d&b DS100 Firmware V1.12.01, Release notes

A firmware update of the DS100 is performed using the d&b R1 V3 Remote control software and requires an Ethernet connection to R1.

Make sure the network does not get interrupted during the update procedure. The update procedure will take three to four minutes.

To do this, start R1, navigate to the Service view, select the Firmware tab and download the latest version.

> **Note:** Each DS100 firmware version is validated with a dedicated Dante firmware version, which is noted in the corresponding DS100 firmware version section below. Operation with other Dante firmware versions is not recommended.

Changes of V1.12.01 against previous V1.10.02

- DS100 'Scenes' functions added. A local scene memory managed by R1. Scenes can be recalled by R1 or OSC.

- Spread factor per function group enabled. Objects spreads will be multiplied with this value for the respective function group.

- Temperature input added to adjust propagation delays to the actual speed of sound.

- Two new En-Space rooms added: "Theater - small" and "Cathedral".

03/2020

Changes of V1.10.02 against previous V1.08.01

- Improved En-Space convolver mapping avoiding correlating responses of neighboring loudspeakers.

- Automatic initialization of En-Space predelays to match the selected room with the actual loudspeaker positions.

10/2019

Changes of V1.08.01 against previous V1.06.01

- New En-Space room parameters 'Predelay factor' and 'Rear level' support added. (Requires R1 V3.6.1 or higher).

Bug fixes:

- SNMP error on trailing .0 fixed.

01/2019

Changes of V1.06.01 against previous V1.04.01

- New En-Space room added: "Modern - medium 2"

- En-Space support of outputs in SUB Array, SUBs Group, Outfill and Mono Out function groups added.

- Log file collection download for service purposes on web interface added.

Bug fixes:

- High output level on device start fixed.

- Truncated En-Space IRs fixed.

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Note: As a consequence of this fix, the perceived reverb volume may be slightly higher.

- Output delay not taken into account for En-Space fixed.

Note: This DS100 firmware version was validated using Dante firmware version 4.0.7.2. For proper operation, please update the Dante firmware correspondingly.

10/2018

Changes of V1.04.01 against previous V1.04.00

- Improvements to the En-Space input delay calculation.

Bug fixes:

- "Audio communication error" after boot sequence fixed.
- En-Space zone gain distribution recalculated with no Early reflections area defined in ArrayCalc fixed.

Note: Please manually reboot the DS100 after performing the firmware update.

Note: This DS100 firmware version was validated using Dante firmware version 4.0.7.2. For proper operation please update the Dante firmware correspondingly.

Changes of Dante version 4.0.7.2 against previous version 3.10.0.6:

- Support of Dante Domain Manager
- Support of static IP addressing

07/2018

Changes of V1.04.00 against previous V1.02.06

- En-Scene algorithm for Delay modes Tight and Full improved.
- En-Space algorithm for Delay mode Full improved.

04/2018

Changes of V1.02.06 against previous V1.02.02

Bug fixes:

- Issue with manual Link-Local IP addresses fixed. It is no longer possible to set manual IP addresses outside the private network IP range. The permitted manual IP ranges are:
  - 10.0.0.0 - 10.255.255.255
  - 172.16.0.0 - 172.31.255.255
  - 192.168.0.0 - 192.168.255.255
- Issue with function group delays fixed.
- En-Space individual output gain and mute settings not working properly fixed.
- En-Space individual output pre-delays not correctly set fixed.

03/2018

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Changes of V1.02.02 against previous V1.02.01

Bug fixes:

- Fix for OSC En-Scene positioning message.

02/2018

Changes of V1.02.01 against previous V1.00.06

- Pink noise generator for routing and System check added.
- Reproduction of fast moving sound objects improved.
- Matrix channel and crosspoint Mute functions now smoother.
- Several minor improvements.

02/2018

Changes of V1.00.06 against previous V1.00.03

Bug fixes:

- Crash fixed when sending OSC positions for x and y separately.
- Minor optimizations.

12/2017

V1.00.03

First release of DS100 firmware enabling En-Scene, En-Space and manual matrix operation of DS100.

- Matrix input, output and crosspoint processing.
- En-Scene processing for different Function groups and Delay modes.
- En-Space convolver engine and zone mixer.
- En-Space room library V1.0.0 with six sampled concert halls.
- d&b OSC control protocol V1.0.

12/2017

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