



App Note xxx

How to update the PulseWorx Gateway to a new version of firmware

Step 1: Use UPStart to get started with the PulseWorx Gateway

UPStart, the UPB configuration program, uses the PulseWorx Gateway as an interface to the power line for control and configuration of any UPB device. Before beginning, you should be familiar with UPStart and the PulseWorx Gateway. The user guides for UPStart and the Gateway are available from the PCS support web site.

UPStart Users Guide

http://pcslighting.com/resources/PulseWorx/Installation/UPStartUsersGuide_8_1.pdf

Gateway Quick Start Guide

<http://pcslighting.com/resources/PulseWorx/Installation/PGWQuickStartGuidev1.1.pdf>

Gateway User Guide

<http://pcslighting.com/resources/PulseWorx/Installation/GatewayUserGuide1.5.pdf>

If you have a background in automation systems like URC, Control4, or RTI but are new to UPB, here is an application note that can help:

http://www.pcslighting.com/resources/PulseWorx/Software/PWX_201_Starting_With_UPStart.pdf

You will need the latest UPStart version. It can be downloaded from the PCS website.

Software: UPStart

- [UPStart Version 8.3 Build 13 for Windows 7, 8, and 10](#)



Step 2: Update the PulseWorx firmware to version 1.11

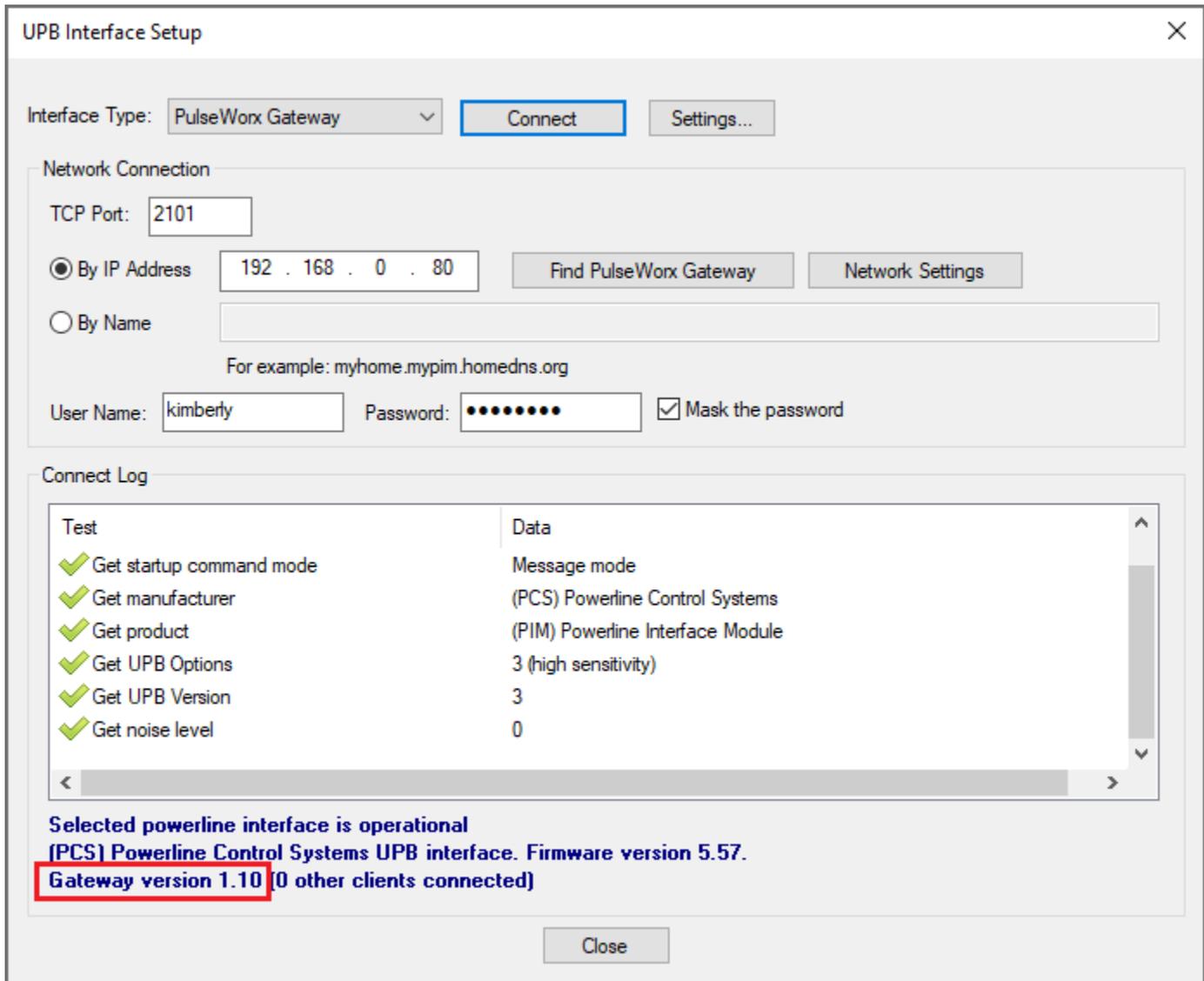
For the Gateway to support the drivers for automation systems (URC, Control4, RTI) it must contain version 1.11 or later of the Gateway firmware. To see what version of the firmware is in your Gateway, start UPStart and press the *Configure* button in the *Network* ribbon category, *Powerline Interface* panel. Then press the *Connect* button:



