RC-EDA microSD Function Guide

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This document describes the RC-EDA process for process for reading/writing files through the microSD slot. The installer may load configuration files, update firmware, or write log files.

Configuration file: The configuration file defines the parameters that allow the RC-EDA to communicate with third party projectors. Refer to the "RC-EDA Configuration File Formatting Guide" on www.soundcontrol.net for details on how to create these files.

File naming: Configuration files are simple text files that must start with CONFIG_SCT_1 or CONFIG_SCT_2 and have a standard ".txt" extension. The characters following CONFIG_SCT_1 or CONFIG_SCT_2 are not relevant to functionality but help identify the intended projector to control. Example configuration file: CONFIG_SCT_1_Pansonic_001_Serial.txt

The RC-EDA can hold two separate configuration files in memory that can be easily selected as the running file.
- Files starting with CONFIG_SCT_1 will be loaded into Bank 1.
- Files starting with CONFIG_SCT_2 will be loaded into Bank 2.

DIP Switch 1 selects which file is actively running. In the down (off) position the Bank 1 file will run. In the up (on) position the Bank 2 file will run.

The files must be located in the root folder of a microSD card formatted in FAT or FAT32 (32GB maximum).

Loading:

1. Insert the microSD card into the RC-EDA front slot.
2. Press and hold the S1 button for 5 seconds until the green Status LED flashes 3 times.
3. Release button.
4. The configuration file(s) is now copied to RC-EDA memory.
5. The Status LED will then resume blinking green slowly (normal running state).

The microSD card can be removed at this point, if desired.

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 to auto-generate the correct file folder structure on the microSD card.

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

Writing the Log file:

The RC-EDA includes a feature to write information to the microSD card, which can help with troubleshooting.

1. Insert a microSD card into the RC-EDA front slot.
2. Quickly press the S1 button 5 times in a row (within 3 seconds). The green Status LED will flash quickly 3 times.
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-EDA. Comments are removed from this file.

EDA_LOG.txt	Contains firmware versions, MAC address, and IP settings of the RC-EDA