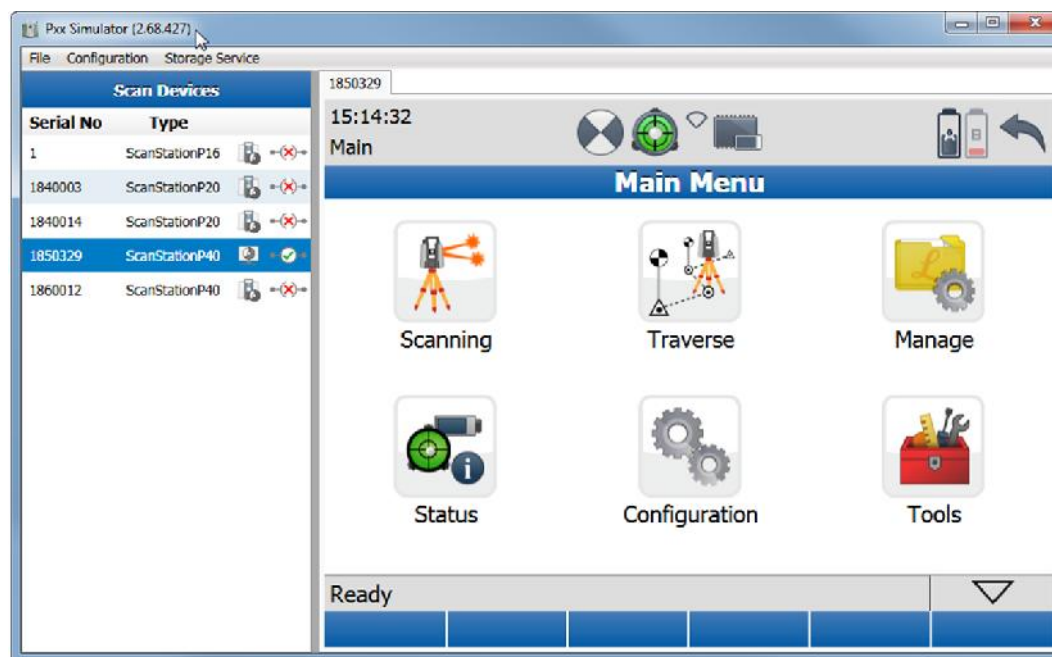




Leica ScanStation Pxx Pxx Simulator

v2.0

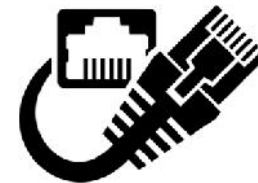
- when it has to be **right**

Leica ScanStation Pxx

Pxx Simulator

Prerequisite

- Leica ScanStation Pxx with FW 2.70 or higher installed
- Windows computer with Pxx Simulator installed
- Ethernet cable or WiFi connection



Leica ScanStation Pxx

Pxx Simulator



What it is

- **The Pxx Simulator is a free-of-charge, standalone tool to**
 - Simulate the control of a virtual scanner (e.g. for training purposes)
 - Control a physical scanner remotely via a Windows computer
 - Store scan data directly on the connected computer
 - Control multiple scanners in parallel via a Windows computer

Leica ScanStation Pxx Pxx Simulator



Where to download

- Download the installer from
 - Leica myWorld
 - USB stick delivered with the instrument

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ScanStation P30/40
Downloads of Software, Manuals, Tools, Training Material and News for ScanStation P30/40

Software for ScanStation P30/40

Release No. 2.5 Sort by: Defined Order ▾

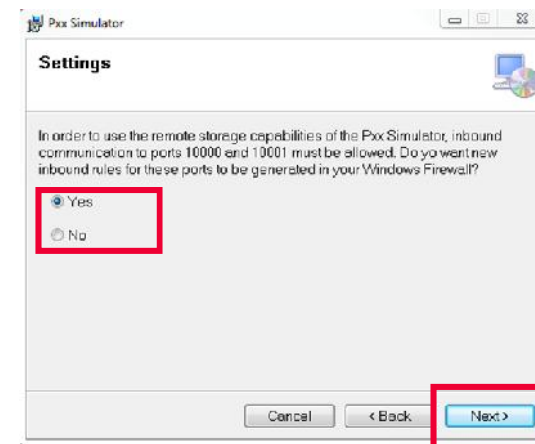
	ScanStation P30/P40 Firmware Official Firmware Upgrade including Release Notes.	V2.50 15.25 MB ZIP 07.01.2016	Download
	ScanStation P30/P40 Language Files Loadable file, which enables the user to switch the language of the instrument's user interface. Also referred to as system language.	V2.50 105 KB Chinese ▾	Download
	Leica ScanStation P30/P40 Simulator Installer for the ScanStation P30/P40 Simulator	V2.50 3.77 MB ZIP 07.01.2016	Download
	ScanStation P30/P40 Remote Control Pxx_RemoteControlCAB must be installed on the CS10/CS15 controller for wireless remote control of the ScanStation P30/P40.	V2.50 335 KB 07.01.2016	Download
	ScanStation P30/P40 Remote Control CS20 CS20 ScanStation Pxx_RemoteControlCAB must be installed on the CS20 controller for wireless remote control of the ScanStation P30/P40.	V1.30 331 KB 07.01.2016	Download

