

GLP impression X5 Firmware V2.0.1 - Update Guide

impression X5 (X5-19)



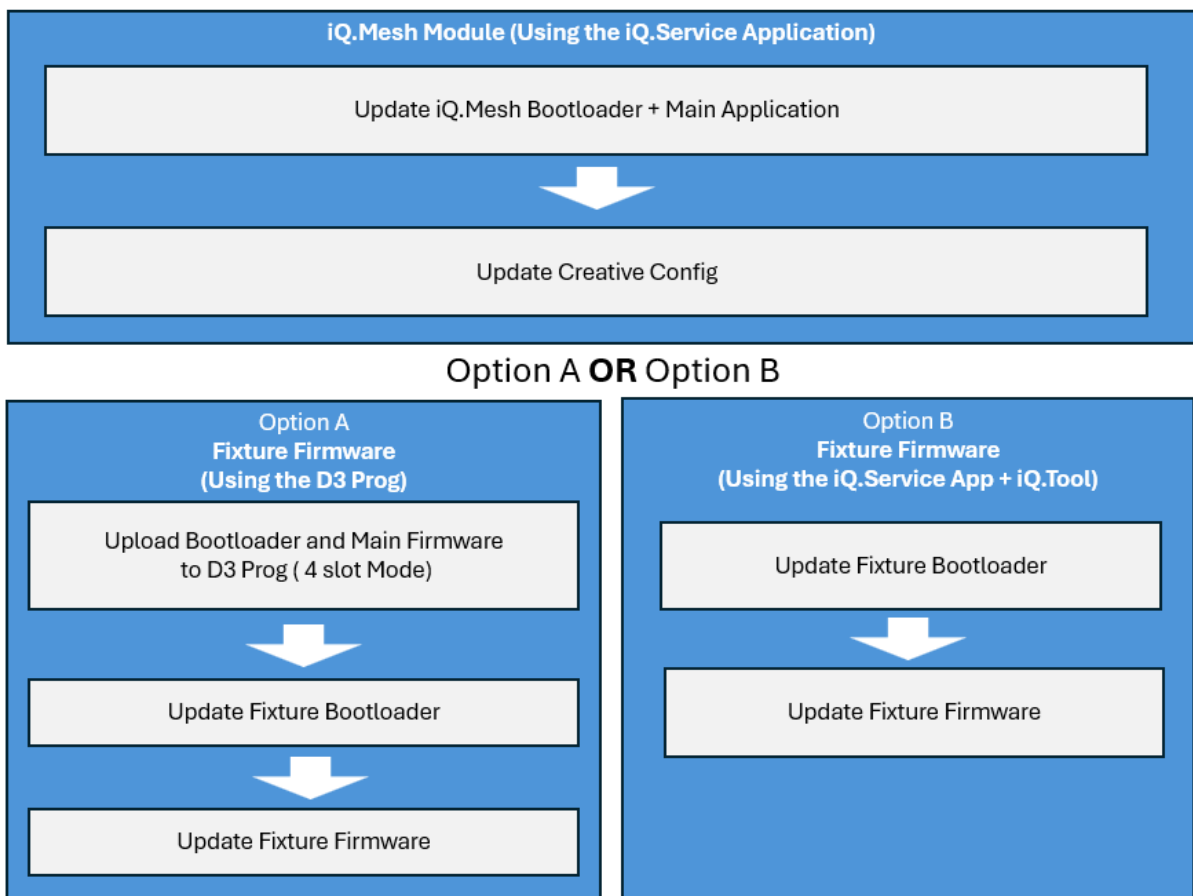


Introduction

The V2.0.1 Firmware Package adds several new features to the X5 series, for detailed list see the Firmware log. New features include:

- sACN Implementation
- Increased iQ.Mesh functionality (using the IQ control app coming soon)
- CRMX (in fixtures with CRMX cards installed).

To achieve this, an update of both iQ.Mesh Module and Fixture Firmware is required. For the later, either the GLP D3Prog Updater or the GLP iQ.Tool (if available) is required.



