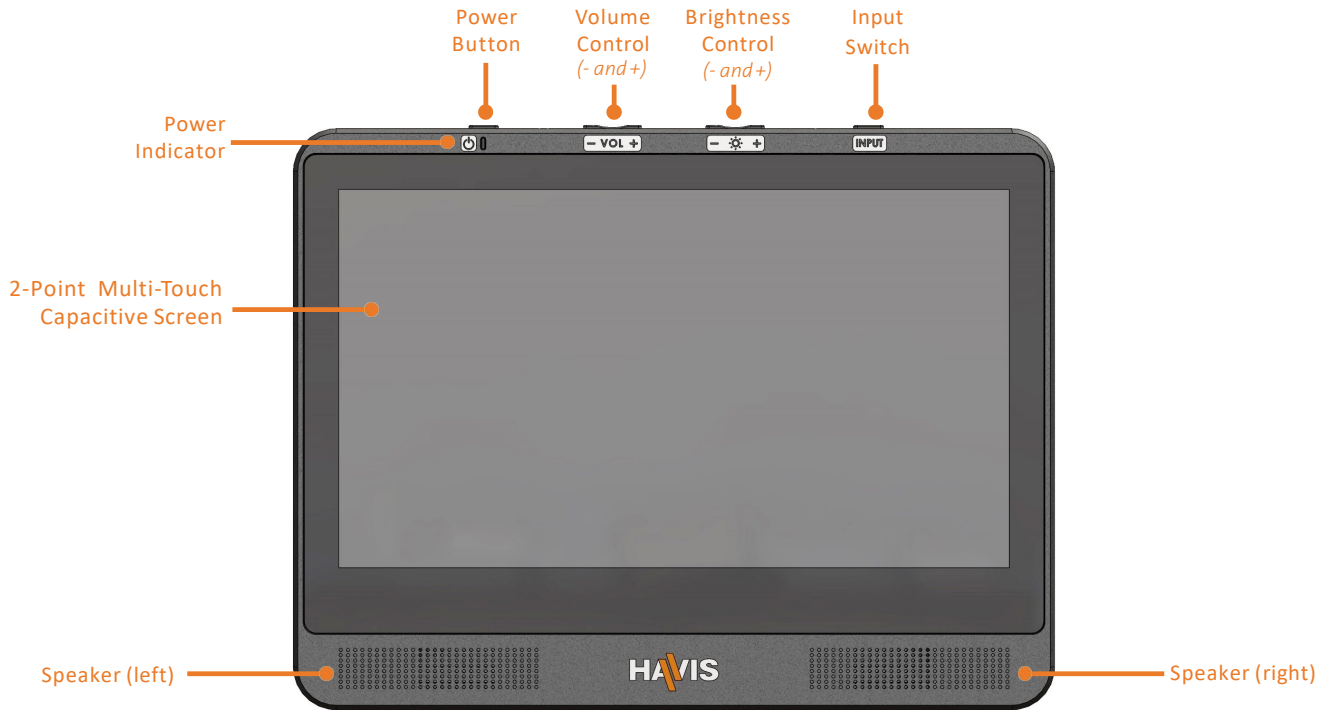This product requires the use of a recommended E Marked automotive power supply when used within vehicles.
Signed for and on behalf of Havis, Inc:
75 Jacksonville Road, Warminster, PA, 18974, USA, November 13, 2020   Bruce Jonik, Director of Engineering , Havis, Inc.