Leica ScanStation Pxx Pxx Simulator



Installation

- Unzip Pxx Simulator 2.70.yyy.zip
- Start Setup.exe
- Follow the instructions in the **Pxx Simulator Setup Wizard**
- Select **Yes** for inbound rules of port 10000 and 10001

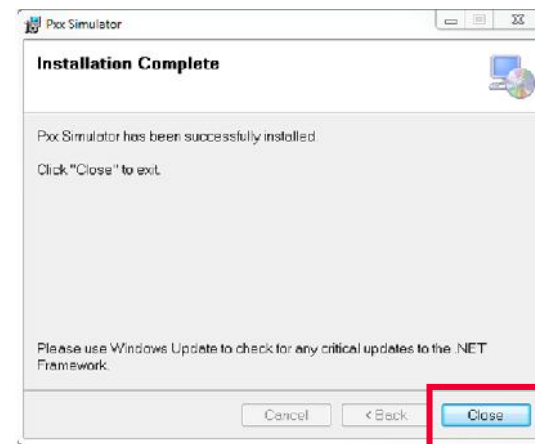
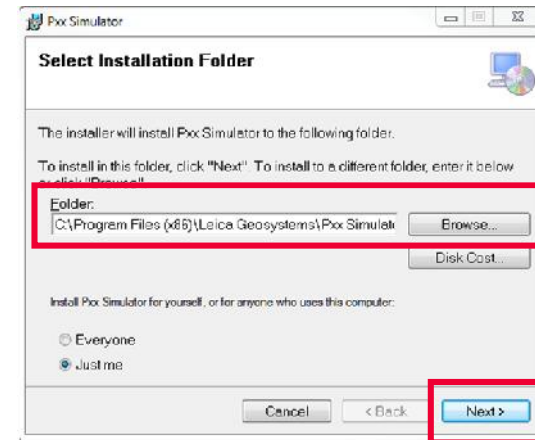
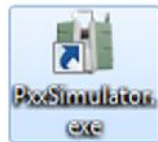


Leica ScanStation Pxx Pxx Simulator



Installation cont'd

- Select the folder for the installation
- Close the wizard after successful installation
- After installation a shortcut **Pxx Simulator.exe** is available on the desktop

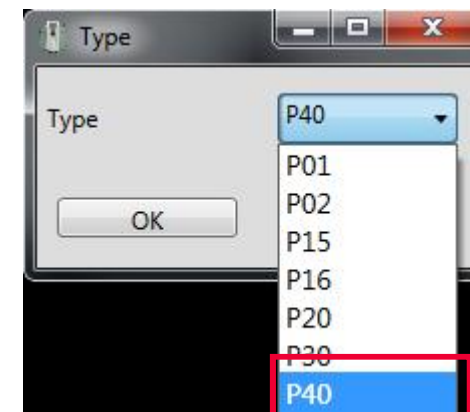
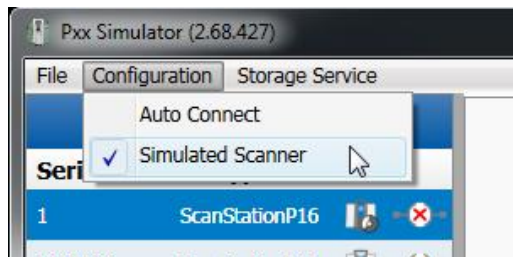
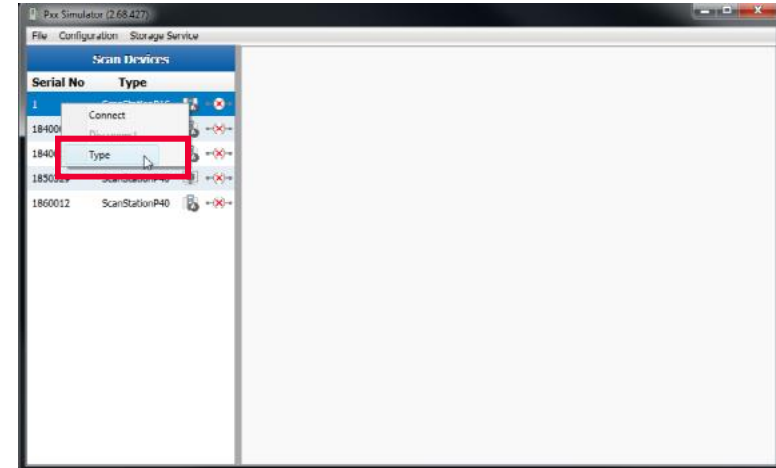


