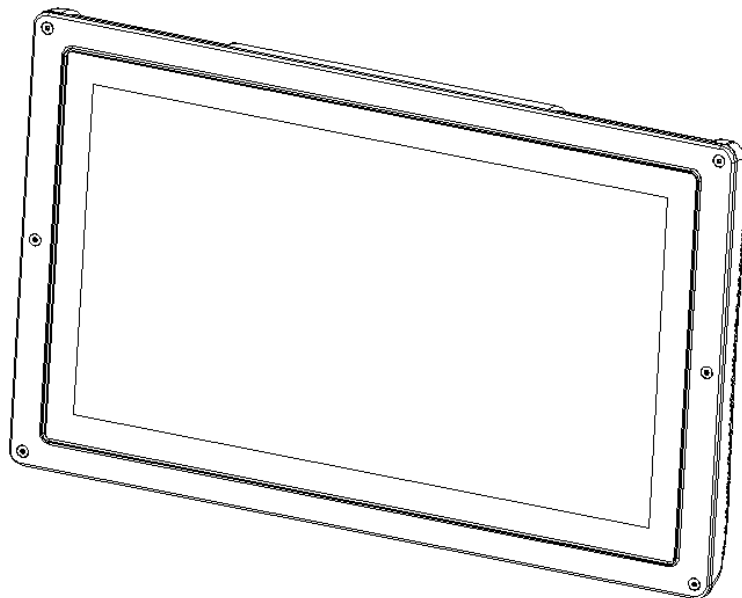




# Touch Panel



# Installation and Operation Guide

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# Safety

## Notes Cautions and Warnings

This guide contains icons indicating a degree of importance to the user. They are indicated as follows.



**Note:** Indicates information the user should consider optimizing use of this device.



**Caution:** Indicates potential for damage to device. User should follow instructions carefully to avoid potential problems.



**Electrical warning:** Indicates potential for damage to device and harm to user from incorrect use of electrical sources. User should follow instructions to operate device safely and properly.

## International Standards:

### Safety:

- (1) UL 62368-1: Ed. 2 - Audio/video, information and communication technology equipment - Part 1: Safety requirements
- (2) EN/IEC 62368-1:2014 - Audio/video, information and communication technology equipment - Part 1: Safety requirements

### EMC:

- (1) FCC 47 CFR Part 15, Subpart B – Verification - Title 47: Telecommunication; Part 15— Radio Frequency Devices.
- (2) ICES-003 Issue 6: 2016 - Information Technology Equipment (ITE) – Limits and methods of measurement.
- (3) EN 55032: 2015 + AC: 2016-07 - Information technology equipment Radio disturbance characteristics. Limits and methods of measurement.
- (4) CISPR 32: 2015/COR1:2016 - Information technology equipment Radio disturbance characteristics. Limits and methods of measurement.
- (5) AS/NZS CISPR 32:2015 - Information technology equipment Radio disturbance characteristics. Limits and methods of measurement.
- (6) EN 61000-3-2: 2014 - Limits for harmonic current emissions (equipment input current  $\leq 16$  A per phase).
- (7) EN 61000-3-3: 2013 - Limitation of voltage changes, voltage fluctuations and flicker in public low-voltage supply systems, for equipment with rated current  $\leq 16$  A per phase and not subject to conditional connection
- (8) EN 55035: 2017 - Electromagnetic compatibility of multimedia equipment. Immunity requirements.
- (9) KN 32 - Electromagnetic compatibility of multimedia equipment – Emission requirements.
- (10) KN 35 - Electromagnetic compatibility of multimedia equipment – Immunity requirements.
- (11) VCCI-CISPR 32:2016 - Agreement of VCCI Council - Technical Requirements
- (12) CNS 13438: 2006 Class A - Limits and Methods of Measurement of Radio Interference Characteristics of Information Technology Equipment.

## Power:



The FTP 100 should only be powered using the recommended input specification. Failure to do so may damage the device and prevent proper operation.



The power should be supplied from a grounded source for safety. Failure to do so may result in electric shock.



Unplug the device during lightning storms or when storing for extended periods.



Do not overload power strips or connectors that this device is connected to. Failure to do so may result in fire or electric shock.



Be sure that the supply you are using is rated to accept the local AC line voltage and frequency available to you.

## Installation:



Make sure the user is able to lift more than 50lbs. easily before handling the device. During installation never place the device on anything that cannot support less than 50 lbs. easily as well.



During installation it is recommended that 2 or more people are available for placement prior to mounting.



Use the mounting hardware provided or equivalent. Any other hardware or modifications to use other hardware may damage the device or lead to unsatisfactory installation.



