

Program Updater Notes

ProgramUpdaterTool.exe

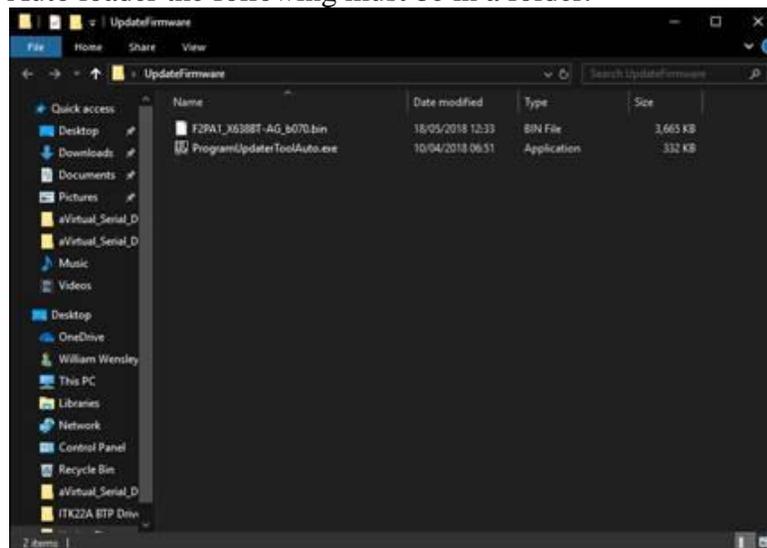
- 1 - This utility can copy files directly to a USB port or parallel port.
- 2 - The utility checks that the printer is READY (has paper etc.) and will not allow code to be loaded if the device/printer isn't ready.
- 3 – The firmware to be loaded can be selected when the application is running.

ProgramUpdaterToolAuto.exe

- 1 - This utility can copy files directly to a USB port or parallel port.
- 2 - The utility checks that the printer is READY (has paper etc.) and will not allow code to be loaded if the device/printer isn't ready.
- 3 – The firmware to be loaded must be located in the same folder as the ProgramUpdaterToolAuto.exe

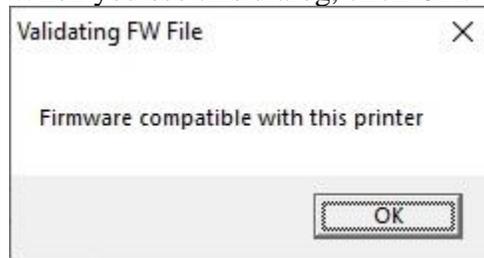
Instructions for use:

- 1) To use Auto loader the following must be in a folder.

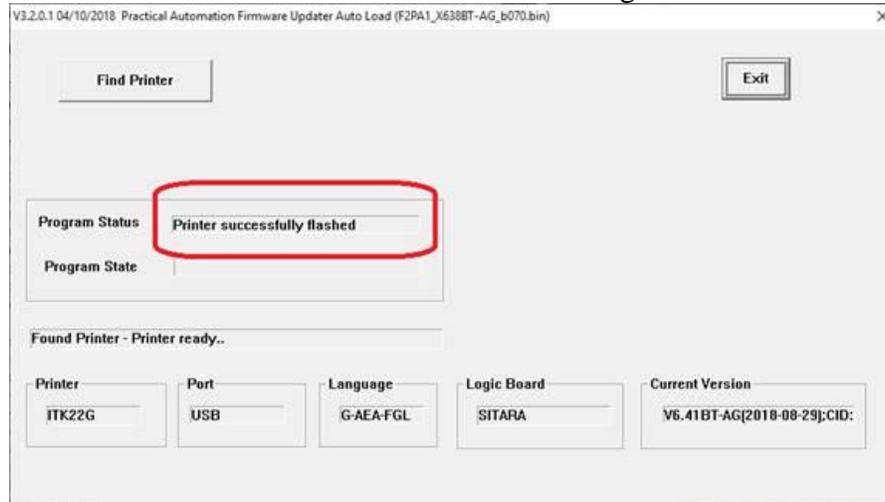


- a. ProgramUpdaterToolAuto.exe
 - b. Firmware file compatible with the connected printer.
- 2) Restrictions:
 - a. Software needs to be run with elevated permissions.
 - b. Only 1 PA printer is allowed to be connected.
 - c. Only 1 firmware file is allowed in the folder.
 - 3) Instructions:
 - a. Run “ProgramUpdaterToolAuto.exe”. This will search for the printer and load the relevant firmware. In this example the application will load firmware version 6.38 into an ITK22.

- b. When you see this dialog, click OK.



- c. And Wait until the firmware has finished loading



- d. When the software has finished loading, you can close the dialog.

Updates

V4.0.2.2 09/28/2022

Requirements

- Small bugfixes.

