

# ZEISS IOLMaster 5.5 / IOLMaster 500 cybersecurity update (“PrintNightmare”)



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Please note: This document does not replace the user manual which is delivered with the device.

## About the update

“PrintNightmare” is a vulnerability affecting Microsoft Windows operating systems. According to Microsoft, “a remote code execution vulnerability exists when the Windows Print Spooler service improperly performs privileged file operations. An attacker who successfully exploited this vulnerability could run arbitrary code with SYSTEM privileges. An attacker could then install programs; view, change, or delete data; or create new accounts with full user rights.”

“PrintNightmare” does not affect the safety and performance of the ZEISS IOLMaster 5.5 / IOLMaster 500. Nevertheless, ZEISS would like to offer you an update for your device to fix the “PrintNightmare” vulnerability.

## Required storage media

You will need an empty USB flash drive with at least 1 GB of storage capacity to download the update file to prior to installation.

## Preparation

- Download the following file to the root directory of your USB flash drive:
  - Zeiss-IOLMaster500-CVE-2021-34527-Patch.upt

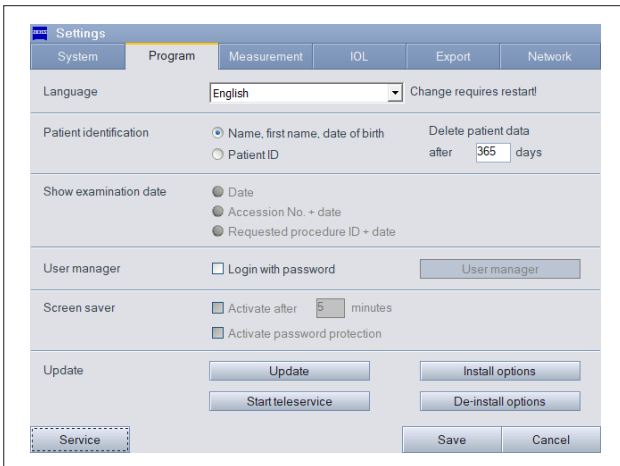
# How to update your ZEISS IOLMaster 5.5 / IOLMaster 500

The following instructions may differ slightly depending on your specific operating system. Steps shown here apply to systems running on Windows 10.

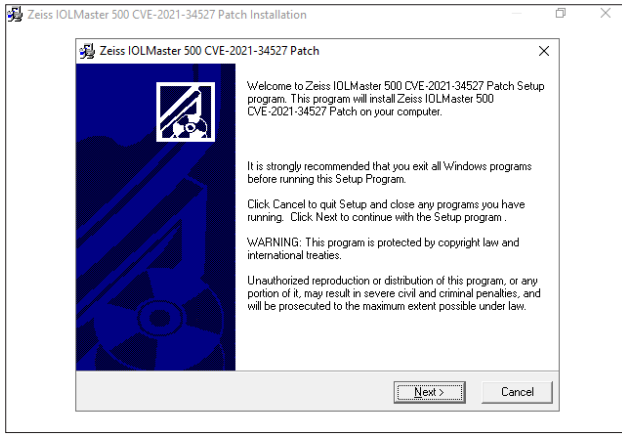
The entire update process takes about 45 minutes. Please proceed as follows to install the update.



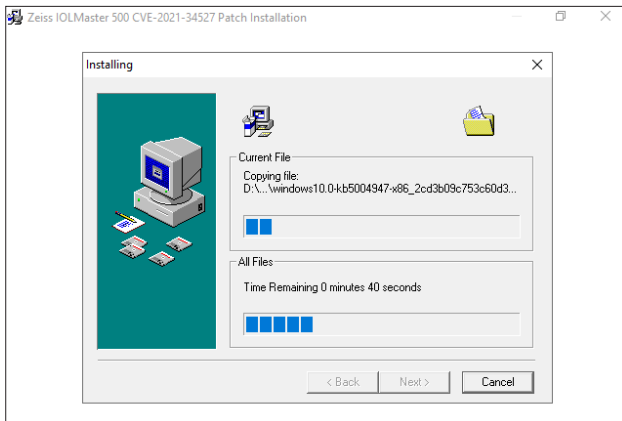
1. Disconnect any USB drives from the IOLMaster.
2. Connect the USB drive containing the software update file to the IOLMaster.



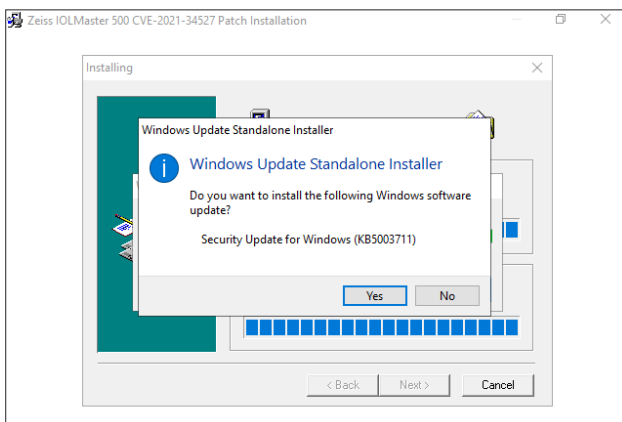
3. To start the update process, click on "Settings" > "Program" > "Update".