Leica ScanStation Pxx Pxx Simulator



Virtual scanner control

- Start the shortcut PxxSimulator.exe
- In **Scan Devices** panel right click on virtual scanner with serial number 1 and select **Type**
- In **Type** window select the scanner type of your virtual Pxx scanner
- Select **Configuration, Simulated Scanner** to hide/display the virtual scanner from/to the list of scanners in the **Scan Devices** panel

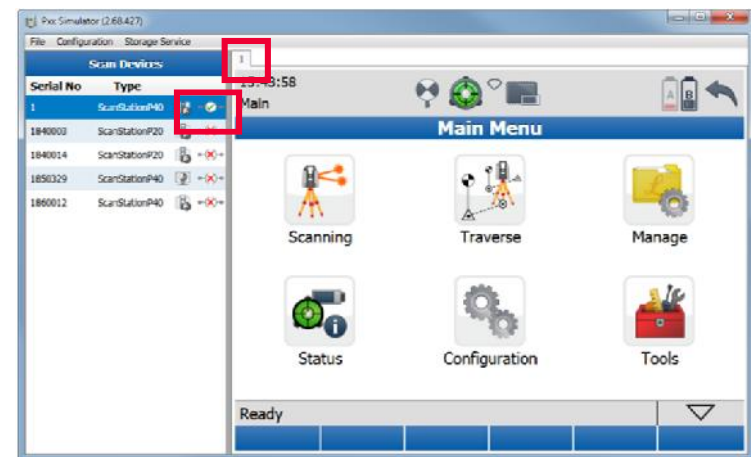
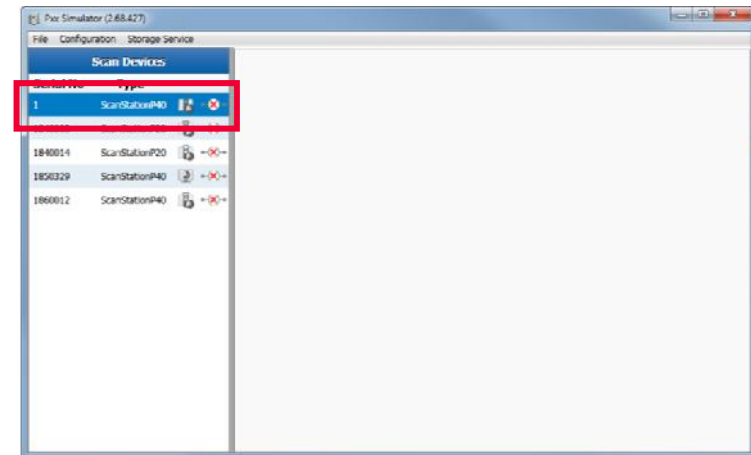
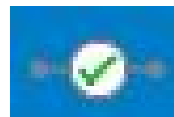


Leica ScanStation Pxx Pxx Simulator



Virtual scanner control cont'd

- In **Scan Devices** double click on the virtual scanner (serial number ≠ 18xxxxx)
- Or right click and select **Connect**
- Test the user interface of the virtual scanner without a physical scanner being connected
- Check for serial number in the tab and the connection status in the **Scan Devices** panel