Allow for adequate space around monitor for air circulation. Failure to do so may lead to overheating and cause a failure of operation.



Never place monitor on its screen directly unless on a soft scratch free surface to prevent unwanted damage to the screen.

## Cleaning:



Only use cleaning agents designed for regular cleaning of LCD screens. Use a soft lint free cloth in combination.



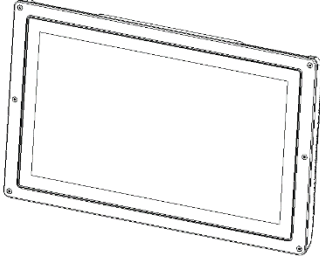
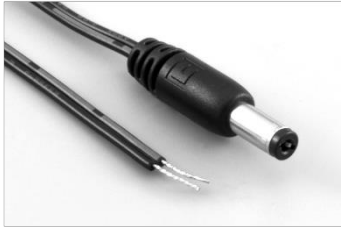
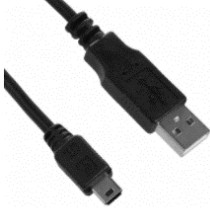
Never spray cleaning agents directly onto the screen. Always spray liquid onto the cloth and then begin wiping.



If glue or strong residue which normal LCD cleaning agents are unable to remove exists, the use of a normal hexane agent is permissible.

## Setup:

### Provided Contents:

|   |   |
|---|---|
| <p><b>FTP100 Touch Panel (1)</b></p>           | <p><b>Height – 14.37 in.</b><br/><b>Length – 22.85 in.</b><br/><b>Width – 2.44 in.</b><br/><b>Weight – 35.05 lbs.</b></p> |
| <p><b>DIN Supply Output Cable (1)</b></p>      | <p><b>Length – 15ft.</b></p>  |
| <p><b>HDMI to Micro HDMI Cable (1)</b></p>   | <p><b>Length – 15ft.</b></p>  |
| <p><b>USB 2.0 to Mini USB Cable (1)</b></p>  | <p><b>Length – 15ft.</b></p>  |
| <p><b>Mounting Hardware (4)</b></p>          | <p><b>M8 x 1.25 mm Thread, 20mm<br/>Long screws.</b></p>  |

## Requirements:

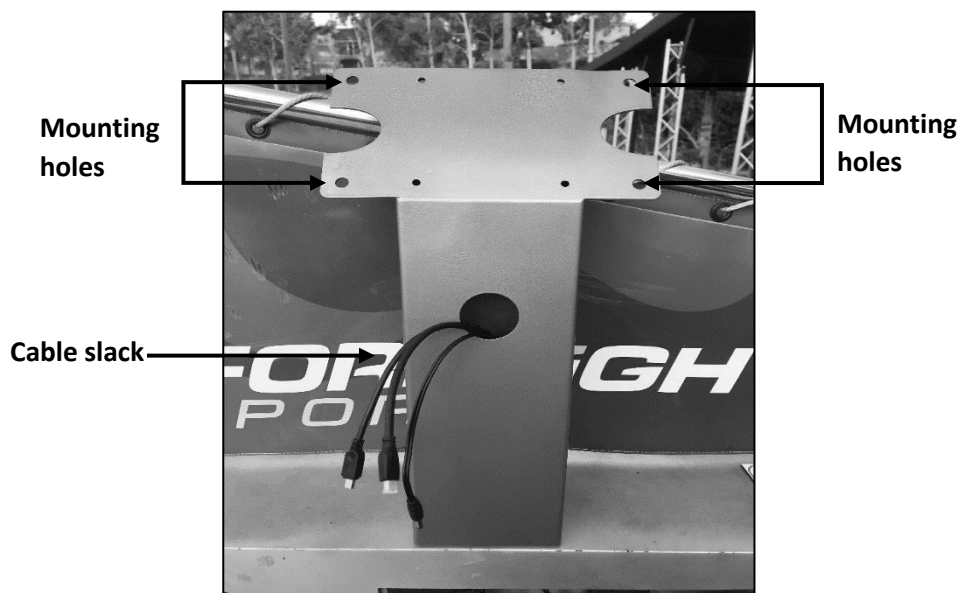
1. No. 4 Philips head screwdriver.
2. 1 other person capable of lifting 50 lbs.

The Foresight Sports Touch Panel FTP100 uses a standard 200mm x 100mm VESA mounting pattern using 8mm screws. To install the FTP100 follow the steps outlined below. In this example the FTP100 is being mounted to a Foresight Sports bay divider but the application is universal with a VESA approved mount.