Parts Included

12.5" CAPACITIVE TOUCH SCREEN

Power Button

Volume Control
(- and +)

Brightness Control
(- and +)

Input Switch

Power Indicator

2-Point Multi-Touch Capacitive Screen

Speaker (left)

Speaker (right)

VESA 75 Mounting
(4x M4 thread)

Strain Relief Anchor Points

Strain Relief Anchor Points

CONNECT TO KEYBOARD/OTHER

CONNECT TO EXTERNAL PC

Parts Included *(continued)*

DISPLAY HARDWARE

This Hardware Kit includes:
1. Zip Ties (8)
2. M4 x 0.7 x 010mm long Pan Head Screws (5)
3. Washers, M4 (5)
4. Split Lock Washers (5)

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

① ③

② ④
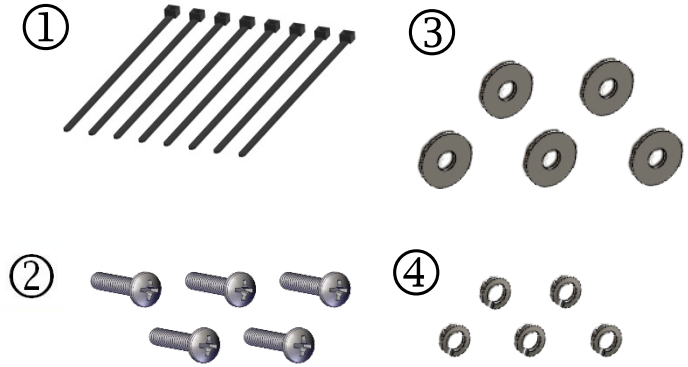
CABLES

USB2.0, 2m. Long *(male - female)*
for optional Keyboard or Accessory

USB2.0, 20ft. Long *(male - male)*
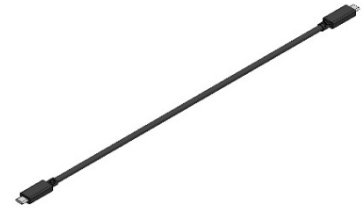*to External PC*

HDMI, 20ft. Long *(male - male)*
to External PC

NOTICE

HAVIS PART# DS-DA-331, USB 3.1 TYPE-C, 2.0m (MALE-MALE) CABLE NOT INCLUDED.

A USB 3.1 TYPE-C CABLE IS THE MINIMUM CABLE REQUIREMENTS FOR FULL FUCTIONALITY WITH CONNECTED PC, TABLET, OR PHONE.
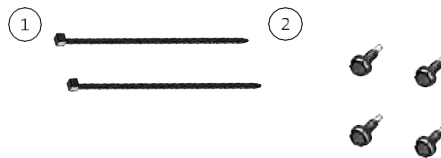
NOTICE

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

POWER SUPPLY, CABLES, & MOUNTING HARDWARE

(Havis Part # HW-EL-0143)

(Havis Part # HW-EL-0006)

(Havis Part # HW-EL-0078)
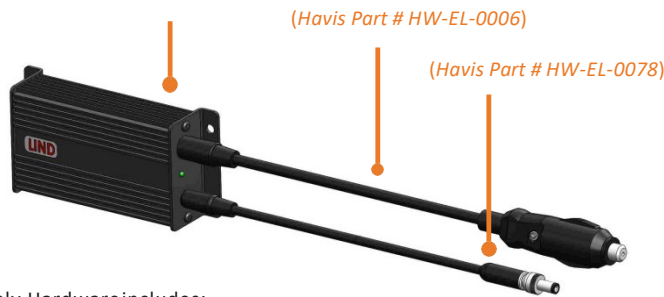
Power Supply Hardware includes:
1. Zip Ties (2)
2. #10-16 x 3/4" long
   Drill Point Hex Head Screws (4)

Tools required for installation:
- 5/16" Hex Socket

① ②

Port Identification

NOTICE

BE CERTAIN TO CONNECT THE USB CABLES TO THE
CORRECT USB PORTS ON THE TOUCH SCREEN
DISPLAY AS OUTLINED IN SIDE VIEW.