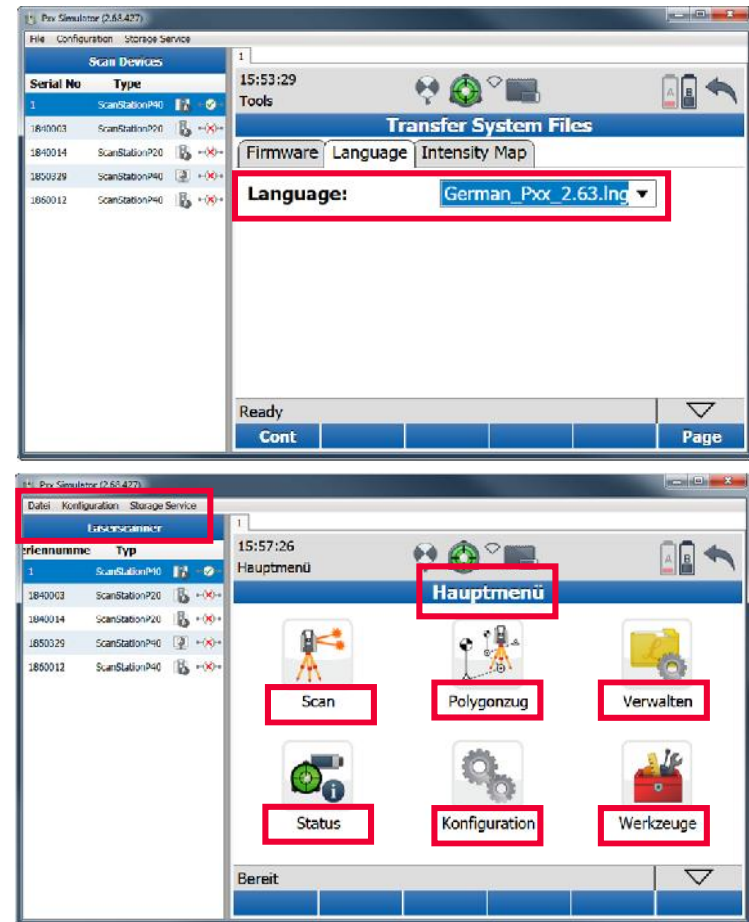


Leica ScanStation Pxx Pxx Simulator



Virtual scanner control cont'd

- Copy a language LNG file to C:\ProgramData\Leica.Scanning\Usb System
- In Tools, Transfer, SystemFiles select the Language in the Language tab and press Cont
- The MMI and commands of the simulator are then translated with the selected language



Leica ScanStation Pxx

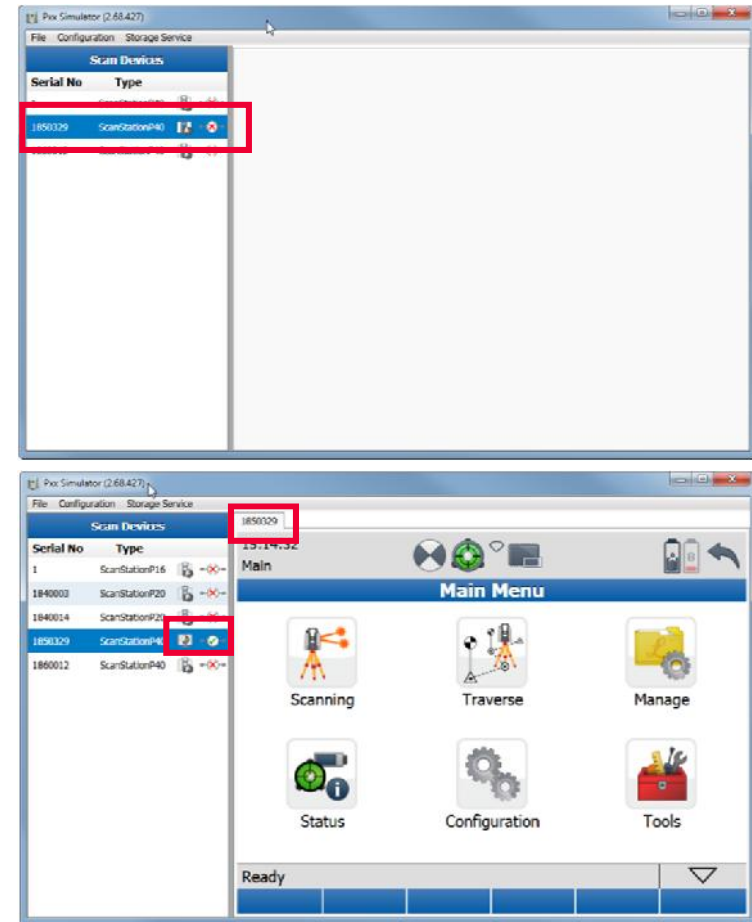
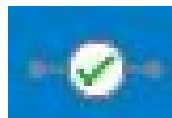
Pxx Simulator



