

RCU2S Firmware/Log Guide

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This document describes the RCU2S 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 RCU2S-HE front slot.
2. Be sure that DIP switch 1 is in the ON position.
3. Press and hold the front button for 15 seconds until the firmware LED flashes quickly.
4. Release button. The LED will continue to flash quickly while the firmware is updating. This may take up to 3 minutes.
5. When the firmware LED returns to slowly flashing green, move DIP switch 1 to the OFF position.
6. Press and hold the front button for 15 seconds until the firmware LED flashes quickly.
7. Release button. The LED will continue to flash quickly while the firmware is updating. This may take up to 3 minutes.
8. If the update fails, the LED will flash red 5 times in a row.
9. 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 RCU2S includes a feature to write information to the microSD card, which can help with troubleshooting.

1. Insert a microSD card into the RCU2S-HE front slot.
2. Quickly press the front button 5 times in a row. The firmware LED will flash green 6 times slowly, then quickly while it writes a file to the card. 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 file written to the card is:

RCU2S_LOG.txt	Lists the firmware versions currently running on the RCU2S
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