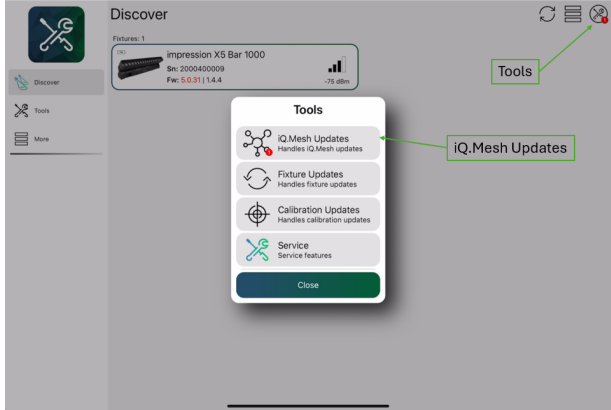
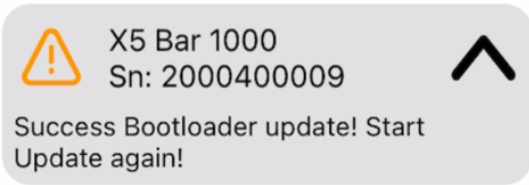
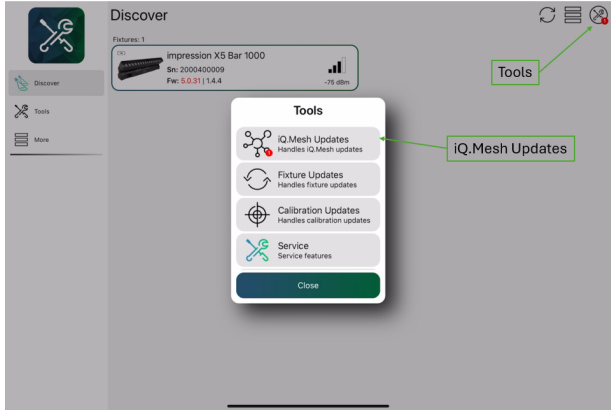
The iQ.Service App can be downloaded in the IOS, Android and Windows Stores using the QR Codes Below





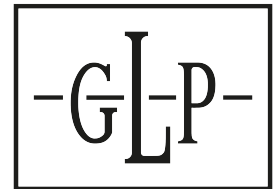
Part 1 - Updating iQ.Mesh Module

This process should be Done on all Devices

	Description	Image
1	<p>Update the iQ.Mesh Bootloader</p> <p>i. Ensure iQ.Mesh is Enabled on the fixtures. This can be done in the Fixture Menu or via the Control Channel on a console.</p> <p>ii. Open the iQ.Service App on your phone or Tablet and discover all the devices</p> <p>iii. Select tools in the upper right corner, then iQ.Mesh Updates. Follow the Instructions.</p> <p>iv. The application will now update the IQ Mesh Bootloader of all discovered fixtures.</p>	
2	<p>Update the iQ.Mesh Firmware (5.3.35)</p> <p>Once the bootloader has been updated the App will display this message.</p> <div data-bbox="231 1209 762 1393">  </div> <p>Repeat the process:</p> <p>i. Select tools in the upper right corner, then iQ.Mesh Updates. Follow the Instructions.</p> <p>ii. The Application will now update the iQ.Mesh Firmware to 5.3.35</p>	



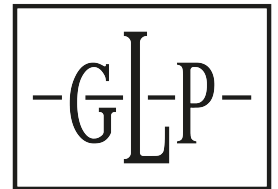
	Description	Image
3	<p>Update the Creative Config</p> <p>i. Click on the Tool Icon then Creative Manager</p> <p>ii. The application will now update the Creative Config File</p>	A screenshot of the 'Discover' application interface. The main screen shows a device named 'impression X5 Bar 1000' with its serial number 'Sn: 2000400024' and firmware version 'Fw: 5.3.35 1.4.5'. A 'Tools' menu is open, listing options: 'Calibration Updates' (Handles calibration updates), 'Creative Manager' (Manages Creative Configs), 'Service' (Service features), and 'Info Manager' (Gathers all fixture infos). The 'Creative Manager' option is highlighted with a green box and a green arrow. Another green box labeled 'Tools' points to the 'Tools' menu icon in the top right corner of the app.
4	<p>You have now updated the iQ.Mesh Module in your devices</p>	



Part 2 (Option A) - Fixture Firmware via D3 Prog

⚠ Please make sure that no other DMX receivers or consoles are active. Ensure fixtures Control Protocol is set to DMX and do not to loose power during the update process! As the files for the upload are very big, please allow the PA transfer App a little time for the transfer and all responses. During and after transfer of the Bootloader to the fixtures, some fixtures may have their displays off. Please give them another 5 minutes after the transfer from the D3Prog to the fixtures for the internal transfer of the bootloaders to the PCBs and then start with the main application update.