Physical scanner control

- Connect to a physical scanner via Ethernet cable or WiFi
- Start the shortcut `PxxSimulator.exe`
- In **Scan Devices** double right click on the physical scanner with serial number `18xxxxx`
- Or right click and select **Connect**
- The user interface is now transferred from the onboard control to the simulator screen
- Check for serial number in the tab and the connection status in the **Scan Devices** panel

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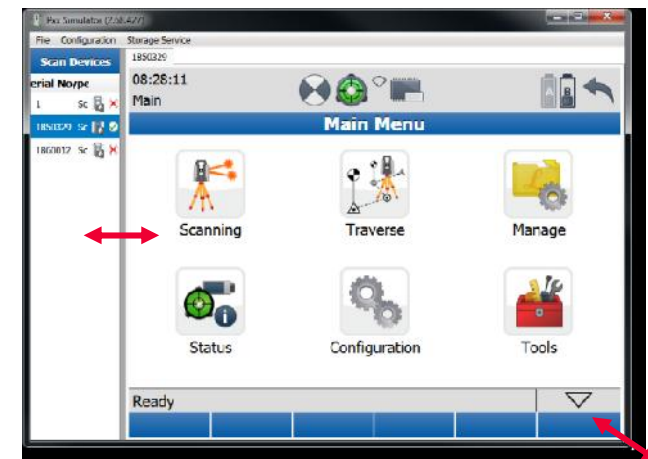
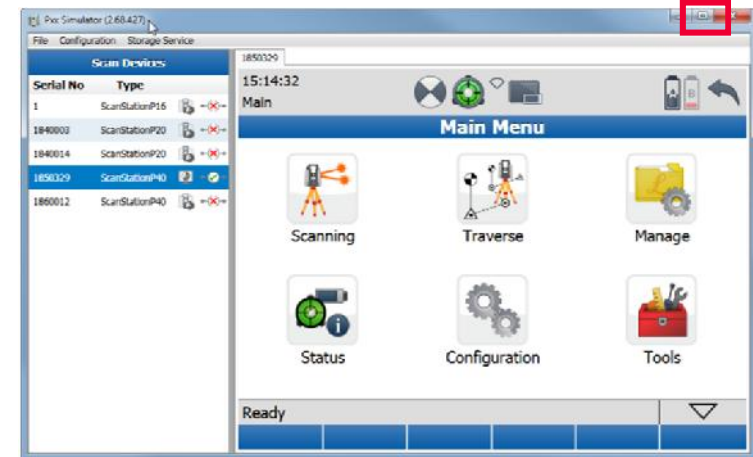


Leica ScanStation Pxx Pxx Simulator



Physical scanner control cont'd

- Control the connected scanner remotely via the simulator interface (same controls as with onboard screen)
- Enlarge the display to full screen resolution with the Enlarge button  or drag and change to any size
- Drag the vertical separator to change the size of the **Scan Devices** panel



