

At Model Sounds Inc., we are committed to delivering the highest quality products that we know how to make. We are also committed to continually improving our products by improving, or offering increasing functionality in an easy to use manner. We therefore may publish frequent firmware and software updates for our latest **ShockWave 3** sound module.

Below is a list of the various revisions which reflect these changes in firmware and/or software.

ShockWave 3 5.0.2 Release Notes - Date : July 20, 2019

1. Fixed Analog Voltage control for Engine1 and Engine2 not working.
2. Fixed THTTL2 engine startup not working properly.
3. Added 3-position R/C switch option for THTTL1 input pins in Control Panel->Hardware Tab.
4. Low Battery voltage alarms now supported in Control Panel->Hardware Tab.
5. Added "Output Active High" option to all four switched outputs – useful for driving logic circuits directly.
6. Added optional Engine Speed Changes Uses Frequency Multiplication in Control Panel->Hardware Tab (not compatible with DopplerFX and only if the engine sound is the only sound playing).
7. Added Throttle Ranges "Auto Set" button/function in ShockWave 3 PC application. This allows the user to set the engine startup sound throttle range and all subsequent steps can then be automatically calculated and displayed.
8. Introduced a new optional HardwareSettings.txt file in the microSD card root folder that can specify some basic Hardware settings such as Startup Delay Time without using the ShockWave 3 PC software application.

ShockWave 3 5.0.1 Release Notes - Date : March 29, 2019

1. More system sounds added. System Sounds are on by default.
2. Enabling/disabling of system sounds using pushbutton 1 now supported.
3. Setting of system sounds relative volume using pushbutton 2 now supported.
4. Remote setting of DopplerFX Use Altitude Option now supported.
5. Release notes removed from the hardware and software reference manuals and added to this new standalone RELEASE NOTES document.

ShockWave 3 5.0.0 Release Notes - Date : March 01, 2019

1. Initial Release of **ShockWave 3**.
See accompanying document **ShockWave3-ShockWave2 Differences.pdf** in the "Additional Documents" folder of the **ShockWave 3** microSD card.
2. Multi-Engine Sync. feature not yet supported. Reserved for a future release.
3. Low Battery voltage alarms not yet supported. Reserved for a future release.

4. Enabling/disabling of system sounds and setting of system sounds relative volume not yet supported.
5. Remote setting of DopplerFX Use Altitude Option not yet supported.