POWER (12V DC IN)

USB 3.0
(to Keyboard/ Other)

USB 3.0
(to External PC)

HDMI
(to External PC)

ETHERNET

USB TYPE-C
(to Phone, Laptop,
or Tablet)

USB 3.0
(to Printer/ Other)

USB 3.0
(to Mouse/ Other)

Installation

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.
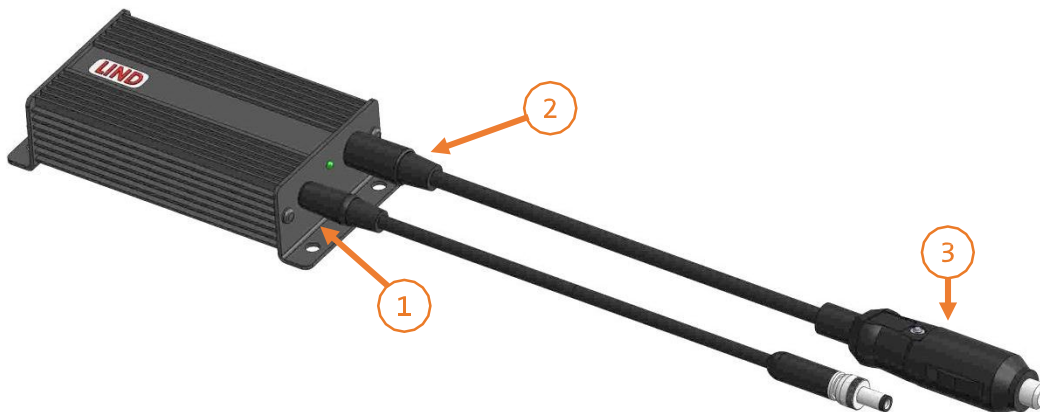
Installation

CONNECTING TO EXTERNAL PC, PHONE, AND OPTIONAL
KEYBOARD/ACCESSORIES (NOT INCLUDED WITH TSD-201, 12.5" CAPACITIVE
TOUCH SCREEN DISPLAY WITH INTEGRATED HUB)

1. Connect one end of the USB 2.0 cable (male-female) to Touch Screen Display and the other end to the optional keyboard or other accessory (not included).
2. Connect one end of the USB 3.0 cable (male-male) to Touch Screen Display and the other end to the external PC.
3. Connect one end of the HDMI cable (male-male) to Touch Screen Display and the other end to the external PC.
4. Connect one end of the USB TYPE-C cable (male-male) to Touch Screen Display and the other end to phone, tablet, or PC.
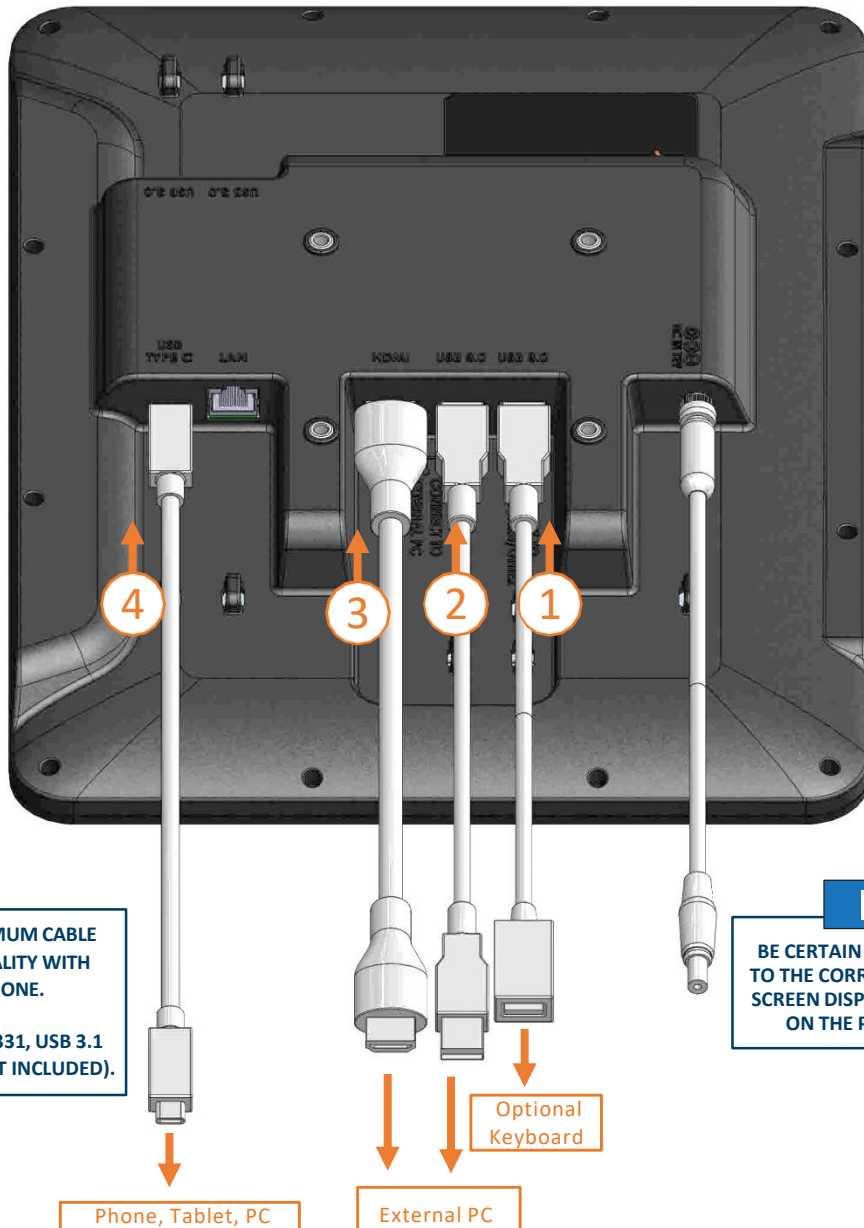
NOTICE