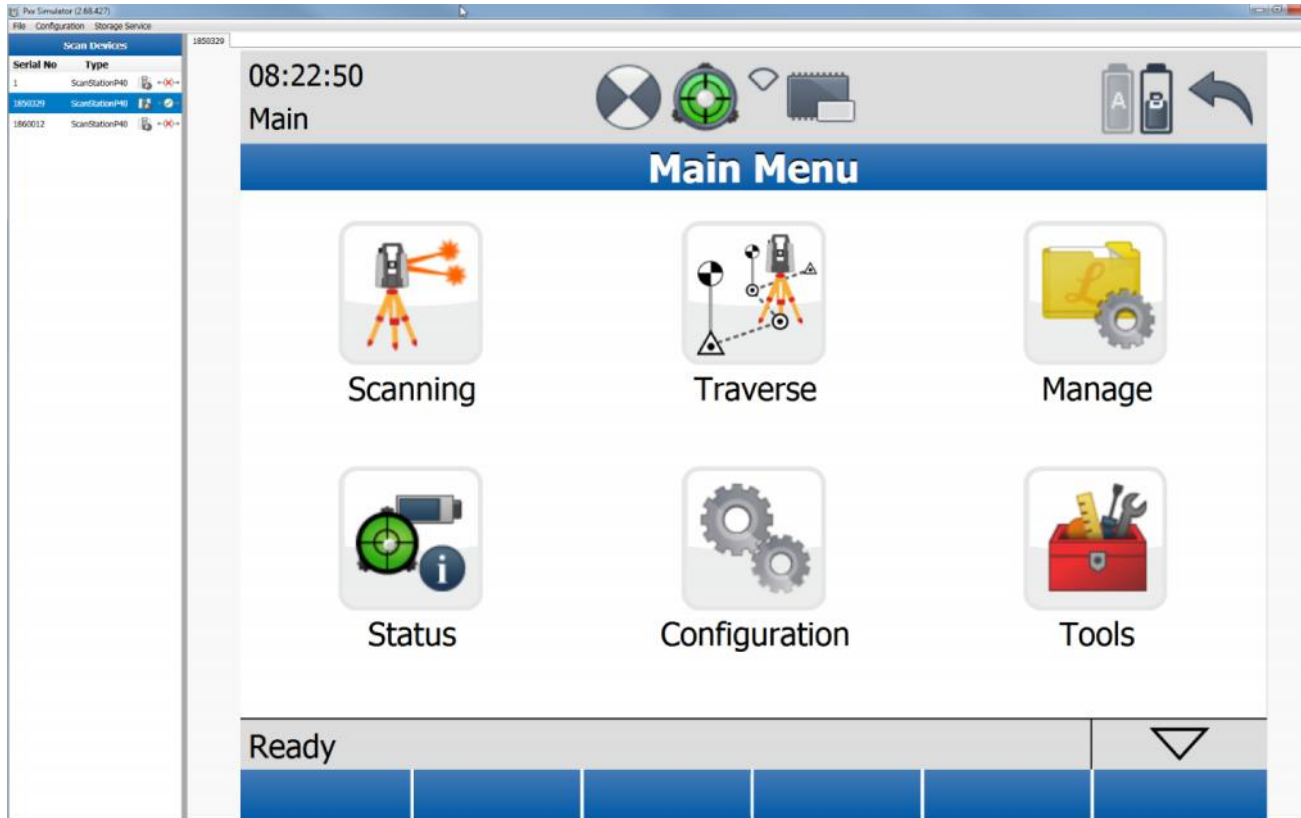
Leica ScanStation Pxx

Pxx Simulator

Physical scanner control cont'd



- Full screen display



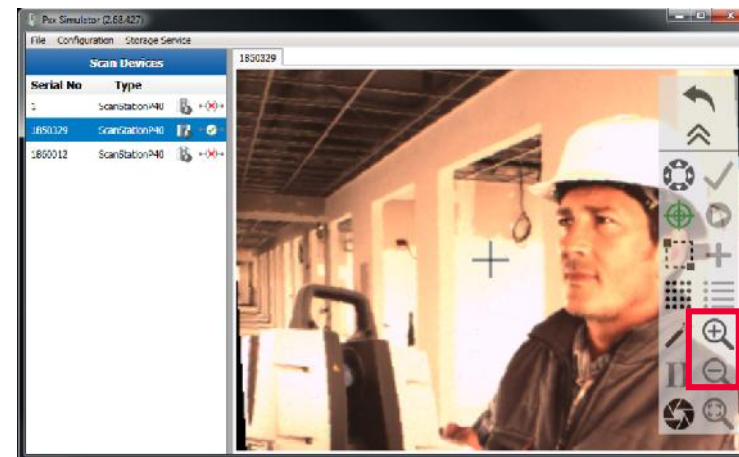
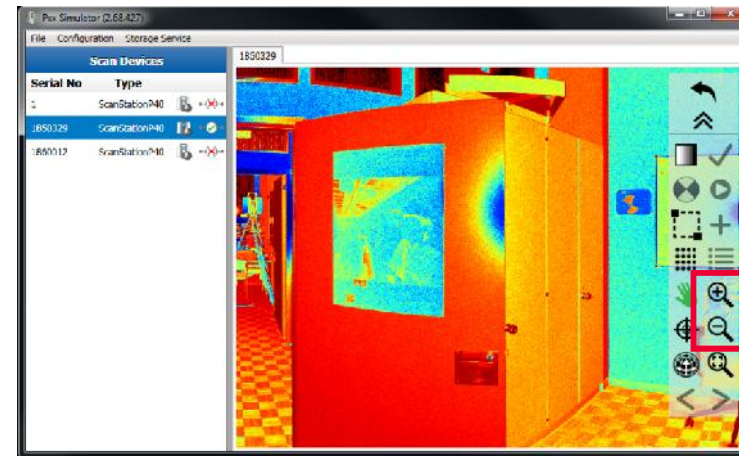
- when it has to be right

