GLP Firmware Change Log

GLP JDC2 IP Firmware Log V2.0.3 with Update Instructions - 25 June 2026 Rev3

Below you will find the history of all fixture firmware versions since the release of the device. Please note the respective information on functional changes, extensions, optimizations, etc. Even if it is our goal to develop firmware updates without relevant performance changes, it can always happen that optimizations or bug fixes can affect the device performance. Please read the note on "INFO" as a matter of urgency.

We strongly advise that firmware updates be carried out on individual replacement devices first.
Likewise, updates should never be carried out shortly before an important use of the device. If in doubt, speak to your GLP Service Team.

25 Jun 2026 **/ Main changes from V2.0.1 to V2.0.3**	

Required:	• GLP JDC 2 with power cable
	• iQ.Tool (updated to version ...) and fully charged (uninterrupted update)
	  • This is not needed without a bootloader update (see below)
	• Smartphone (iOS) or Windows PC
	  • With physical network port
	  • With a stable internet connection
	  • With iQ.Service app installed (v2.9.0 or later)
	  • Fully charged or plugged in to assure uninterrupted update
	• Network cable for Main Software Update, DMX cable for Bootloader Update

Target Software Versions	• Main Bootloader 3.4.1 • Firmware 2.0.3 (JDC-2_2.0.3_sus.bin) • iQ.Mesh Module Firmware 6.0.35
New Features and Improvements	• Added Live Diagnostic Menu in Quick Menu.
Bug Fixes	• Solved: DigiFX Transition channel did not work • Solved: coordinate_transform miscalculation if both unit and axis differ from default.

Precaution	• Try to use different static IP addresses on both your JDC2 and your phone/PC
	• We advise in the 192.168.x.y class with netmask 255.255.255.0
	• Make sure you know:
	  • The IP of your phone/PC that is connected to the JDC2
	  • The IP of the JDC2
	  • The IP of your phone/PC that is connected to the internet
	• **This update is show critical compared to version 0.7.1-rc7 or earlier and is an important update to secure show stable preprogramming and show stable fixture updates in the future.**
	• **All DMX Modes have been changed and all DMX channel counts are different, compared to version 0.7.1-rc7**
	• We strongly recommend against performing this update on-site

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Update Process	1. Please see the update video here: https://bit.ly/JDC2Update 2. Connect the network cable to the JDC2 and your phone/PC (you can daisy chain fixtures) 3. Power on the JDC2 4. On the JDC2 go to Information > Controllers and write down the bootloader firmware version and the device firmware version (needed in step 24 or when you need to reach out to service) 5. When the Bootloader is already 3.4.1 or higher, skip to step 22 6. Plug the iQ.Tool in the JDC2 (you can daisy chain fixtures) **Bootloader Update** 7. Make sure the iQ.Tool is powered on 8. On your phone/PC start the iQ.Service app 9. Discover new devices in the iQ.Service app 10. Click on the iQ.Tool 11. Click Fixture discovery 12. It should now find your JDC2, if it doesn't find it, swipe down to restart the discovery process 13. All your fixtures should show here, make sure the serial number matches 14. Click the service icon on the top right of the screen  15. Click the Bootloader Update button 16. Choose JDC2 IP 17. Choose the latest firmware version (3.4.1 as of writing now) 18. Confirm the update by clicking the "Update" Button 19. The bootloader update is now in progress a. do not power off the JDC2 b. the fixture might go fully dark this is normal and can take up to 5min c. the fixture will reset and move, please keep distance 20. Please wait the 5-minute timer running in the app in any case for the internal firmware distribution, until the app asks you to proceed 21. After the update the app might show an attention warning to keep your fixture powered on, Click "Ok" 22. The app should show an Update Result pop up with the device serial and a green check mark (if not the case, please contact support) **Firmware Update** 22. Now it will request you to Update the Firmware a. If you are coming from step 6: i. Start the iQ.Service App ii. Click on the JDC2 iii. Click on the Tool Icon in the bottom center  iv. Click on Fixture Update 23. Choose the latest firmware (2.0.3) 24. Choose the interface (this is the one that connects to your JDC2) 25. Now it will update a. It might show some error message on the fixture display, this is normal, wait for the update process to finish b. The fixture will restart c. The transfer of the Main firmware V 2.0.3 needs about 45 seconds. d. After the transfer, it could take about 30 seconds until the internal software distribution starts and this will take about two more minutes. e. **After the update, your fixtures could be on factory settings and network settings will be reset !**

