Grimm Audio MU2 firmware change log

v1.0.8

Improvements
1. Improved UPnP playback with JPlay and all events are now working as intended.
2. UPnP handling of next/prev track has been improved.
3. FPGA DAC noise shaping sound quality improvement.
4. Faster startup for large internal disks through Samba.

Bug fixes
1. DSD playback via UPnP was corrupted.
2. First track would sometimes not play via UPnP.
3. Qobuz links are now properly parsed so no more need for proxy in JPlay.
4. Solved a possible click in the audio when changing sample rates.
5. Some inputs could look enabled in the GRUI even when they were disabled.
6. Solved a memory bug that could cause support mode to not start properly.

v1.0.4

Improvements
1. Quantizer coefficients improved.
2. DSD filter coefficients improved.
3. Better MacOS handling of mounted internal disk.
4. WebGRUI styling matches LS1 Control software.
5. Reduced memory consumption of the webserver.

Bug fixes
1. Suppress 'dc' click at source mute.
2. Avoid incidental reset.
3. Prevent coefficient error at 48k to and from DSD.
4. Playback could stop with DSD playback from UPnP.
5. AES in DoP format could cause the MU1 to hang.
6. Internal FPGA clocking improvements.

v1.0.3

Improvements
1. Faster reloading of the GRUI for specific cases.
2. IR button selection order in the menu fixed.
3. Improved feedback when the update fails.
4. Serial number shown in Roon device info fixed.
5. IR remote commands are not executed while in IR programming mode.
6. Internal music disk was not always mountable on Windows 11 since version 24H2. To satisfy the new safety requirements for Windows, the internal disk now requires credentials.
The username is: mu2-user
The password is: mu2-pass

Bug fixes
1. The digital inputs now always lock to the incoming AES.
2. Small rendering bug fixed.

v1.0.1

Bug fixes
1. fixed support mode error.

v1.0.0

New Features
1. Roon Ready endpoint implemented. This adds the following features:

- Roon Server in MU1 can be switched off, external Roon Server can be fully used.
- Roon app volume control in dB which matches the display.
- Signal path in Roon shows audio processing steps in the FPGA including upsampling.
- A MU1 logo is shown and gives acces to the GRUI and product page.
- Grimm Extension removed as it is no longer required. Track information is shown for both internal and external servers.

2. Float file format support.
3. Grimm IR remote preprogrammed when IR settings are restored
4. Tidal Connect, including loudness normalisation. Supports all file formats available from Tidal.
5. UPnP renderer, including loudness normalisation. Supports stereo and multichannel Wav, flac, ogg, aac, aiff, mp3, mpeg, dsd, dsf, dff, wavpack and raw PCM 16/24 bit. More formats can be added on request.
6. Added bit-test. The system can test bit-transparency of the digital chain with dedicated files supplied by Grimm Audio.
7. Logo in the GRUI of the current source links to the corresponding Roon or Tidal app.

Improvements

1. Stand-by via IR remote activated after single press.
2. Display can restore it self after crash.
3. FPGA: Various improvements to timing and power usage.
4. PC driver: Slightly faster display drawing.
5. Better logging when internal crash occurs.
6. Linux kernel version updated.

Bug fixes

1. Distortion bug resolved
2. Problem with pop due to mute relay solved.
3. AES input mutes when data instead of audio is detected; feedback on display fixed.
4. Collapsible GRUI settings do not overflow their container anymore.

v0.9.6

New Features
1. Added fixed volume option.
2. Jump to source Roon when pressing play in the Roon app if source was not Roon already.
3. Added self test for system integrity.

Improvements
1. Default startup volume changed to -42dB.
2. Display of the MU1 will show "Roon Server Disabled" if the server was stopped via the GRUI.
3. Update system improvements.

Bug fixes
1. Fixed issue introduced with Roon build 1365 that one could not log into Roon after a database reset.

v0.9.3

Improvements
1. Auto mount music disk in Roon.

Bug fixes
1. Fixed Roon start and stop buttons in GRUI.
2. Various underwater fixes.

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