



**PST SDK
Tracking
System
Software**



PS-tech PST SDK Tracking System Software User Guide

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PS-tech PST SDK Tracking System Software



Specifications:

- Product Name: PST Tracking System
- Operating System: Linux
- Hardware Compatibility: Standard tripod mount, SuperSpeed USB ports
- Manufacturer: PS-Tech

Product Usage Instructions

Software Installation:

1. Insert the PST software USB stick into your computer.
2. Start the installation software by running `pst-setup-#-Linux-x-Release.deb`, where '#' is the version number.
3. Click the 'Install' button to install all PST components on your computer.

Hardware Setup:

1. Mount the PST using the standard tripod mount at the bottom of the device.
2. Ensure no objects block the line of sight of the PST.
3. Connect the power cable to the power supply unit and plug it into a wall socket.
4. Plug the cable from the power supply unit into the back of the PST.
5. Connect two USB cables from the PST to SuperSpeed USB-capable ports on your computer.

Initialization:

1. Download tracker initialization files and set up tracking targets using PST Server and PST Client.
2. To access more details, refer to the PST SDK documentation located in `/opt/ps-tech/pst/Development/docs/index.html`.

FAQ:

- Q: Can initialization files be loaded from disk if there is no internet connection?

A: Yes, it is possible to load initialization files from disk. Contact PS-Tech to receive these files if needed.

- Q: What should I do if I encounter issues with installation or setup?

A: For any questions or assistance regarding installation, setup, or usage, please contact PS-Tech via their website, email, phone, or fax provided in the user manual.

PST SDK QUICK START GUIDE

Thank you for choosing the PST tracking system. This quick start guide will describe the PST Software Development Kit (SDK) installation, hardware setup and initialization procedure.

IMPORTANT: Do not plug in the PST before you install the PST SDK software.

Software Installation

1. Insert the PST software USB stick into your computer.
2. Start the installation software by running 'pst-setup-#-Linux-x64-Release.deb', where '#' is the version number.
3. Click the 'Install' button and all PST components will be installed on your computer

Hardware Setup

1. The PST can be mounted with the standard tripod mount (1/4-20 UNC) at the bottom of the device. Ensure that the PST is positioned in such away that no objects are blocking its line of sight.
2. Attach the power cable to the power supply unit and plug the other end into a wall socket (110-240V). Plug the cable coming from the power supply unit into the back of the PST.
3. Plug the two USB cables into your computer. Make sure you connect the PST to SuperSpeed USB 3.0 capable ports.

For the PSTHD trackers, the status LED on the front of the PST should now be lit.

IMPORTANT:

Do not use the PST near any heat sources. The PST is a high-precision optical measurement device and is designed to operate within a temperature range of 15 °C to 35 °C (59 °F to 95 °F).

Initialization

For first use, tracker initialization files have to be downloaded and tracking targets have to be set-up. For ease of use, the PST Server and PST Client can be used to do this.

1. Open a Terminal.
2. Depending on the model of the connected PST:
 1. For a PSTHDrn run `/opt/ps-tech/pst/pst-server basler_ace`
 2. For a PST Pico run `/opt/ps-tech/pst/pst-server basler_dart`
3. After successful initialization, run the PST-Client from the Applications folder.
4. Follow the on-screen prompts to download initialization data, and set-up the Reference tracking target or train a custom target using the PST Client.
5. Adjust the frame rate and exposure settings such that the target can be tracked.

6. Close the PST Client.
7. Close the PST Server.

For more details on using the PST SDK or working with the PST REST Server, open the PST SDK documentation located in /opt/ps-tech/pst/Development/docs/index.html.

IMPORTANT: If it is not possible to download the initialization files (e.g. no internet connection is present at your location), it is also possible to load initialization files from disk. Please contact PS-Tech if you would like to receive these initialization files

Contact

For questions regarding installation, set up and usage of the PST software and hardware please contact PS-Tech.

Website: <http://www.ps-tech.com>

Address: Falckstraat 53 hs

E-mail: info@ps-tech.com 1017 VV Amsterdam

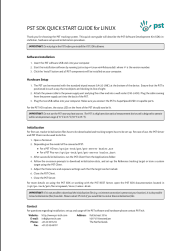
Phone: +31 20 3311214 TheNetherlands

Fax: +31 20 5248797

IMPORTANT: The PST is a high precision optical measurement device. Opening or modifying the PST likely to cause irreparable damage and will void the warranty.

IMPORTANT: Please keep the original shipping box as only devices shipped in the original box can be considered for warranty

Documents / Resources

	<p>PS-tech PST SDK Tracking System Software [pdf] User Guide PST SDK Tracking System Software, SDK Tracking System Software, Tracking System Software, Software</p>
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References

-  [Optical tracking systems | PS-tech](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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