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The Gateway firmware version is shown in blue text. The image above shows this Gateway is using the 1.10 firmware.

If your Gateway is using a version earlier than 1.11 it is easy to update. First download from the PCS Support website a zip file containing the new firmware files.

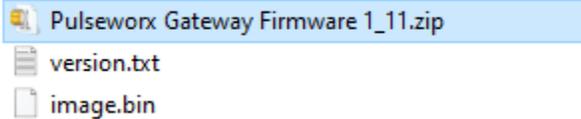
www.pcslighting.com/resources/PulseWorx/PulseworxGatewayFirmware_1_11.zip

Put this zip file in a folder in your documents area and then unzip it. Two files are extracted:

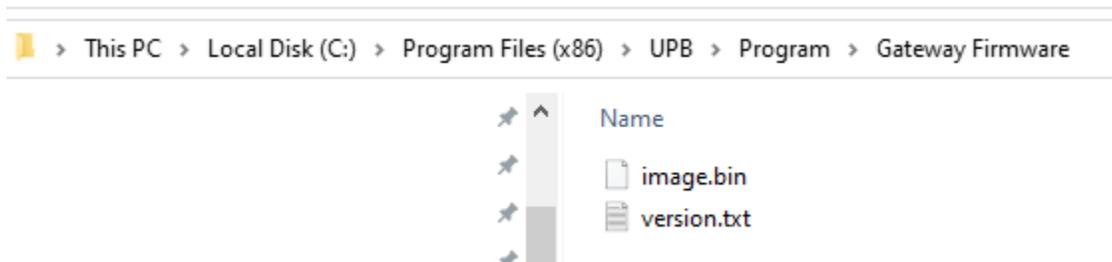


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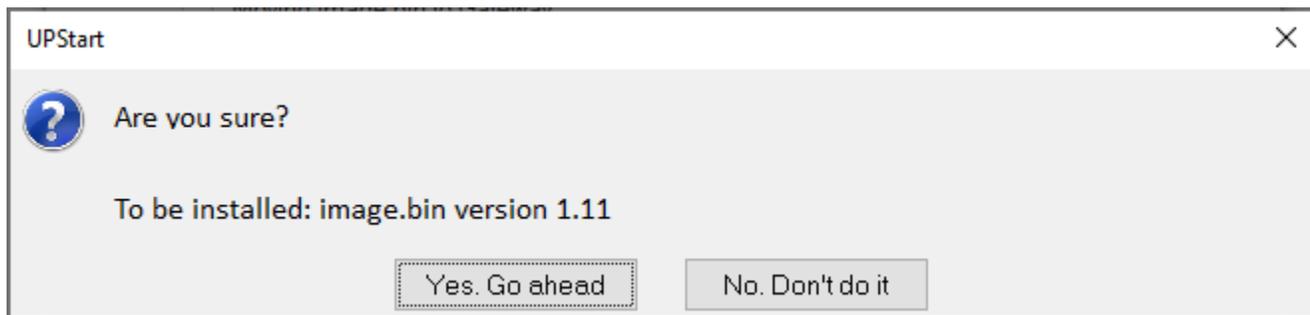
Move the image.bin and version.txt file to the UPStart installation *Gateway Firmware* folder replacing the existing files with the same name in that folder. If you are using Windows 10, and accepted the default installation location when you installed UPStart on your computer, that would be here:



Windows may complain about the file being overwritten and complain that it is in a protected space on your computer. Allow the operation to be completed.