Leica ScanStation Pxx Pxx Simulator



Physical scanner control cont'd

- In the simulator screen use the mouse wheel to zoom in/out in a scan viewer
- In the simulator screen use the mouse wheel to zoom in/out in a camera viewer

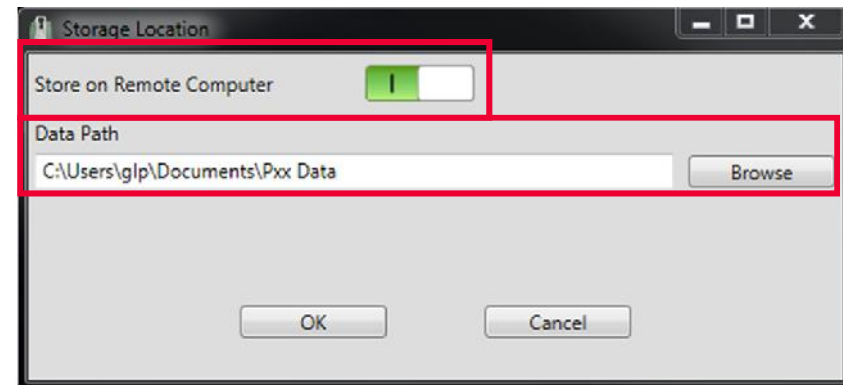
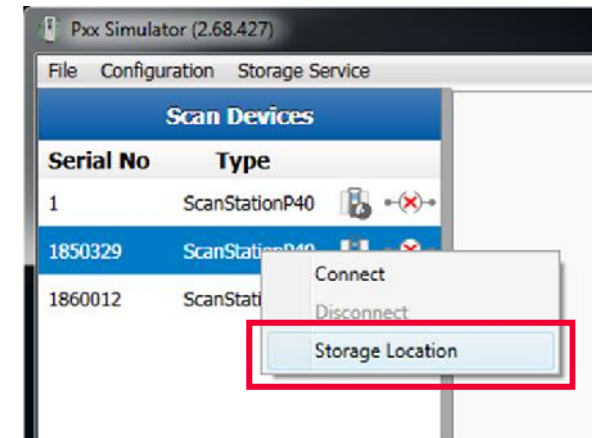


Leica ScanStation Pxx Pxx Simulator



Store scan data on remote computer

- Connect to a physical scanner via Ethernet cable or WiFi
- Start the shortcut PxxSimulator.exe
- In Scan Devices right click on a physical scanner and select Storage Location
- In Storage Location switch on Store on remote Computer and define the Data Path where to store the scan data
- All scan data is then streamed directly to the storage folder without any backup on the scanner's hard drive

