

RC-SDA+ microSD Function Guide

11/22/2021

This document describes the RC-SDA+ 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. The microSD card must be formatted as FAT or FAT32 (32GB maximum). Download and run the .exe firmware file from www.soundcontrol.net to auto-generate the correct file folder structure on the microSD card.

1. Insert the microSD card into the RC-SDA+ front slot.
2. Press and hold the Program button for 15 seconds until the green Function LED flashes quickly.
3. Release button.
4. Firmware update is complete when the Function 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 RC-SDA+ includes a feature to write information to the microSD card, which can help with troubleshooting.

1. Insert a microSD card into the RC-SDA+ front slot.
2. Quickly press the Program button 5 times in a row. The green Function 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_CONFIG.txt	Contains the configuration file currently running on the RC-SDA+. Comments are removed from this file.
SDA+ LOG.txt	Contains firmware versions and settings currently running on the RC-SDA+

Loading a Configuration file:

The RC-SDA+ includes a feature to load a custom configuration file to define more parameters than the DIP switches allow. DIP switch 8 must be ON (UP) to use the parameters in the configuration file. Note that DIP switches 1-7 are ignored in this mode.

Refer to the “RC-SDA+ Config File Formatting Guide” at 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 RC-SDA+ front slot.
2. Press and hold the Program button for 5 seconds until the green Function LED flashes 3 times.
3. Release button.
4. Configuration file loading is complete when the Function LED returns to slowly flashing green.
5. The microSD card can be removed at this point, if desired.