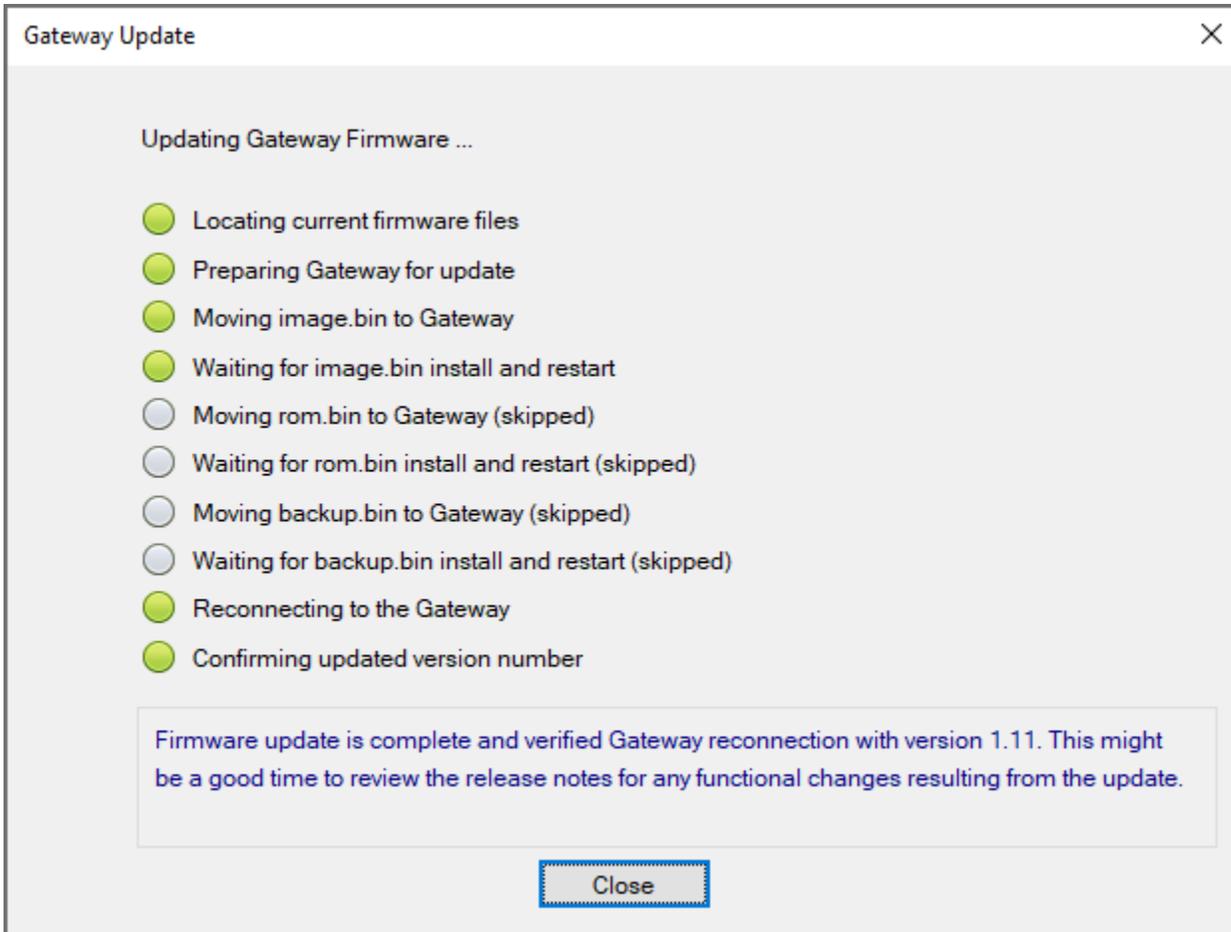
Next, Start UPStart and after connecting to the Gateway, select from the *PulseWorx Gateway* ribbon category the *Firmware Update* button in the *Advanced* panel. An informational popup appears that you can read and dismiss.

After the informational popup this appears:



If it doesn't show 1.11 go back and check that you moved the correct image.bin and version.txt files extracted from the zip file to the correct location.

Allow the firmware update to complete. It will take several minutes.



NOTE: This process uses Windows FTP to move the files to the Gateway. This works in almost all cases but there are some networks where it just doesn't allow FTP to proceed probably due to some firewall. If the updates fails, please contact PCS Support for assistance.

##end##