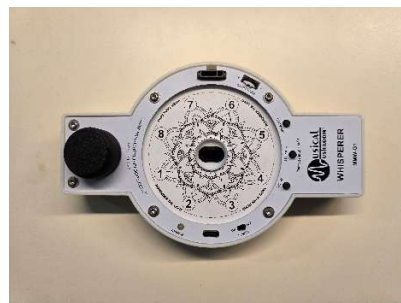




Musical Mushroom® Whisperer Firmware Release Notes

Firmware Revision	Release Date	Release Notes
1.0.0	Mar 7 th 2025	Initial release of the firmware for first units deployed.
1.0.1	Mar 7 th 2025	Fixed firmware update bug
1.0.2	Nov 26 th 2025	Added delete all files and subfolders operation when doing factory reset. This was necessary to resolve a drive full when doing firmware updates using a Mac or PC (extra trash can invisible files were filling the drive, preventing updates).
1.0.3	Nov 27 th 2025	Replaced all files delete to a full format operation on the FAT filesystem during a factory reset to ensure full restore of a corrupted filesystem.
1.0.4	Feb 9 th 2026	Prevents the display brightness to be set less than 5% when the display brightness knob is turned all the way down. This prevents users from thinking the unit is defective after accidentally turning the brightness down all the way.
1.0.6	Apr 6 th 2026	- The maximum gesture sensing height has been reduced from 1.2m to 1.0m to avoid triggering the beam inadvertently with low ceilings or low objects above the Whisperer. - Fixed issue with parameter save errors when a USB cable was connected. This was a problem especially for MIDI setup with

		USB cable connected as it wasn't able to save the selected notes correctly. • Eliminated MIDI over Bluetooth functionality completely since it wasn't reliable. • Solved the USB over MIDI enumeration issue with Windows 2026 patch release. • MIDI device now has a unique device ID (based on the MAC ID) to support multiple Mushrooms plugged to the same computer. • Changed system tick rate. USB over MIDI is now more responsive. • 5 second white flash is disabled when holding down PAIRING button to avoid confusing the user waiting for a white blinking flash for pairing mode.
1.0.7	May 28 th 2026	• Added the white LED “orbiting pattern” to signal that a hand is seen in the beam. This is a simple visual indication allowing you to troubleshoot cases when the beam is being inadvertently triggered by the rim of a too tall bowl or by object in the near vicinity. This replaces the old wave pattern. Unlike the old wave pattern, it also no longer will continue when auto-holding a note. If you see a white orbiting LED pattern, it means that the sensor is seeing something right now. No white orbiting LED pattern means it doesn’t see anything.
1.0.8	May 31 st 2026	• Fixed a bug with the LED orbit logic to disable it when the calibration occurs or when the gesture sensor is disabled.
1.0.9	June 17 th 2026	• Changed the factory default LED color to purple. This better contrasts with the new LED orbiting pattern to increase visibility out of the box.