



Software Release Note

Genelec Loudspeaker Manager GLM™

Software Version 5.2.0

GENELEC®

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GLM 5.2.0 for Mac and Windows PC computers

GLM software allows users of Genelec Smart Active Monitors and Subwoofers (SAM) to connect, configure and control their SAM Monitoring system and minimise the unwanted acoustic influences of the room. GLM 5.2.0 is a free upgrade that offers a host of new features, plus several important bug fixes and firmware updates.

This update is highly recommended for all GLM 2, 3, 4 and 5 users.

To get all the benefits and improvements from this release, please update the GLM software and perform all the firmware updates that GLM suggests for devices in your system.

Computer requirements

	Windows 10 – 11 (64-bit)	macOS 10.11 – 15.x Intel CPU	macOS 11.0 – 15.x Universal Binary Apple Silicon CPU
GLM application with Cloud AutoCal2	Compatible	Compatible	Compatible
Local AutoCal Package**	Compatible	Compatible	Not supported
Hard Disk Space	2 GB minimum		
Internet Connection	<p>An internet connection is needed during GLM installation and during GLM AutoCal/WooferCal calibration for:</p> <ul style="list-style-type: none"> • Downloading software * • Using GLM AutoCal for calibration ** • Using GLM WooferCal for calibration • Ordering Genelec Room Acoustic Evaluation report (GRADE) • Registration of the monitors in My Genelec service • Obtaining the microphone calibration file automatically during the first use of the Local AutoCal package • Obtaining the headphone calibration file when Personal Reference Monitoring system is used 		

* Link to the software download is <http://my.genelec.com/>. (Requires free MyGenelec user account.)

** A separate install for the Local GLM AutoCal (v1) package is available for computers having no internet connectivity. Genelec recommends the use of Cloud AutoCal2 as the Local AutoCal has limited support.

Improvement in GLM Version 5.2.0

- Support added for the Genelec Personal Reference Monitoring system. The Genelec PRM system consists of 9320 Reference Controller and factory calibrated 8550 Reference Headphones.
- Support to enable the headphone settings in 9320 to be unique in each GLM Group Preset and the headphone settings are loaded into the 9320 controller when a group preset is activated.

- Integration to web based MyGenelec services. Full integration with the MyGenelec portal at my.genelec.com.
- When logging in, the users linked to organizations will be able to select the Organization account of their Personal Account. The "Personal Account" refers to a private My Genelec account. For organizations accounts, the organization controls the access to Genelec services.
- Various updates to improve usability and control of Genelec UNIO, the flexible use of mixed loudspeaker-based and headphone-based monitoring.
- Support for new GRADE Report system. Registered users have 12 free GRADE reports. The GRADE advanced room acoustic analysis reports are available for all calibrations done using GLM 5.2.0 or later (earlier the report was available only for the latest calibration). The GRADE Reports are emailed and are also available for download in your MyGenelec account at my.genelec.com.
- "Settings saved to the Group Preset" dialog appears after Autocal, Autophase and 9320 settings edit, to confirm that settings are stored for each Group Preset in GLM, and to explain how to store a selected Group Preset settings permanently into devices for use without GLM.
- A dialogue about "Audio signals detected" appears if devices receive audio while performing Autocal or Autophase. This is to prevent unintended high level audio output of digital or analog audio during measurements.
- New firmware menu has been added to Settings. Firmware update process has been streamlined for reliability and ease of use.
- Integration of the Aural ID Application has been added. Seamless integration with the Aural ID application enables flexible immersive monitoring using headphones.
- The "Store to Loudspeakers" menu is now called "Store to Genelec Devices".
- GLM window minimum size is set to 640x480 pixels.
- Network communication to the Genelec services has been improved.
- Reference level calibration has been improved. The headphone output level is now adjusted to be subjectively the same level as the level created by loudspeaker monitors.
- Grouped Solo/Mute function for W371 woofer system and the associated 83x1 monitor. These are now muted or soloed as a group — this is especially helpful when using MIDI control.
- Fixed the issue with 8381 calibration group sensitivity setting to prevent the LF output from being calibrated too low.
- The range of frequencies for setting the Subwoofer Crossover has been expanded. The crossover frequency can now be set up to 120 Hz if 7200 series subwoofers are not present on the GLM network.
- The 7200 series subwoofer Autophase behaviour has been improved. Now, a cable between the subwoofer and a monitor is required.
- The Info Panel has been improved. The Info Panel now includes an "Always Show" option— ideal for improving system status visibility for large screens.
- System wakeup and shutdown have been improved.
- Fixed an issue to store the microphone serial number in the GLM adapter.
- Fixed an issue with midi causing messages from GLM to MIDI controller to fail.

- Fixed an issue at computer wake up from sleep, causing the GLM to start USB communication too early in relation to GLM adapter or 9320 wake-up, resulting in the GLM reporting loudspeakers to be offline.