	Description	Image
1	<p><i>As the fixture files are very Large ensure your D3 Prog is in 4 Slot Mode</i></p> <p>Upload the following files to the D3 Prog (using the PA windows application)</p> <p>File 1 : Impression-X5 2.0.1 BOOTDMX .BIN</p> <p>File 2 : Impression-X5 2.0.1 DMX.BIN</p> <div> <p>i The transfer of the bootloader from PC to the programmer takes about 3 minutes.</p> <p>The transfer of the main software from PC to programmer takes about 10 - 15 minutes.</p> </div>	<p>The screenshot shows the D3PROG software window. At the top, there's a menu bar with 'File', 'Prog/Read', 'Transfer file', 'Prog Update', 'Help', and 'German/English'. Below the menu, there's a list of ports: P:1 -> Impression-X5 BL 2.0 / Vers.: 2, P:2 -> Impression-X5 2.0.0 / Vers.: 2, P:3 -> Empty, and P:4 -> Empty. There are buttons for 'Load file list' and 'Erase all 16 files'. A red status bar at the top right says 'Vers.: 6.21'. Below this, there's an 'Info' section with details: File name: C:\Users\lg...Impression-X5_2.0.0_BOOTDMX.bin, Type of file: Bin - file, Processor: Generic CPU 1MB (File Info), Size of memory: 1048576 Bytes, Fuse set: --, Data in buffer: 146743 Bytes, Data - info: Impression-X5 BL 2.0.0 <Vers.: 2>, Port - info: USB <-> D-PROG, Type of Progr.: D-Prog. / 8 MByte / 4 / Vers.: 49, and Status - info: .</p>
2	<p><i>Connect the D3 Prog to the Fixtures via DMX (Daisy Chain possible)</i></p> <p>Push file: Impression-X5_2.0.1_BOOTDMX.bin from D3 Prog Via DMX.</p> <p>This will need about 1 minute transfer time from D3Prog onto the fixtures and another 1 to 5 minutes for the internal updates</p> <div> <p>i During this step the display can go into black out.</p> <p>In this case, wait 5 minutes after the black out before proceeding. The fixtures will turn on their displays again, after or during the next step.</p> </div>	<p>The image shows a blue LCD screen on a black fixture. The screen displays 'BOOTLOADER' in large white letters, followed by 'Awaiting user-initiated DPROG update' in smaller white letters. At the bottom, it says 'Bootloader Version: 1.2.0'.</p> <p>1 Once the bootloader update is complete the fixture display should look like this</p>



	Description	Image
4	<p>Push file: impression-X5_2.0.1_DMX.bin from D3 Prog Via DMX.</p> <ul style="list-style-type: none"> • The transfer will need about 5 minutes to the fixture. • Then the internal distribution will need another 2 - 3minutes. • After this the fixture will reset and upload LED calibration onto the LED drivers. (A red error will be shown during this). This can take another 1 minute depending on the fixture type. 	
5	<p>Congratulations your X5 Fixtures are now up to date</p>	

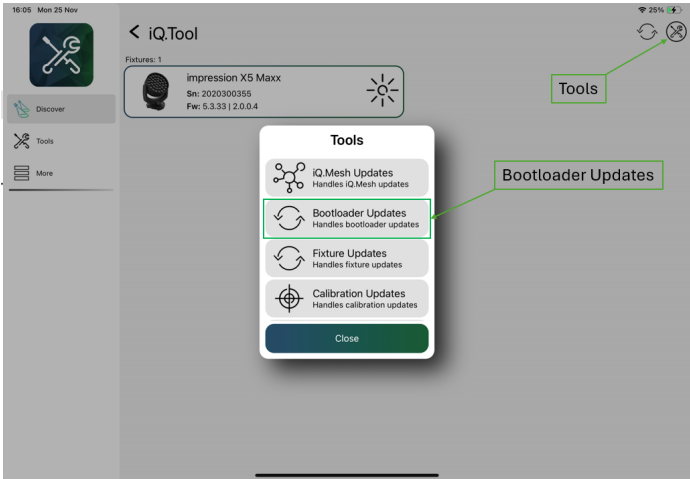
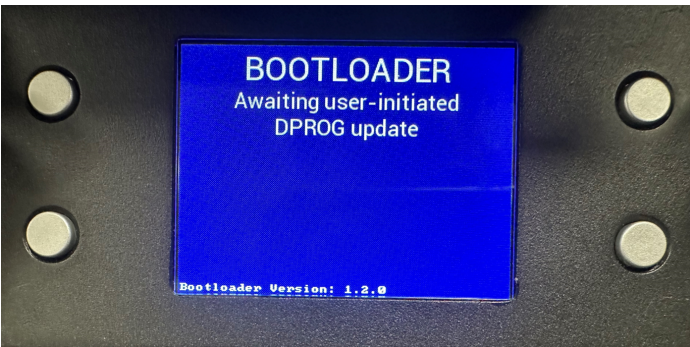


