

# RC8 Gen2 microSD Function Guide

8/25/2025

This document describes the RC8 Gen2 process for reading/writing files through the microSD slot. The installer may update firmware, write log files, or load configuration files for advanced settings.

## Updating Firmware:

The first step is to prepare a microSD card with the firmware update files. Download and run the .exe firmware file from [www.soundcontrol.net](http://www.soundcontrol.net) to auto-generate the correct file folder structure on the microSD card.

1. Insert the microSD card into the RC8 Gen2 front slot.
2. Press and hold the S1 button for 15 seconds until the green FW LED flashes quickly.
3. Release button.
4. Firmware update is complete when the FW LED returns to slowly flashing green.
5. The microSD card can be removed at this point, if desired.

**Troubleshooting Tip** – If firmware files are not present on the microSD card or they are in the wrong folder, the LED will not flash quickly but will return to the standard blink pattern of once per second. This indicates that no update has been performed.

## Writing the Log file:

The RC8 Gen2 includes a feature to write information to the microSD card, which can help with troubleshooting.

1. Insert a microSD card into the RC8 Gen2 front slot.
2. Quickly press the S1 button 5 times in a row. The green FW LED will flash 6 times, followed by solid green for 2 seconds. The unit will then return to the standard blink pattern of once per second.
3. The microSD card can now be removed and placed into a computer to read the contents.

The files written to the card are:

CURRENT_SETTINGS.txt	Contains the settings that are currently running on the RC8 Gen2.
RC8_Gen2_LOG.txt	Contains firmware versions and settings currently running on the RC8 Gen2.

## Using a Configuration file:

The RC8 Gen2 includes a feature to load a custom configuration file to define certain parameters. When DIP switch 4 is in the ON (UP) position the RC8 Gen2 will automatically load and use the parameters in the configuration file.

Refer to the “RC8 Gen2 Config File Formatting Guide” at [www.soundcontrol.net](http://www.soundcontrol.net) for details on how to create the configuration file. After creating the file, copy it to the root directory of a microSD card.

1. Insert the microSD card into the RC8 Gen2 front slot.
2. Turn on DIP switch 4 to enable the configuration file.

Note: microSD card must remain installed to use a configuration file.