Change Summary:

- Bugfix release

Changes:

- Added entries for ITK38 LBII.
- Fixed issue preventing some printers from being detected.

V4.0.2.1 03/14/2022

Requirements

- Update rules for various ITK1xA releases.

Change Summary:

- Added firmware validation for ITK1xA printers during firmware selection.

Changes:

- Added firmware validation for ITK1xA printers during firmware selection.

V4.0.1.3 08/28/2020

Requirements

- Update rules for various ITK1x releases.

Change Summary:

- Added firmware validation for ITK1xG printers during firmware selection.

Changes:

- Added firmware validation for ITK1xG printers during firmware selection.

V4.0.1.2 02/06/2020

Requirements

- Update rules for various ITK1x releases.

Change Summary:

- Changed ITK1xG firmware loading rules to match driver release version 6.0.1.1.
- Changed handling to resolve Windows 10 issue when printer is not attached.

Changes:

- Fixed load library issue
- Changed ITK1xG force overrides
- Added ITK1x adjustable support (instead of moveable)
- Added code to ensure ports are NOT changed when printer is not connected. This resolves an issue with Windows 10 where the USB port is unassigned when no printer driver is using the port.
- Removed compilation warning
- Added version manifest
- Updated signing signature.

V4.0.1.1 02/10/2020

Requirements

- Implement rules for various ITK1x releases.

Change Summary:

- Implement rules for gap (moveable sensor), presenter and standard variations of firmware.

Changes:

- Changed rules to ensure firmware file name check takes into account the variations of gap, presenter and standard firmware's available.

V4.0.0.2 12/05/2019

Requirements

- Need to update firmware even if Ticket-Not-Taken is set.

Change Summary:

- Change the printer ready check to exclude Ticket-Not-Taken and Dispose-Toggle.

Changes:

- Changed the isPrinterReady function check to exclude Ticket-Not-Taken and Dispose-Toggle.

V4.0.0.1 09/05/2019

Requirements

- Adding support for loading firmware into ITK12 and ITK13.

Change Summary:

- These printers use a different command set and needed to be implemented.

Changes:

- ProgramUpdaterTool.exe is now signed.
- Added Application Window extended window style to ensure application is visible in the taskbar.
- Fixed an issue where ports might not be restored from FILE.
- Added support for ITK12 and ITK13 firmware. With the following naming standard requirements:

Filename: 830PrnR2_*x*dy_*vm*_*nn*.bin

- Where:
- *x* = dpi
 - 2 – 200dpi
 - 3 – 300dpi
-
- *y* = Installed Sensor Type
 - s – Standard sensor
 - m – Moveable sensor
-
- *m* = Major version number (e.g. 0 in 0.99)
-
- *nn* = Minor version number (e.g. 99 in 0.99)
-
- Examples of valid file names as checked by programupdater.exe. These checks are case-sensitive.
 - *830PrnR2_2ds_v0_99*.bin (200dpi – Standard Sensor)
 - *830PrnR2_3ds_v0_99*.bin (300dpi – Standard Sensor)
 - *830PrnR2_2dm_v0_99*.bin (200dpi – Moveable/Gap Sensor)
 - *830PrnR2_3dm_v0_99*.bin (300dpi - Moveable/Gap Sensor)

Known Issues:

- Windows 10 1903 removes USB00x ports for offline/not connected devices from the ports list that are no longer assigned to a printer. This can make it more difficult to revert printers that are offline from FILE back to USB00x.

V3.3.0.1 11/15/2018

Requirements

- Zero Length Packet support in printer and driver can cause issues.

Change Summary:

Fixed problem caused by using the zero length packet support in printer and driver. Also the issue caused when ports are not restored to the printer if the application is unable to retrieve printer status.

Changes:

- Fixed issue caused by driver enabling Zero Length Packet support in printer. This caused the status to not be read back.
- Fixed issue where ports aren't restored if status cannot be read from printer.

v3.2.0.1 04/10/2018

- Adding support for automatically upgrading from folder. Requires:
 - o exe to be named *auto.exe.
 - o 1 firmware file located with exe
 - o 1 compatible PA printer connected
- Fixed restore ports causing crash issue
- Added ITK22A and ITK22F to supported printers list
- Updated manifest to require UAC administrator permission

v3.1.0.1 12/15/2016

- Adding support for AEA and Sitara (ITK22A) processor

v3.1.0.0 12/13/2016

- Removed the need for hardcoded symbolic links

v3.0.0.2 20/26/2016

- Fixed some uninitialized variables issues

v3.0.0.1 10/24/2016

- Removing some compilation warnings
- Changed text from ITK-22G to ITK22G

v3.0.0.0 10/06/2016

- Updated to VS2013
- Added support for ITK22G (LCT) and ITK22A (LCT)

v2.26 09/27/2016

- Imported Released Version into SVN source control