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	26. Check the firmware version in the top left corner 27. If the firmware update was cancelled or incomplete, go to the service update in the bottom update of the app and click JDC 2 Firmware Update 28. If the firmware update still fails, contact GLP Service and do not continue **iQ.Mesh Module Update** 29. Unplug the iQ.Tool from the fixture and power it off 30. On the JDC2 set the protocol to iQ.Mesh 31. In the iQ.Service App discover your fixture again (now directly on iQ.Mesh) 32. In the iQ.Service App select your fixture 33. Click the service icon in the top left 34. Click the iQ.Mesh Updates 35. Update the iQ.Mesh module to the latest version 36. Depending on the production lot the iQMesh update will not work on any fixtures. If the update does not work please contact your local distributor. This upate must be performed then in GLP headquarters. The regular function and work via DMX and Ethernet is not affected, only the iQ.Mesh will not work. 37. Power cycle the fixture after the update and check all firmware versions
DOWNGRADE:	D**owngrade or Update** without a prior recommended and mandatory bootloader update (only in communication with GLP Service): Discover > Lower Center Tools Menu > JDC2 Firmware Update via Network

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12 Jun 2026 **/ Main changes from V0.7.1-rc7 to V2.0.1 BL3.4.1**

required:
1. **An iQ.Tool and the iQ.Service App (V2.9.0 or later) installed on iOS or on a Windows PC,**
2. **Fixtures connected via DMX to an iQ.Tool for the Bootloader update**
3, **Fixtures connected via Ethernet to an iPhone or a Windows PC for the Main software update.**
4. **Phone or PC must have a stable internet connection during the update, or the software must be downloaded from the iQ.Service website in advance, iOS is recommended**

UPDATE PROCESS / Overview	**Precaution / before the update.** Please connect your fixtures via DMX **AND** Ethernet. Make sure your Ethernet adapter and fixtures are on the same network settings and check if you see the fixtures via the iQ.Service App. You just may use the default DHCP and have your fixtures for example at 169.254.x.x/16 DHCP and your USB-C to ethernet adapter on 169.254.0.2 / 255.255.0.0 This can be set in the iOS settings on you iPhone as soon an adapter is connected.
	Please see the update video and manual in the firmware download package and the update instructions. The **update works in 2 major steps:** **1. Via iQ.Service App and iQ.Tool: Bootloader update to V3.4.1, via DMX/RDM** **2. Via iQ.Service App / iQ.Tool and Ethernet network daisy chained, update the main software via ethernet to V2.0.1 .** **3. It is most likely, that an iQ.Mesh software update is suggested as well** Please perform this after the main firmware update. For iQ.Mesh Updates please set all fixtures to iQ.Mesh. You can change the control protocol via the upper right tools menu. **Depending on the production lot the iQMesh update will not work on all fixtures.** If the update does not work, please contact your local distributor. This update must be performed then in GLP headquarters. The regular function and work via DMX and Ethernet is not affected, only the iQ.Mesh will not work.
INFO	• ⚠ **This update is show critical and is an important update to secure show stable preprogramming and show stable fixture updates in the future.** • **All DMX Modes have been changed and all DMX channel counts are different, compared to the previous release version 0.7.1-rc7** • **DigiFX have been changed (removed, adjusted, moved in position, etc.) Coordinate settings have been changed and simplified, strobe options have been added.** • **We strongly recommend against performing this update on-site** • **Power cycle the fixture after the update**

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NEW FEATURES AND IMPROVEMENTS	• Changed DigiFX and NDI settings and their manipulation overall. Therefore, please refer to the additional manuals. • Canvas based positioning workflow and coordinate system for DigiFx and NDI. • Added Strobe Cycle at Zero: Reset and Continuous • Added Rate / Duration Cycle options: Restart, Finish, Smart • Added flash style options: normal, spark. • Added PWM settings in the control channel • Added network port status in the main display screen. • Added Manual DMX • Added DMX Input Monitor
BUG FIXES	• Solved an issue affecting the strobe sync • Solved an issue in the stand alone mode
UPDATE PROCESS	1. **Update the bootloader to V3.4.1 with the iQ.Service App and an iQ.Tool.** You can daisy chain fixtures via DMX/XLR for this. Once connected with an iQ.tool, search for devices, choose the found iQ.Tool and search for fixtures connected to the iQ.Tool. Once detected, choose the upper right toolbox for the bootloader update: ***> Upper right toolbox > Bootloader update > JDC2 IP > 3.4.1 > Update*** The display will go off and could stay off. If you are coming from V0.7.1.7, the display will turn ON again. Please wait the 5-minute timer running in the app in any case for the internal firmware distribution, until the app asks you to proceed with step 2! 2. **Update the main version to V2.0.1** After the timer has finished, the app will suggest the firmware and also an option where you have to choose the correct Ethernet adapter. ***> Confirm the warning with OK*** ***> Choose firmware 2.0.1*** ***> Choose the correct Ethernet adapter*** The transfere of the Main firmware V 2.0.1 needs about 45 seconds. After the transfere, the internal software distribution will take about two more minutes. During this time the display will show also a red error screen. After the update, your fixtures will be on factory settings and network settings will be reset !! Please make sure your phone has an internet connection during the whole process **3. It is most likely, that an iQ.Mesh software update is suggested as well.** Please perform this after the main firmware update. For iQ.Mesh updates, please set all fixtures to iQ.Mesh. You can change the control protocol via the upper right tools menu. Depending on the production lot the iQMesh update will not work on any fixtures. If the update does not work please contact your local distributor. This upate must be performed then in GLP headquarters. The regular function and work via DMX and Ethernet is not affected, only the iQ.Mesh will not work.
VERSIONS:	JDC-2_2.0.1_sus.bin , Bootloader Version 3.4.1, **iQ.Service V2.9.0 or later**
DOWNGRADE:	**Downgrade or Update** without a prior recommended and mandatory bootloader update: Discover > Lower Center Tools Menu > JDC2 Firmware Update via Network