## Mounting Instructions:

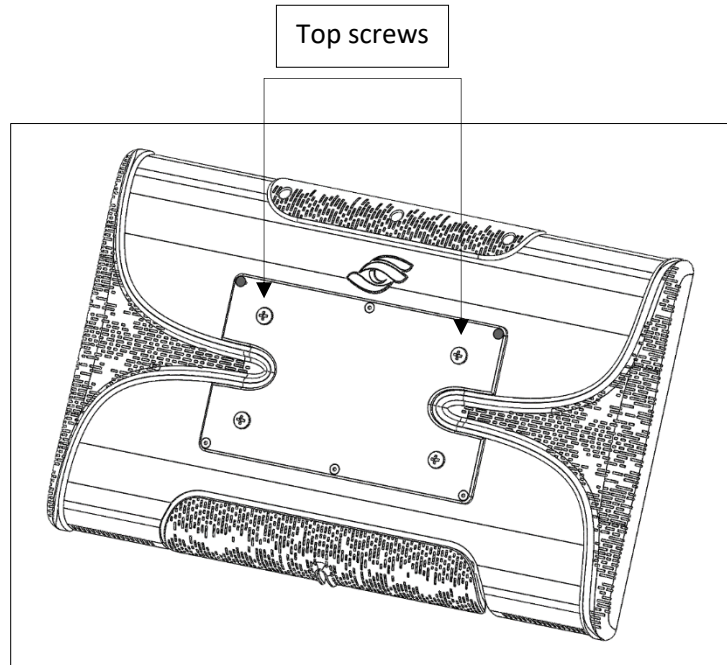
**STEP 1:** Route the provided cables (USB, HDMI, Power) to your mounting location to ensure proper length and at least 1 ft of slack (Fig. 1).

**STEP 2:** Hold the FTP100 near the mount aligning the screw holes to the holes of the mount. (Fig. 1) Thread the screws into the FTP100, starting with the top 2. (Fig. 2) Tighten to a snug fit allowing for slight movement needed to align bottom holes. Thread the remaining screws into the FTP100 to a snug fit as well. At this point make sure the touchscreen is level and to your liking. Fully tighten all 4 screws well so that the unit may not be shifted.



**Fig 1.**





**Fig. 2**

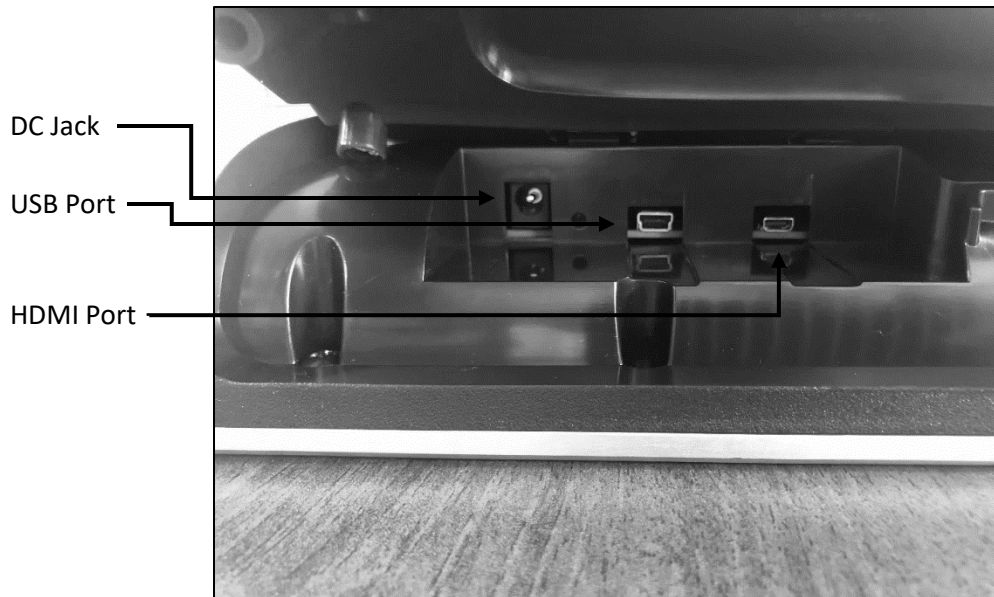
### Connecting the FTP100:

**STEP 1:** Lift the rubber flap (Fig. 3) located at the bottom of the touch panel to access the AC Power, USB-B Mini and Micro HDMI ports