A USB 3.1 TYPE-C CABLE IS THE MINIMUM CABLE REQUIREMENTS FOR FULL FUCTIONALITY WITH CONNECTED PC, TABLET, OR PHONE.
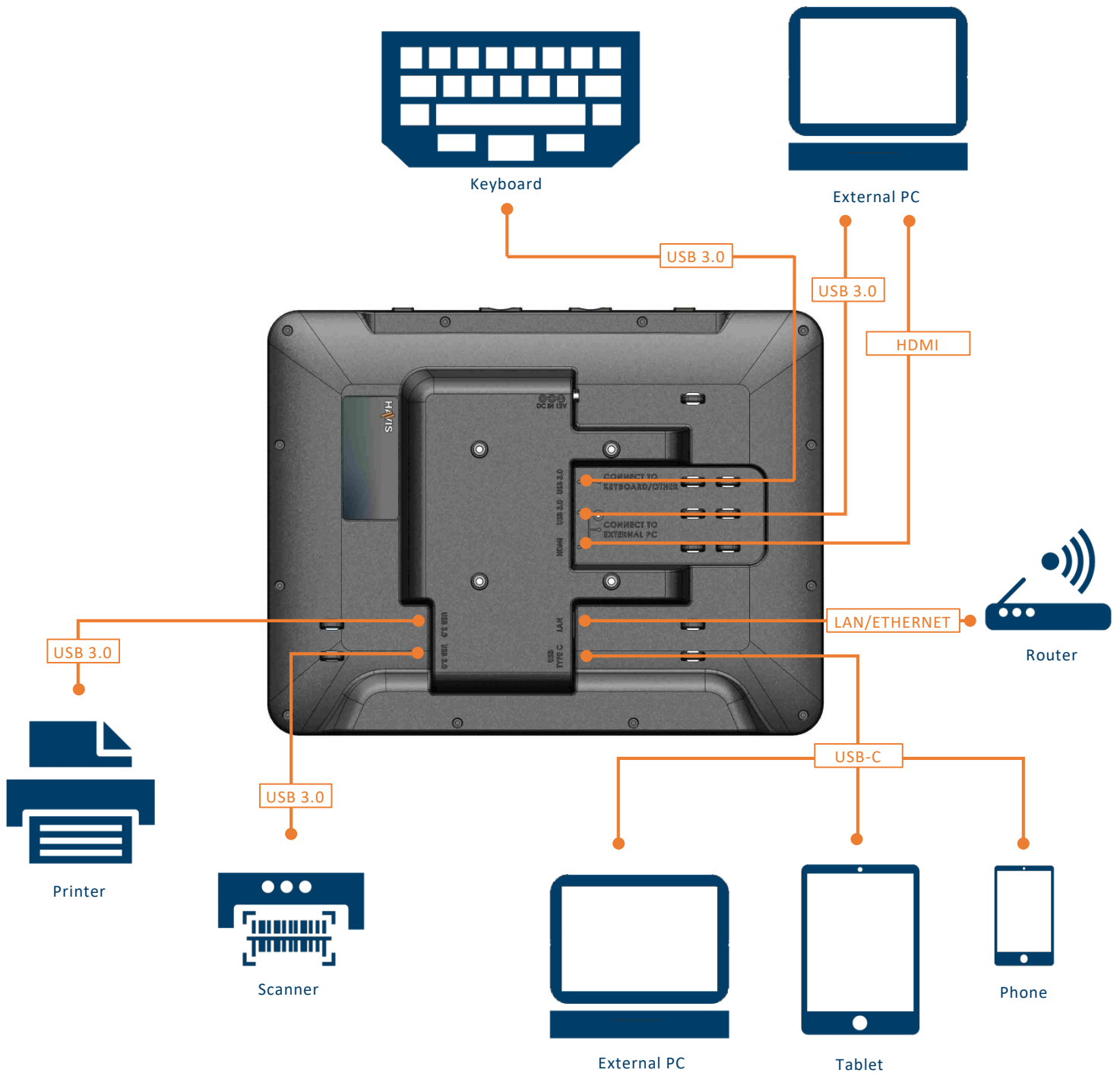
HAVIS RECOMMENDS PART# DS-DA-331, USB 3.1 TYPE-C, 2.0m (MALE-MALE) CABLE (NOT INCLUDED).