Part 2 (Option B) - Fixture Firmware Via iQ.Tool + iQ.Service app

⚠ Please make sure that no other DMX receivers or consoles are active. Ensure fixtures Control Protocol is set to DMX and do not to loose power during the update process!
During and after transfer of the Bootloader to the fixtures, some fixtures may have their displays off. Please give them another 5 minutes after the transfer from the iQ.Tool to the fixtures for the internal transfer of the bootloaders to the PCBs and then start with the main application update.
Please note you will require an iQ.Tool for this option. This Update is not possible by directly connecting to the fixtures iQ.Mesh Module.

	Description	Image
1	<p>Connect and Discover your fixtures via iQ.Tool</p> <p>i. Connect the iQ.Tool to the fixtures (DMX daisy chain possible)</p> <p>ii. Turn on the iQ.Tool and Discover then click on it.</p> <p>iii. Run the RDM Discovery</p>	



	Description	Image
2	<p>Update the Bootloader for Firmware 2.0.1 (V1.2.0)</p> <p>i. Click on the Tool icon and select bootloader update</p> <p>ii. select the required fixture type (i.e. impression X5 Maxx)</p> <p>iii. Select the Bootloader 1.2.0 from the menu</p> <p>This will now update all the devices connected via the DMX daisy chain. Once complete and all devices show waiting for update</p> <div data-bbox="319 1332 694 1691"> <p>i During this step the display can go into black out. In this case, wait about 5 minutes after the black out before proceeding. The fixtures will turn on their displays again, after or during the next step.</p> </div>	  <p>2 Once the bootloader update is complete the fixture display should look like this</p>



	Description	Image
3	<p>Update/ Push Main fixture firmware 2.0.1</p> <div><p>i In the iQ.Tool Window of the App the devices will show as show as unknown. Do not be alarmed by this.</p></div> <p>i. Select the Tool icon in the top right.</p> <p>ii. Then select Fixture Updates</p> <p>iii. Select the required fixture type (i.e. Impression X5 Maxx). You may need to hit the ‘More’ icon to see all options. Then select Firmware V2.0.1</p>	<p>The screenshot shows the iQ.Tool app interface. At the top, there's a header with a wrench icon and '< iQ.Tool'. Below it, a status bar shows 'Fixtures: 1' and 'Id: 0000-00000000 Fw: --- BL 1.2.0'. A 'Tools' menu is open, listing 'iQ.Mesh Updates', 'Bootloader Updates', 'Fixture Updates' (highlighted with a green box), and 'Calibration Updates'. A green box labeled 'Unknown fixture' points to a lightbulb icon in the top right. Another green box labeled 'Tools' points to the 'Tools' menu icon. A third green box labeled 'Fixture updates' points to the 'Fixture Updates' option in the menu.</p> <p>The screenshot shows the 'Fixture Update' dialog box. It has a title '< Fixture Update' and a subtitle 'Choose fixture type to update'. Below, there's a list of fixture types: 'Impression X5 IP Bar' (0 Fixtures), 'impression X5 Maxx' (0 Fixtures, highlighted with a green box), and 'iQ.Circle' (0 Fixtures). A green box labeled 'Select Fixture Type Required' points to the 'impression X5 Maxx' option. A 'Close' button is at the bottom.</p>



	Description	Image
	<p>The fixture will now update to firmware V2.0.0</p> <ul style="list-style-type: none"> • The transfer will need about 5 minutes to the fixture. • Then the internal distribution will need another 2 - 3minutes. • After this the fixture will reset and upload LED calibration onto the LED drivers. (A red error will be shown during this). This can take another 1 minute depending on the fixture type. 	
4	<p>Congratulations your X5 Products are now up to date</p>	