



## Musical Mushroom® Whisperer Firmware Release Notes

Firmware Revision	Release Date	Release Notes
1.0.0	Mar 7 <sup>th</sup> 2025	<ul style="list-style-type: none"> <li>Initial release of the firmware for first units deployed.</li> </ul>
1.0.1	Mar 7 <sup>th</sup> 2025	<ul style="list-style-type: none"> <li>Fixed firmware update bug</li> </ul>
1.0.2	Nov 26 <sup>th</sup> 2025	<ul style="list-style-type: none"> <li>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).</li> </ul>
1.0.3	Nov 27 <sup>th</sup> 2025	<ul style="list-style-type: none"> <li>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.</li> </ul>
1.0.4	Feb 9 <sup>th</sup> 2026	<ul style="list-style-type: none"> <li>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.</li> </ul>
1.0.6	Apr 6 <sup>th</sup> 2026	<ul style="list-style-type: none"> <li>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.</li> <li>Fixed issue with parameter save errors when a USB cable was connected. This was a problem especially for MIDI setup with</li> </ul>

		<p>USB cable connected as it wasn't able to save the selected notes correctly.</p> <ul style="list-style-type: none"> <li>• Eliminated MIDI over Bluetooth functionality completely since it wasn't reliable.</li> <li>• Solved the USB over MIDI enumeration issue with Windows 2026 patch release.</li> <li>• MIDI device now has a unique device ID (based on the MAC ID) to support multiple Mushrooms plugged to the same computer.</li> <li>• Changed system tick rate. USB over MIDI is now more responsive.</li> <li>• 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.</li> </ul>
1.0.7	May 28 <sup>th</sup> 2026	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
1.0.8	May 31 <sup>st</sup> 2026	<ul style="list-style-type: none"> <li>• Fixed a bug with the LED orbit logic to disable it when the calibration occurs or when the gesture sensor is disabled.</li> </ul>