NOTICE

BE CERTAIN TO CONNECT THE USB CABLES TO THE CORRECT USB PORTS ON THE TOUCH SCREEN DISPLAY AS OUTLINED IN SIDE VIEW ON THE PORT IDENTIFICATION PAGE
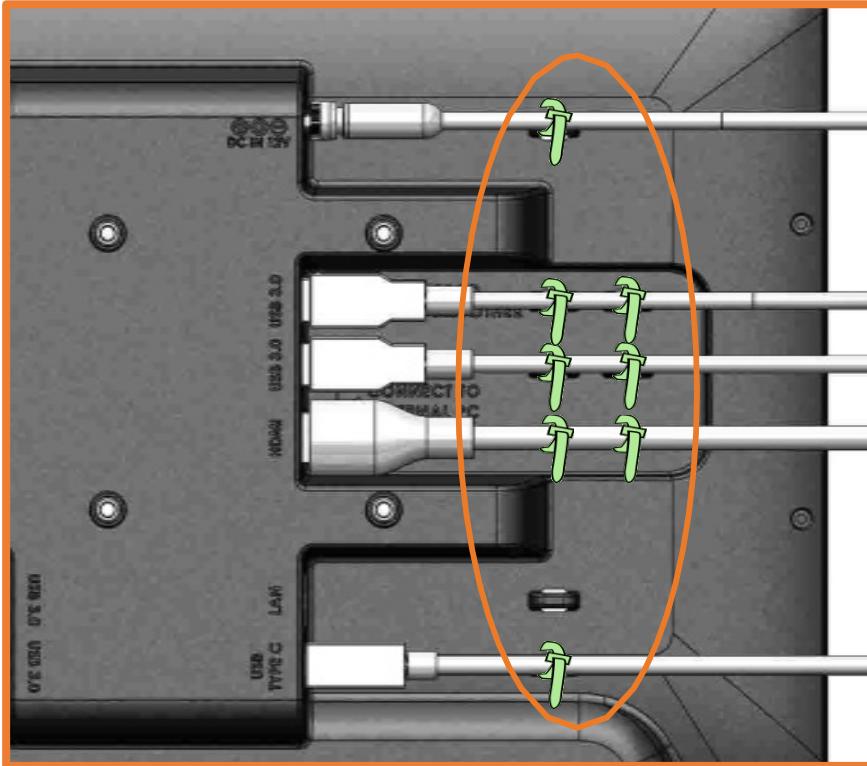
Optional Keyboard

