



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 <u>http://pcslighting.com/resources/PulseWorx/Installation/UPStartUsersGuide 8 1.pdf</u>

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 RTIbut 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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JPB Interface Setup	\times
Interface Type: PulseWorx Gateway V Connect Settings	
Network Connection	
TCP Port: 2101	
By IP Address 192 . 168 . 0 . 80 Find PulseWorx Gateway Network Settings	
O By Name	
For example: myhome.mypim.homedns.org	
User Name: kimberly Password: •••••• Mask the password	
Connect Log	
	-
Test Data	
Get startup command mode Message mode	
Get manufacturer (PCS) Powerline Control Systems	
Get product (PIM) Powerline Interface Module	
Get UPB Options 3 (high sensitivity)	
✓ Get UPB Version 3	
✓ Get noise level	
Selected powerline interface is operational	
PLS Powerline Control Systems UPB interface. Firmware version 5.57.	
Close	

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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Name
Pulseworx Gateway Firmware 1_11.zip
version.txt
📄 image.bin

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:

UPStar	t	×
?	Are you sure?	
	To be installed: image.bin version 1.11	
	Yes. Go ahead No. Don't do it	

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.









Gateway Update	×
Updating Gateway Firmware	
Locating current firmware files	
Preparing Gateway for update	
Moving image.bin to Gateway	
Waiting for image.bin install and restart	
 Moving rom.bin to Gateway (skipped) 	
 Waiting for rom.bin install and restart (skipped) 	
 Moving backup.bin to Gateway (skipped) 	
 Waiting for backup.bin install and restart (skipped) 	
Reconnecting to the Gateway	
Confirming updated version number	
Firmware update is complete and verified Gateway reconnection with version 1.11. This might be a good time to review the release notes for any functional changes resulting from the update.	
Close	

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##



