

RELEASE NOTES FOR PATHPILOT V2.14.1

February 2026

ENHANCEMENTS

All

- We added support for explicit units (like "inch", "in", or "mm") in conversational DRO fields. (PP-5252)
- We added an **Open** button for folders on the **File** tab, making it easier to navigate. (PP-4899)
- We simplified and clarified servo drive battery error messages on 1500MX and 770MX mills and 15LX lathes. (PP-5231)

Mills

- We changed the default M59 smoothing level for 1500MX mills to reduce machine vibration and noise during certain cutting operations. (PP-5072)

Lathes

- We added a bar puller subroutine to the **Subroutines** folder. (PP-4907)
- We improved the reliability of the turret setup procedure on 15LX lathes. (PP-5276)

FIXED ISSUES

All

We fixed issues where:

- Programs with M99 at the end failed to loop if the program also contained percent signs or O-word subroutine calls. (PP-5226)
- Programs with G83 raised an error if the drill depth was exactly at Z0. (PP-4986)

Mills

We fixed issues where:

- An error message ("May have lost spindle orient reference") was raised even in cases where the reference was still valid. (PP-5258)
- In some mill simulation configurations on PathPilot HUB virtual machines, the spindle didn't reach the expected speed which prevented program execution. (PP-5227)

- CAM-based probing macros had issues including calculation of circular bore and boss center location, incorrect feed rates in G21 mode, and starting positions in three-point bore and boss probing. (PP-5122)
- In G21 mode, some M59 settings were not applied correctly after set start line which caused slower-than-expected feeds on arc moves. (PP-5246)

Routers

We fixed issues where:

- On xsTECH Pro and 24R routers, tool changes and the **Go To TC Pos** button could fail in G21 mode. (PP-5207)
- In some rare cases, the **ATC** tab disappeared on xsTECH Pro routers, requiring a restart to access the tab again. (PP-5217)
- On xsTECH Pro routers, aborting the **Touch Off All Tools** process left the drawbar open. (PP-5216)

Lathes

We fixed issues where:

- On 15LX lathes, M19 commands sometimes caused the spindle to oscillate when approaching the orient location. (PP-5161)
- On 15LX lathes, the **Spindle SFM** and **Spindle RPM** DRO fields showed incorrect values in CSS mode. (PP-5215)
- On 15LX lathes, the Z-axis encoder temperature limit was too low, causing false overtemperature errors during extended rapid motion. We increased the temperature limit to prevent these errors. (PP-5294)

MANAGE PATHPILOT VERSIONS

You don't need to install updates sequentially. You can update from any previous version to the current version of PathPilot. Depending on what you want to do, refer to the following sections:

- "Download and Install an Update File from the Controller" (below)
- "Install an Update File from a USB Drive" (on the next page)
- "Install a Previous Version of an Update File" (page 5)

DOWNLOAD AND INSTALL AN UPDATE FILE FROM THE CONTROLLER

1. Confirm that the PathPilot controller is powered on and out of **Reset** mode.
2. Downloading and installing an update file requires an Internet connection. From the **Status** tab, confirm that the **Internet** button LED light is on. (To configure the network, select the LED light.) Then, select **Update**.

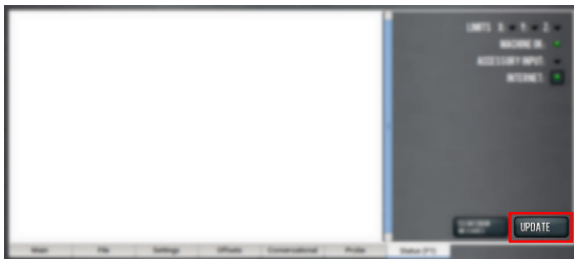


Figure 1: Update button on the Status tab.

3. From the **Software Update** dialog box, select **Check Online**.

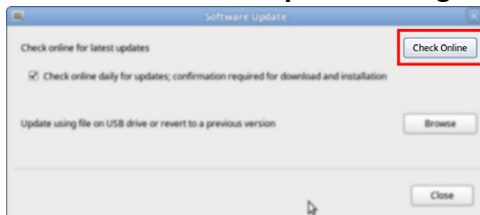


Figure 2: Software Update dialog box.

4. Select **Install**.

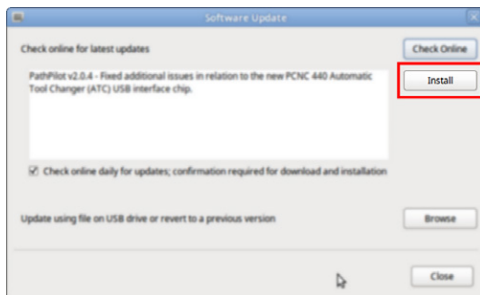


Figure 3: Install button on the Software Update dialog box.

