

RTK-AM1 microSD Function Guide

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This document describes the RTK-AM1 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 to auto-generate the correct file folder structure on the microSD card.

1. Insert the microSD card into the RTK-AM1-RX front slot.
2. Press and hold the Function 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 RTK-AM1 includes a feature to write information to the microSD card, which can help with troubleshooting.

1. Insert a microSD card into the RTK-AM1-RX front slot.
2. Quickly press the Function 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_CONFIG.txt	Contains the custom configuration file currently loaded on the RTK-AM1. Comments are removed from this file.
CURRENT_SETTINGS.txt	Contains the settings that are currently running on the RTK-AM1.
RTK-AM1_LOG.txt	Contains firmware versions and settings currently running on the RTK-AM1.

Loading a Configuration file:

The RTK-AM1 includes a feature to load a custom configuration file to define parameters beyond the default settings.

Refer to the “RTK-AM1 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 RTK-AM1-RX front slot.
2. Press and hold the Function button for 5 seconds until the green FW LED flashes 3 times.
3. Release button.
4. Configuration file loading is complete when the FW LED returns to slowly flashing green.
5. The microSD card can be removed at this point, if desired.