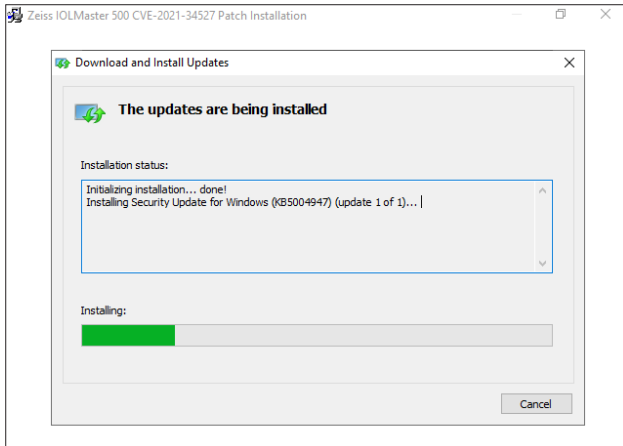
4. The update wizard starts. This takes about 3 minutes.  
Click "Next" once this screen is shown.



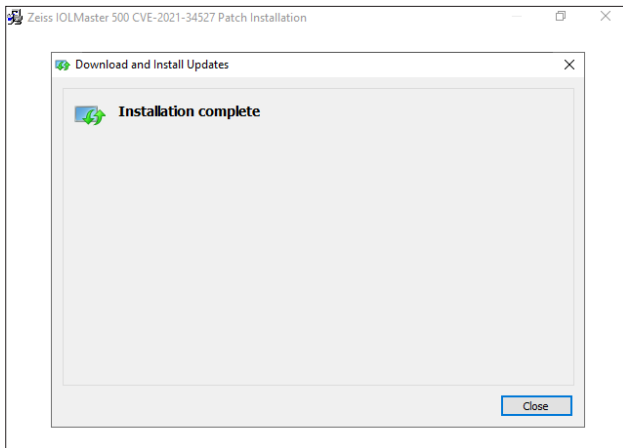
5. Files are copied. This also takes about 3 minutes.
6. The first part of the installation starts automatically.



7. When this dialog appears, click "Yes".



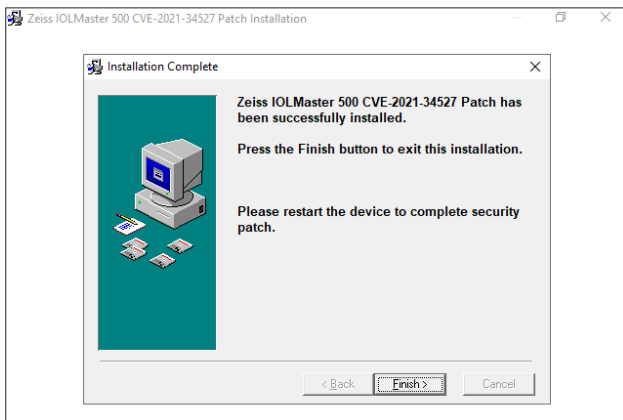
8. The installation continues.



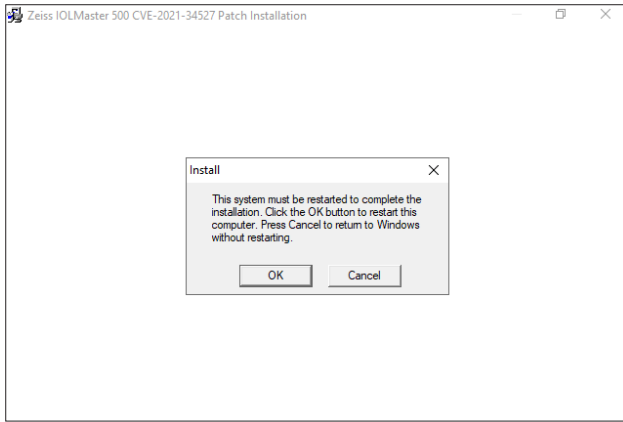
9. Once this step is complete, click "Close".

10. The second part of the installation starts.

11. Repeat steps 7 to 9.

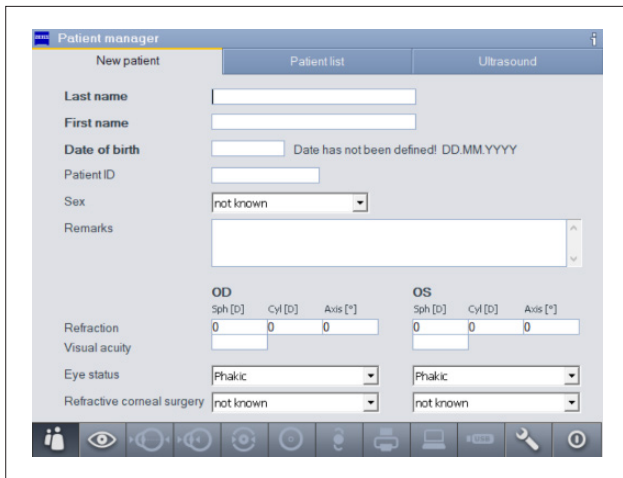


12. At the end of the second part of the installation, click "Finish".



13. The software update is now complete. Click “OK” to restart the IOLMaster.

14. The full restart will take about 10 minutes.



15. Once the IOLMaster has restarted and the “New patient” screen is displayed, the software update is successfully completed.

16. Disconnect the USB drive.

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