RC-SDA (2021) Firmware/Log Guide
4/22/2022

This document describes the RC-SDA (2021) process for updating firmware and writing log files.

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 S1 button for 15 seconds until the Status LED flashes quickly.
3. Release button.
4. Firmware update is complete when Status 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 S1 button 5 times in a row. The Status LED will flash green 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:

SDA2_LOG.txt	Lists the firmware versions currently running on the RC-SDA
CURRENT_CONFIG.txt	Information for internal SCT use