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09 Aug 2025 / **Main changes from V0.6.1 to V0.7.1-rc7**	
NEW FEATURES, IMPROVEMENTS AND CHANGES	• implemented Art-Net and sACN • enabled PWM settings • enabled White point • **Reworked the DigiFX and their manipulation** Therefore some of the DigiFX marked as experimental and can be used only when enabled via the menu or the DMX control channel. This is done in order to have a stable and reliable preprogramming. The “experimental demo DigiFXs” are most likely to receive some changes during the next software releases or could be exchanged completely. Whereas the non experimental demo DigiFXs maybe only receive some optimisation in speed, scaling, etc.
UPDATE PROCESS	**Please see the update manual in the firmware download package and the update instruction** **Update works in 3 mayor steps. (Via iQ.Service App and iQ.Tool step 1 and 2 Bootloader update and a recovery Update. Setp 3 is via a Windows PC / ethernet network daisy chained** **with the GLP Upload App “susgui-0.1.4.exe” and firmware version “JDC-2_0.7.1-rc.7_sus.bin”.** During step 1 until the end of step 2 the display will go off. So we do highly recommend to read the update instructions. This update should be not performed on site.
INFO	⚠ **This update is show critical and is an important update to secure show stable preprogramming and show stable fixture updates in future.** • **DIGI FX have been changed (removed, adjusted, moved in position, etc.)**
VERSION PACKAGE UPLOAD APP DOWNLOAD PACKAGE	JDC-2_0.7.1-rc.7_sus.bin susgui-0.1.4.exe http://iqservice.glp.de/api/v1/Share/File?file=JDC2IP_0_7_1_RC7.zip

24 May 2024 / **Main changes from V0.5.2 to V0.6.1**	
NEW FEATURES, IMPROVEMENTS AND CHANGES	• **Reworked the DigiFX and their manipulation** Therefore some of the DigiFX marked as experimental and can be used only when enabled via the menu or the DMX control channel. This is done in order to have a stable and reliable preprogramming. The “experimental demo DigiFXs” are most likely to receive some changes during the next software releases or could be exchanged completely. Whereas the non experimental demo DigiFXs maybe only receive some optimisation in speed, scaling, etc.
UPDATE PROCESS	**Update via Windows PC / ethernet network daisy chain** **with the GLP Upload App “susgui-0.1.4.exe” and firmware version “JDC-2_0.6.1_sus.bin”.** **Please see the update manual in the firmware download package.**

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INFO	⚠ **This update is show critical and is an important update to secure show stable preprogramming and show stable fixture updates in future.** • **DIGI FX have been changed (removed, adjusted, moved in position, etc.)** • **Tilt speed has been increased** • **ArtNet and sACN are NOT implemented** • **RDM does not work. Eg setting a DMX address with RDM will cause fixtures to reset** • **NDI ports have been limited to 1 and 2** → For now we suggest to just use NDI port 1 (GLP-JDC2-1) and 2 (GLP-JDC2-2) for external NDI capture. For higher resolution than 640x480px NDI streams and high-performance sync the GLP FVP protocol is implemented on NDI stream 3 → Do not use this NDI port for normal NDI capture. For more information contact your local GLP product specialist.
VERSION PACKAGE UPLOAD APP	JDC-2_0.6.1_sus.bin (22.695 KB) susgui-0.1.4.exe (33.977 KB)

16 Apr 2024 / **Main changes from V0.5.0 to V0.5.2 Beta Fieldtest**

NEW FEATURES & IMPROVEMENTS & CHANGES	**BETA fieldtest version** • brightness increased → Do not enable “umtimate powaa” • New selection of experimental DigiFX The DigiFX will change completely with the next Firmware Update → Take care if using for preprogramming shows • The fixture has a physically pixel matrix of 54x34 pixel. The firmware version 0.5.0 does only capture these physically 54x34 pixel. From firmware 0.5.2 the fixture will capture a virtual resolution of 54x36 pixel to offset the pixel gap of the LED Beam Line ℹ GLP FVP Protocol implemented on NDI Stream 3 → Do not use this NDI Port for normal NDI Capture. ℹ For now we suggest to just use NDI Port 1 and 2 for external NDI capture ⚠ ArtNet or sACN NOT implemented
BUG FIXES	• n/a
UPDATE PROCESS	**Please see update manual in the versions download package for version 0.6.1**
INFO	**This update is show critical**
VERSION PACKAGE UPLOAD APP	JDC-2_0.5.2_sus.bin (22.695 KB) susgui-0.1.4.exe (33.977 KB)

01 Mar 2024 / **V0.5.0 Prolight and Sound Release**

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