Phone, Tablet, PC

External PC

Installation

EXAMPLE INSTALLATION

Keyboard

External PC

USB 3.0

USB 3.0

HDMI

CONNECT TO KEYBOARD/OTHER

CONNECT TO EXTERNAL PC

LAN/ETHERNET

Router

USB 3.0

USB 3.0

Printer

Scanner

USB-C

External PC

Tablet

Phone

Installation

CABLE MANAGEMENT

1. Use provided Zip Ties to secure each cable at the strain relief points.

VEHICLE MOUNTING

1. Havis provides a variety or mounting solutions including vehicle-specific mounting solutions for the TSD-201. To check availability of a mounting solution for your vehicle, go to www.havis.com or call 1-800-524-9900 for more information.
2. Be sure to follow all installation instructions included with your mounting solution.
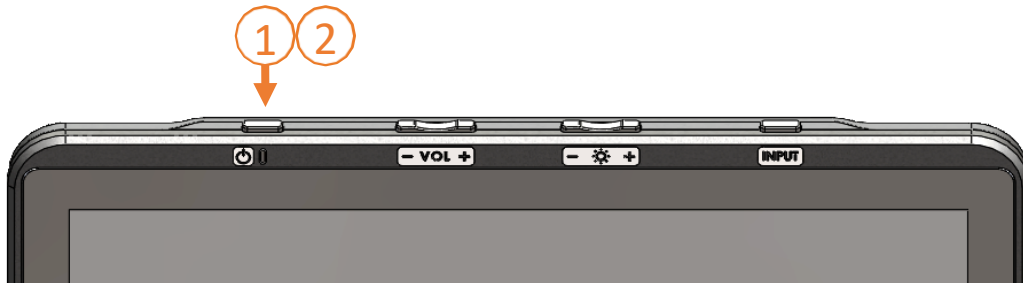
Operation

TURNING ON/OFF

1. With the Touch Screen Display connected to the Lind Power Supply and the Input Device, press the Power Button.
2. The Power Indicator will illuminate green (Powered ON Mode).
3. 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 input device. Verify Settings on input device (duplicate or extend monitor) or check connections and retry.
4. Press the Power Button to turn off the Touch Screen Display. Power Indicator is not illuminated.

ACTIVATING BLACKOUT MODE

1. When the display is on, press the Power Button to enter Blackout mode. Blackout mode blanks the screen.
2. A second press of the Power Button will allow the display to resume from the previous state.

USING THE TOUCH SCREEN

Using the Touch Screen
1) Tap the screen with your finger or fingers to communicate with the system.
2) Pinch- Zoom Capable Screen
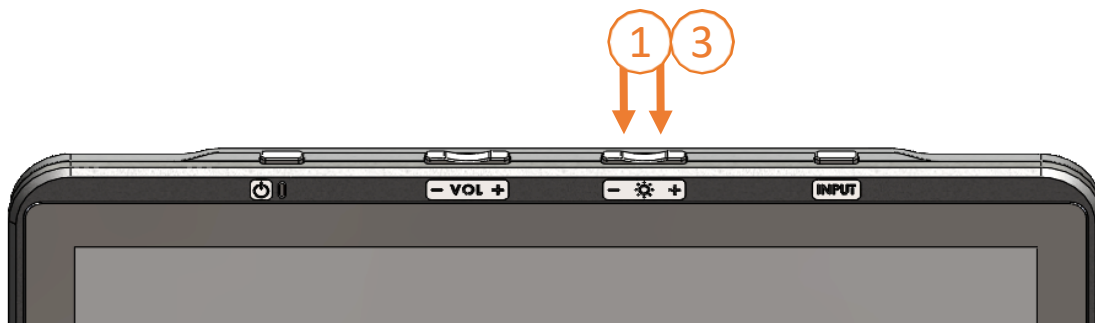
Operation

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.

