



Remote Update of Device Firmware

This allows you to check the firmware version, or if you have been sent new firmware you can remotely update the firmware in an AudioNav that is already installed in a kiosk.

AudioNav Downloader Utility version 2.0 includes the following files

- BSL430.dll
- AudioNavApi.dll
- AudioNavDownloaderUtility.exe
- AudioNavUtility.exe
- AUDIONAV_UPDATE.BAT
- AUDIONAV_UPDATE_FIRMWARE.BAT

Checking the firmware version

Run the following command in a batch file

AudioNavDownloaderUtility -p AUDIONAV -v

This will return the installed version number

Updating the firmware version

Modify the firmware filename in the batch file **AUDIONAV_UPDATE_FIRMWARE.BAT** to the new version

Run the batch file

It will return 0 for failure and 1 for success.

The batch file will perform the following tasks –

Connect to the AudioNav, and then

Check the bcdDevice (from USB descriptor), to identify what hardware is connected.
(either standard AudioNav or ALT AudioNav).

Read the contents of the firmware file. In ALT firmware file, there is an additional identifier added @7000 with value 10.

This allows it to check that the new firmware file matches the hardware, if it does then these steps follow :

- STEP 1 Retrieve configuration data before upgrade (includes serial number, keycodes & settings)
- STEP 2 Upgrading keypad using <FIRMWARE FILE>
- STEP 3 Retrieve configuration data after upgrade
- STEP 4 Check the configuration is correct by comparing results of before upgrade and after upgrade



Change History

Instructions for	<u>Date</u>	<u>Version</u>	<u>Details</u>
Downloader Utility	15 Aug 2024	1.0	First release (split out from combined instructions)

Remote Firmware Update	<u>Date</u>	<u>Version</u>	<u>Details</u>
AudioNavDownloaderUtility	08 Sep 17	1.0	New Release, added to Tech Manual
	19 Dec 23	2.0	Updated to include ALT AudioNav hardware

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