**Fig. 3**

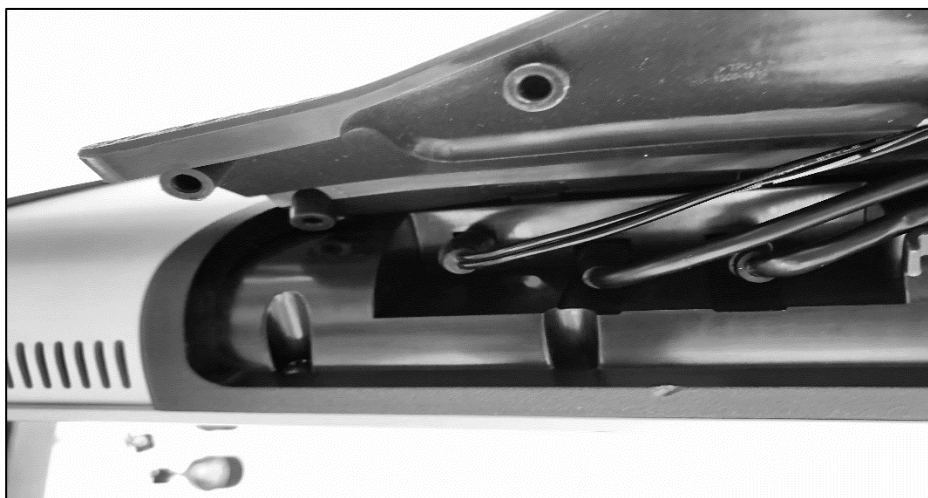
**STEP 2:** Connect HDMI to Micro HDMI to the port underneath touch panel.



**Fig. 4**

**STEP 3:** Connect USB to USB Mini cable from PC to port underneath touch panel.

**STEP 4:** Connect AC Power cable from 24-volt power source to port underneath touch panel  
(red LED indicator light should turn on and fan inside touch panel should begin spinning).



**STEP 5:** Ensure all cables are seated properly and routed with a 90° bend to the right and seated in the guides molded on the plastic part of the enclosure.

**DONE:** Touch panel should now be fully functional.

## Operating Instructions:



The FTP100 is designed to use finger touch to interact with the display.



All display settings and touch calibration are optimized out of the box.

1. Once the device is powered on you should see an image on the screen.
2. Touch inputs function like a mouse click:
  - One press = single click
  - Double tap = double click
  - Press, hold and release = right click
  - Press and move = drag and drop



Leaving a static image on the display may cause the image to be burned into the screen.

Be sure that a screen saver or sleep timer is enabled to prevent this.

## Troubleshooting:

| Problem                     | Possible Solution   |
|-----------------------------|---|
| Power LED Is not ON         | -Make sure power cable is seated properly on the FTP100<br>-Make sure polarity is correct on DIN supply if used |
| No image on screen          | -Make sure HDMI cable is seated correctly on FTP 100 and PC sides.  |
| Touch screen not working    | -Make sure USB cable is seated properly on FTP100 and PC sides  |
| Touch calibration seems off | Check to make sure video settings are set to native resolution (1920 x 1080)                                    |

## Specifications:

### Display:

| Item Description         | Specification                         |
|--------------------------|---------------------------------------|
| Model Name               | FTP100                                |
| Screen Diagonal          | 21.5" (546.85mm)                      |
| Active Area              | 18.74" x 10.54" (476.06mm x 267.79mm) |
| Pixels H x V             | 1920(x3) x 1080                       |
| Pixel Pitch              | 274.95µm (per one triad) x 247.95µm   |
| Pixel Arrangement        | RGB Vertical Stripe                   |
| Display Mode             | AHVA, normally black                  |
| White Luminance (Center) | 1500(cd/m <sup>2</sup> )              |
| Contrast Ratio           | 1000:1                                |
| Response Time            | 25msec (typ.)                         |
| Colors                   | 16.7 Million                          |
| Surface Treatment        | Anti-Glare, 3H                        |
| Rotation                 | Unavailable                           |
| Display Orientation      | Portrait/Landscape Enabled            |
| Resolution               | Full HD (1920 x 1080)                 |
| Refresh Rate             | 60Hz                                  |
| Input Type               | mini-HDMI                             |

### Mechanical:

| Item Description        | Specification  |
|-------------------------|--|
| Overall Dimensions      | 22.85" (580.5mm) L x 14.37" (365mm) H x 2.44" (61.9mm) Depth |
| Weight                  | 35.05 lbs.   |
| Mounting Type           | VESA standard  |
| Mounting Hole Spacing   | 100mm x 200 mm   |
| Enclosure Material      | PC-ABS/TPU/Aluminum  |
| Screen Surface Material | Glass  |
| Touch Screen Thickness  | 6mm  |

### Electrical:

| Item Description      | Specification            |
|-----------------------|--------------------------|
| Power Supply          | 24VDC 2.5A               |
| Operating Temperature | 0 -50° C                 |
| Operating Humidity    | 10-90% Relative Humidity |