3. **Input:** Press button to toggle between input source. Notification on touch screen will identify which input source is selected (HDMI or USB-C video).
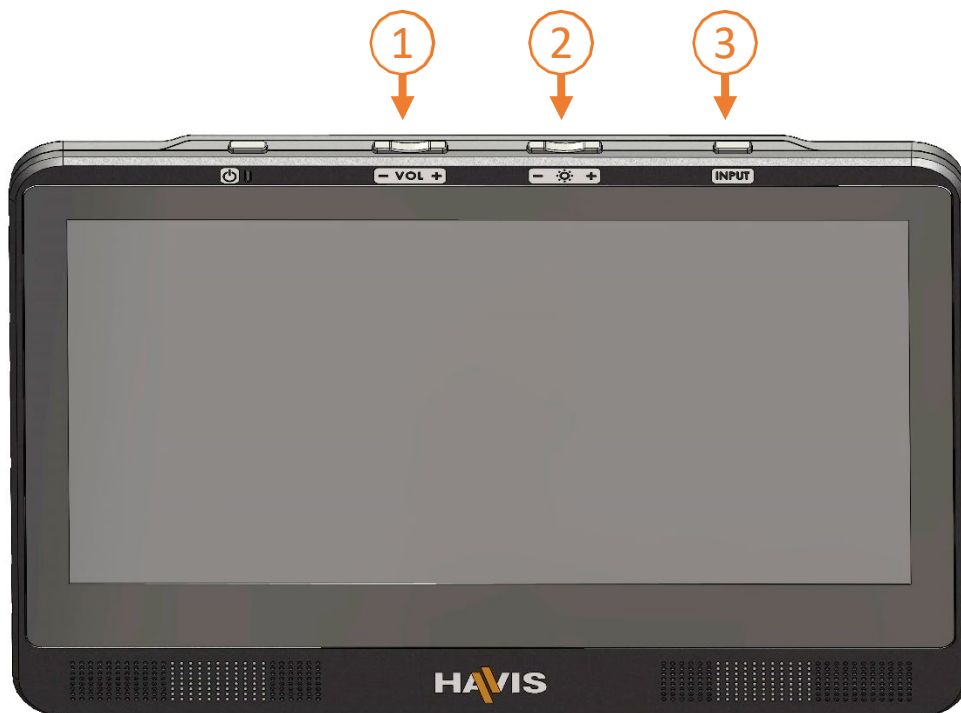
ACTIVATING NIGHT MODE