There are also other unspecified improvements.

New Firmware Included in this GLM release

Genelec 9320A SAM™ Reference Controller 1.5.2 firmware update

- Support for factory calibrated Genelec 8550 Reference Headphones
- Adds a command to store settings into the 9320A memory, to make settings available for standalone use. To save into 9320 memory the settings for the 9320 controller defined in the current group, use the menu command 'Group Preset' : 'Store into Genelec Devices' menu item.
- The sensitivities of the 9320A controller inputs and outputs are now matched.
- The headphone output level is automatically calculated when the correct headphone sensitivity is set in the 9320A.
- Fixed a bug in the Sound Exposure (noise dose) value reset.
- Improved power up/down functionality.
- Default output trims set to 0 dB.
- Volume level setting resolution is set to 0.5 dB.
- Fixed issue in displaying [dB] and [dB SPL] volume units.
- Fixed issues in drawing the display.
- Fixed an issue when displaying dB SPL readings having large values.
- Matched input/output polarities.
- Improved startup inits.
- Improved USB stream handling when changing USB stream sample rate.
- Fixed an issue causing clicks with USB audio input routed to digital output, occurring when USB streaming starts (for example, when a new song starts in a streaming application).

Firmware updates for SAM monitors, subwoofers and the GLM adapter

Firmware updates are necessary to ensure that your SAM system can support all the features in new GLM releases, to ensure that your system continues to have the highest performance, and to make your system and calibration work better. Firmware updates for other products may also be suggested by GLM, if the firmware in these products is not up to date. When a firmware update is suggested, we recommend that the updates should be done. Please see the instructions below to check if updates are available.

The firmware update is started within the GLM software using a button shown in the 'Info' display for a product. The steps required to check and update the firmware vary depending on whether you have previously run any system setups.

Steps to apply firmware updates for users that have completed at least one system setup, which is now actively running.

- Right click on a monitor, subwoofer or network adapter icon in the GLM software main page and choose 'Show Info' to open the info popup.
- See the Firmware Version info field. This field shows if a device has an available update or if it is up-to-date. If an update is available, press the 'Firmware' button to open the firmware update page. The adapter firmware update starts directly and the next step can be skipped.
- Check the 'Update' check box for the monitors that need to be updated and press the 'Update' button.
- Wait until all the devices have been updated and are back online.

Steps to apply firmware updates for users that are setting up for the first time and have no completed system setups yet.

- Connect the GLM Network Adapter to the computer and connect the monitors and subwoofers to the GLM Network Adapter.
- Launch GLM and create a system layout.
- Define a Group.
- Save the Setup with any name.
- Skip the AutoCal and AutoPhase (by pressing the 'skip' button). The main window will now open.
- Right click on each monitor, subwoofer or network adapter icon in the GLM software main page and choose 'Show Info' to open the info popup.
- See the Firmware Version info field. This field shows if a device has an available update or is up-to-date. If an update is available, press the 'Firmware' button to open the firmware page. The adapter firmware update will start directly and the next step can be skipped.
- Check the 'Update' check box for the monitors that need to be updated and press the 'Update' button.
- Wait until all the devices have been updated and are back online.
- Run the acoustic calibration by selecting the menu item 'Group Preset : Calibrate'.

Long-term compatibility

GLM 5 supports all SAM Monitors, Subwoofers and Woofer Systems manufactured since 2006. This exceptionally long support for compatibility of the GLM monitoring solution means that not only does GLM continuously developed but is an incredibly secure, scalable and future-proof system – providing an security for investment you can count on for years to come. Consult the list below to find the complete list of compatible SAM Monitoring devices.

SAM Monitors:

8240A, 8250A, 8260A, 8320A, 8330A, 8340A, 8350A, 8331A, 8341A, 8351A, 8351B, 8361A, W371A woofer system and 8430A.

SAM Main Monitors:

8381A, 1032C, S360A, 1237A, 1238A, 1238AC, 1238CF, 1238DF, 1234A, 1234AC, 1235A and 1236A.

SE System:

8130A when used with SE7261A SE System subwoofer.

SAM Subwoofers:

SE7261A, 7260A, 7270A, 7271A, 7350A, 7360A, 7370A, 7380A and 7382A.

Other SAM system devices:

9301A AES/EBU Interface, 9301B AES/EBU Interface, 8300-416 GLM Calibration Set, 9401A System Management Device for Audio-over-IP Networking and 9320A SAM™ Reference Controller.

More information

To download GLM software and read the GLM Operating Manual, please visit my.genelec.com. Accessing and downloading in MyGenelec requires creation of a free user account and submitting basic personal details, enabling Genelec to support you in the future. Once you've done that, simply log in to MyGenelec, select the 'Software' tab and look for 'GLM'.

To learn more about GLM, please visit www.genelec.com/glm.

If you have any questions, please do not hesitate to contact us at support@genelec.com.

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