

# GETTING STARTED

## NI TSM-101x Touch Screen Monitor

### Package Contents

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- NI TSM-101x Touch Screen Monitor
- Touch Screen Stylus
- USB A-to-A Cable
- RS-232 Cable



**Note** Refer to the *NI TSM-101x Series User Manual* at [ni.com/manuals](http://ni.com/manuals) for information about optional accessories.

### Getting Started with NI Linux Real-Time

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1. Connect the desired display interface (VGA, DVI-D, DisplayPort) to the NI Linux Real-Time controller.
2. Connect touch screen modality to the NI Linux Real-Time controller using the USB A-to-A cable.
3. Connect power to the touch screen monitor via the 9 to 36 V terminal block or 9 to 36 V lockable DC jack using an optional power supply accessory.
4. To install the necessary drivers, ensure that your NI Linux Real-Time controller has the normal Recommended Software Set (RSS) installed from MAX. Refer to [ni.com/gettingstarted](http://ni.com/gettingstarted) for instructions on installing the RSS.
5. In MAX, enable Embedded UI on the NI Linux Real-Time controller and reboot as described in the user manual.
6. Calibrate the touch screen if necessary. Go to [ni.com/info](http://ni.com/info) and enter the Info Code `CalibrateTouchScreenLinuxRT` for the proper calibration procedure, considerations and best practices.
7. Disconnect power from the touch screen monitor before mounting. Refer to the *NI TSM-101x Series User Manual* for mounting options and instructions.

### Getting Started with Windows

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1. Connect the desired display interface (VGA, DVI-D, Display Port) to the Windows computer.
2. Connect touch screen modality to the Windows computer using the USB A-to-A cable or RS-232 cable.
3. Connect power to the touch screen monitor via the 9 to 36 V terminal block or 9 to 36 V lockable DC jack using an optional power supply accessory.
4. Download and install the latest PenMount 6000 resistive touch driver for your OS from <http://www.salt.com.tw/en/service-support/downloads/software>.
5. Calibrate the touch screen if necessary. Follow the PenMount driver prompts as described in the user manual.
6. Disconnect power from the touch screen monitor before mounting. Refer to the *NI TSM-101x Series User Manual* for mounting options and instructions.

# Preparing the Environment

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Ensure that the environment you are using the NI TSM-101x in meets the following specifications.

Operating ambient temperature ..... -20 °C to 60 °C  
(IEC 60068-2-1, IEC 60068-2-2)

Operating relative humidity ..... 10% to 95%, noncondensing  
(IEC 60068-2-56)

Altitude ..... 2,000 m (800 mbar)

Pollution Degree ..... 2

Indoor use only.



**Caution** Clean the hardware according to the *Maintenance and Cleaning* instructions provided in the *NI TSM-101x Series User Manual*.



**Note** Refer to the *NI TSM-101x Series User Manual* at [ni.com/manuals](http://ni.com/manuals) for complete specifications.

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