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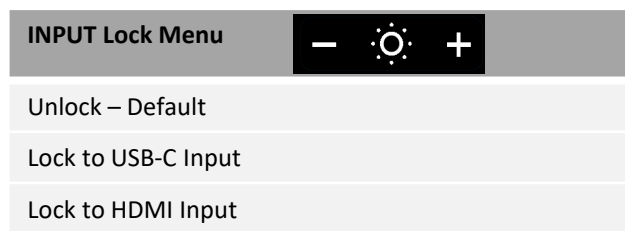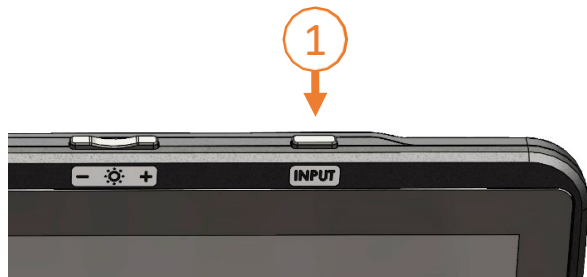3. Press both the (+) and (-) Brightness buttons simultaneously once again to deactivate Night Mode.
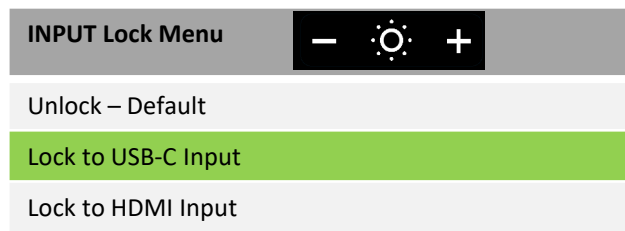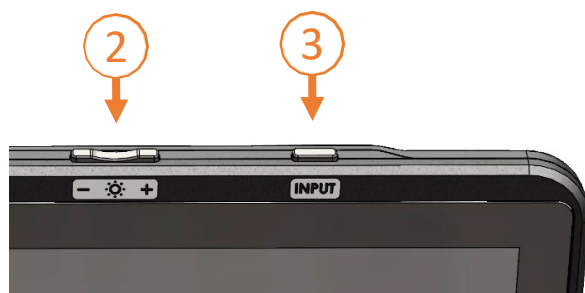
Operation

LOCKING/UNLOCKING THE INPUT SOURCE

Activation:

1. Press and hold the Input button for 3 seconds to bring up the Input Lock menu. The on-screen message will display for 5 seconds.

INPUT Lock Menu	− ☼ +
Unlock – Default	
Lock to USB-C Input	
Lock to HDMI Input	

2. Press the Brightness Up/Down button to select your preferred Input lock setting, Lock to USB-C Input or Lock to HDMI Input.
3. Press the INPUT button to accept your selection.

INPUT Lock Menu	− ☼ +
Unlock – Default	
Lock to USB-C Input	
Lock to HDMI Input	

When the Input source is locked one of the following messages shown below will display whenever the Input button is pressed:
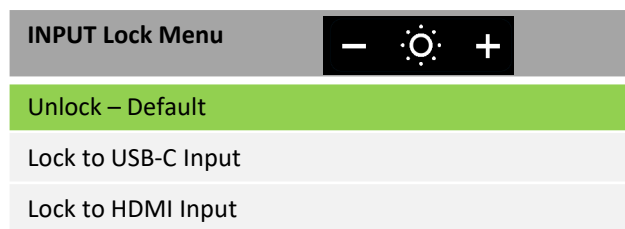
The INPUT is locked to the USB-C input   **OR**   **The INPUT is locked to the HDMI input**

Deactivation:

1. Press and hold the Input button for 3 seconds to bring up the Input Lock menu.
2. Press the Brightness Up/Down button to select Unlock- Default.
3. Press the Input button to accept your selection.

INPUT Lock Menu	− ☼ +
Unlock – Default	
Lock to USB-C Input	
Lock to HDMI Input	

Related Products

Havis offers a wide variety of accessory products specifically for use with your TSD-201.
For more information or to order, please visit *www.havis.com*.

TSD Mounting Solutions
Havis offers a variety of mounting solutions, including light-weight motion devices and vehicle-specific mounting solutions for the TSD-201, 12.5" Capacitive Touch Screen Display with Integrated Hub. Visit www.havis.com or call 1-800-524-9900 to browse available mounting solutions, including our vehicle-specific C-DMM series.

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

DS-PD-101
Convenient docking for DeX equipped Samsung smartphones. Includes embedded USB-C connection with 6' cable.

DS-DA-331
Replacement cable, USB3.1 Type C Male to Male,5 Gbps, 6.6 FT .

TSD-R-0001
Replacement Cable Kit, 20ft USB-A, Male to Male Cable; 20ft HDMI Cable; 2m USB 2.0, Male to Female Cable.