The update file is downloaded, and a notification dialog box displays.

5. From the dialog box, select **OK**.
The update file is installed on the PathPilot controller.
6. Follow the on-screen instructions to restart the PathPilot controller.

INSTALL AN UPDATE FILE FROM A USB DRIVE

INSTALL AN UPDATE FILE FROM A USB DRIVE

1. From the [PathPilot support center](#), download the most recent PathPilot update file.
2. Transfer the PathPilot update file to a USB drive.
3. Put the USB drive into the PathPilot controller.
4. Confirm that the PathPilot controller is powered on and out of **Reset** mode.
5. From the **Status** tab, select **Update**.

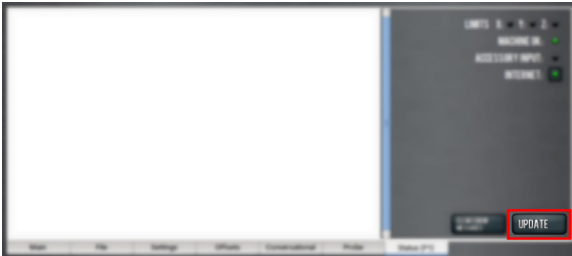


Figure 4: Update button on the Status tab.

6. From the **Software Update** dialog box, select **Browse**.

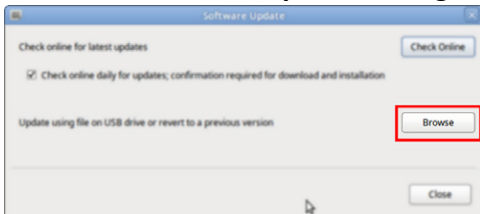


Figure 5: Software Update dialog box.

7. From the **Browse** dialog box, select **USB**.



Figure 6: Browse dialog box.

8. Select the desired update file, and then select **Update**.
The update file is installed on the PathPilot controller.
9. Follow the on-screen instructions to restart the PathPilot controller.

INSTALL A PREVIOUS VERSION OF AN UPDATE FILE

INSTALL A PREVIOUS VERSION OF AN UPDATE FILE

1. Confirm that the PathPilot controller is powered on and out of **Reset** mode.
2. From the **Status** tab, select **Update**.

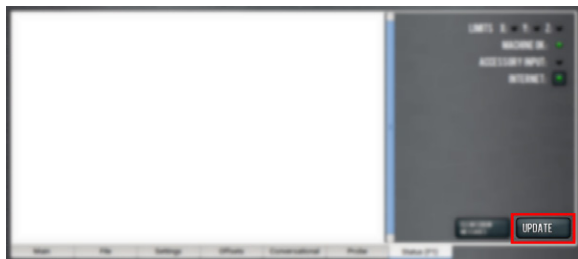


Figure 7: Update button on the Status tab.

3. From the **Software Update** dialog box, select **Browse**.

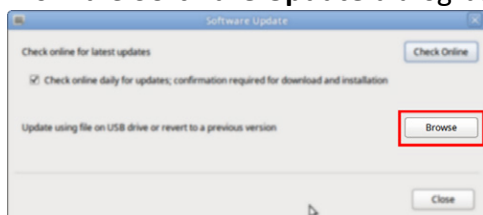


Figure 8: Software Update dialog box.

4. From the **Browse** dialog box, select **Previous Versions**.

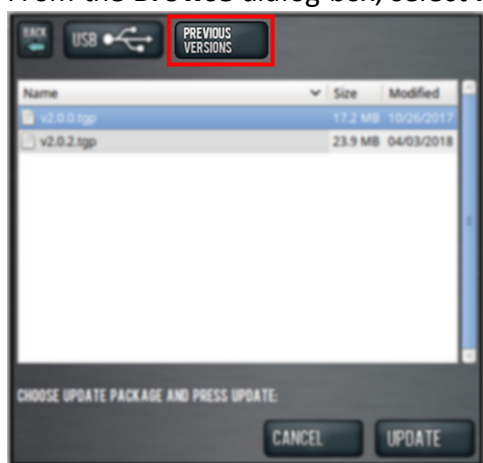


Figure 9: Browse dialog box.

5. Select the desired update file, and then select **Update**.
The update file is installed on the PathPilot controller.
6. Follow the on-screen instructions to restart the PathPilot controller.