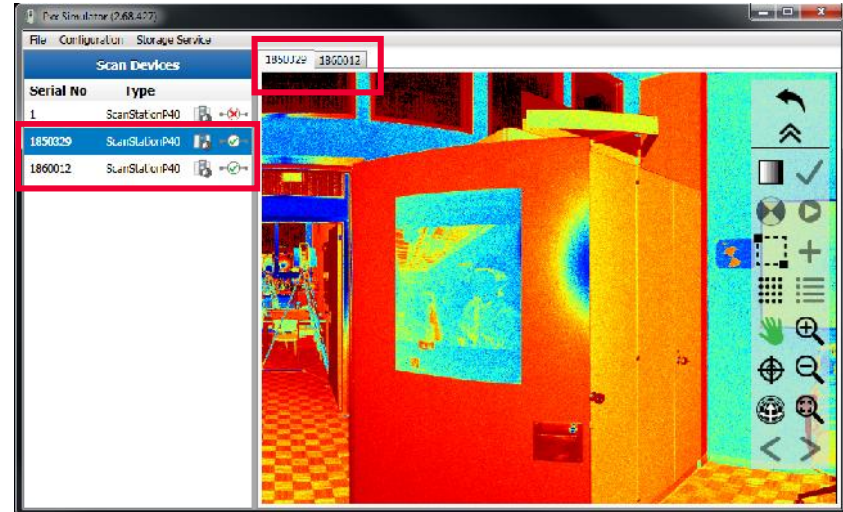


Leica ScanStation Pxx Pxx Simulator



Control multiple scanners in parallel

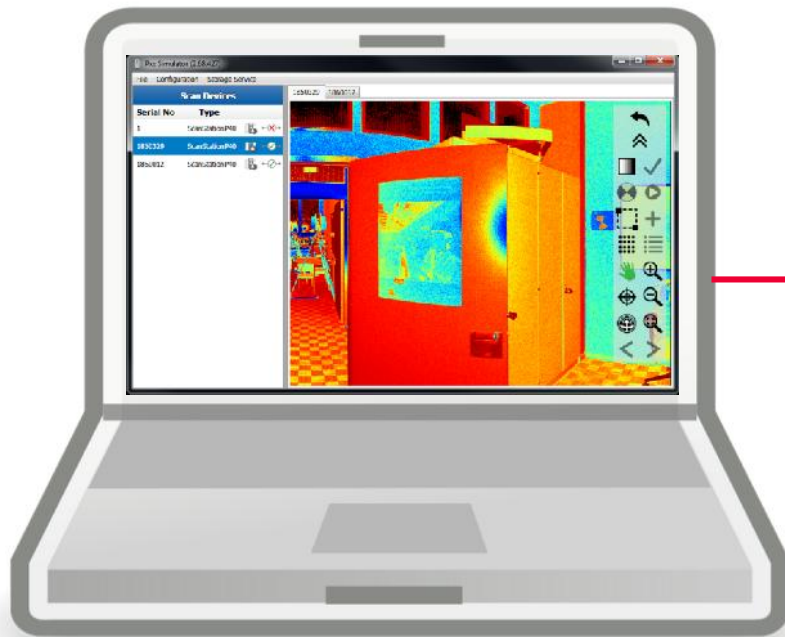
- Connect multiple physical scanner via
 - Server based network connection or
 - Direct connection via a switch
- Start the shortcut `PxxSimulator.exe`
- In **Scan Devices** connect multiple scanners
- Switch between connected scanners by clicking on the tabs with the serial numbers
- Data can be stored on
 - scanner  or
 - on remote computer 



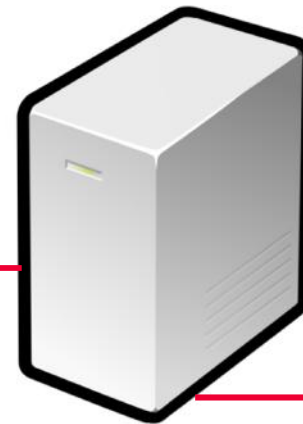
Leica ScanStation Pxx Pxx Simulator



Control multiple scanners in parallel (network connection)



Remote computer



Server



ScanStation Pxx
#18xxxxx



ScanStation Pxx
#18xxxxx



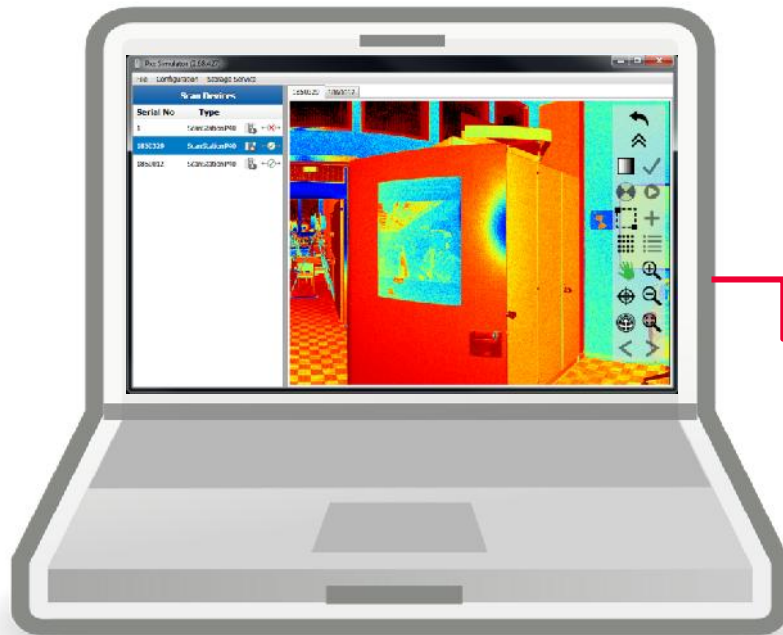
ScanStation Pxx
#18xxxxx

- when it has to be **right**

Leica ScanStation Pxx Pxx Simulator



Control multiple scanners in parallel (direct connection via switch)



Remote computer



Switch



ScanStation Pxx
#18xxxxx



ScanStation Pxx
#18xxxxx



ScanStation Pxx
#18xxxxx

- when it has to be **right**