d&b D80/D20 Firmware V2.26.04, Release notes

An amplifier firmware update is performed using the d&b R1 Remote control software. To do this, start R1, navigate to the Service view, select the Firmware tab and download the latest version.

Updating the D80/D20 firmware requires an Ethernet connection to R1. In this case make sure the network does not get interrupted during the process. An interruption during the update process does not harm the amplifier, just restart R1 and repeat the update.

Changes of V2.26.04 against previous V2.26.02

Bug fix:

- Issue with occasional communication timeout after going online in R1 fixed.

06/2022

Changes of V2.26.02 against previous V2.26.01

Bug fix (minor):

- Issue with popping noise when switching XSL8 CUT mode fixed.

02/2022

Changes of V2.26.01 against previous V2.24.02

- XSL setups added (D80 only)

Bug fixes:

- E5 and 5S setups improved.
- SL-Series setups improved (D80 only).
- LoadMatch settings with AmpPresets corrected.
- Improved memory handling preventing reboot and improving flash endurance.

10/2021

Changes of V2.24.02 against previous V2.24.01

Bug fix:

- Issue with limiter of Linear setup fixed.

11/2020

Changes of V2.24.01 against previous V2.22.01

- 44S setup added.

Bug fixes:

- Issue fixed where manual IP address could not be set in mode DHCP + FB.

10/2020

Changes of V2.22.01 against previous V2.20.04

- KSL-SUB setups for ground, flown and AP use added (D80 only).

Bug fixes:

- THC settings are no longer included in AmpPresets.
- Issue with incorrect system backups fixed.

04/2020

Changes of V2.20.04 against previous V2.20.02

Bug fix:

- Issue fixed where occasionally after powering on, audio did not pass through some amplifier channels.

02/2020

Changes of V2.20.02 against previous V2.18.00

- New CPL function for the SL-Series (D80 only). Coupling for low and mid frequencies can now be set separately (CPL low, CPL mid). Available for all GSL and KSL setups (AP, Arc, Line).
- New THC (Temperature & Humidity Control) function for all array-processed setups providing temperature and humidity adjustment without the need for recalculation in ArrayCalc.

Note:

Both the THC function and the new CPL function for the SL-Series require the use of the latest version of ArrayCalc V10.10.0 in combination with R1 V3.10.0.

Bug fixes:

- A-Series setups improved.
- Minor fixes of Input settings and limiters.
- Issue with WebRemote and iOS 13 and macOS Catalina fixed.

12/2019

Changes of V2.18.00 against previous V2.16.02

- A-Series setups added.

Bug fixes:

- Minor fixes of Input settings and limiters.
- Improved stability.

10/2019

Changes of V2.16.02 against previous V2.16.01

Bug fix:

- B8-SUB setup polarity corrected.

07/2019

Changes of V2.16.01 against previous V2.14.04

- B8-SUB setup added.
- Load monitoring now functional when channel is muted.
- Channel error indication on Level screen added.
- Operating data screen added.

Bug fixes:

- Issue with Load monitoring during high level audio program fixed.
- KSL Load match speaker count corrected (D80 only).
- Issue with Web remote control using touchscreens and mouse fixed.
- Reliability of Remote network and firmware storage improved.

04/2019

Changes of V2.14.04 against previous V2.14.03

NOTICE:
An update to this firmware version is strongly recommended.

Bug fix:

- Issue with performance of limiters in V2.14.03 fixed.

12/2018

Changes of V2.14.03 against previous V2.14.01

Bug fixes:

- Issue with device not shown in R1 after powering up without Remote network connection fixed.
- Sporadic signal artifacts when digital inputs are enabled fixed.

11/2018

Changes of V2.14.01 against previous V2.14.00

Bug fix:

- Issue with device not shown in R1 after firmware update when IP mode was set to "DHCP + LL" fixed.

10/2018

Changes of V2.14.00 against previous V2.12.00

- KSL8 and KSL12 setups added (D80 only).

Bug fixes:

- GSL setups improved (D80 only).
- E15-SUB setup improved.
- V-SUB setups improved.
- Sporadic artifacts caused by input pilot tones fixed.
- Issue when updating ArrayProcessing slot data fixed.
- Issue with Q-SYS plugin when calibrating Load monitoring fixed.
- Stability with heavy Ethernet traffic improved.

10/2018

Changes of V2.12.00 against previous V2.10.02

Bug fixes:

- Load monitoring and System check issues fixed.
- Input Override mode now applies Input A3 gain setting.
- Incidental amp protection triggering with 4 x T10 per D20 channel fixed.
- 24S/24S-D limiters improved.
- Minor corrections of 16C and 24C/24C-E setups.
- E4 and 4S limiters improved.
- SL-Series setups improved (D80 only).

04/2018

Changes of V2.10.02 against previous V2.10.01

Bug fix:

- Issue when updating multiple ArrayProcessing slot data with R1 fixed.

10/2017

Changes of V2.10.01 against previous V2.08.02

- GSL8, GSL12 and SL-SUB setups added (D80 only).
- New Backup/Restore function for the complete amplifier configuration via the Web Remote interface.

Bug fixes:

- Digital inputs/SRC: noise and clocking issues fixed.
- Reliability of Load Monitoring improved.

10/2017

Changes of V2.08.02 against previous V2.08.00/01

Bug fixes:

- Y8/Y12 limiters improved.

04/2017

Changes of V2.08.00/01 against previous V2.06.01

- Array verification added.

Bug fixes:

- AmpPreset "modified" status issues fixed.
- ArrayProcessing: Loss of HF-Trim settings after power cycle fixed.

- AutoStandby now disabled when Load Monitoring is active.
- OCA object status inconsistencies between R1and amplifier fixed.

04/2017

Changes of V2.06.01 against previous V2.04.00

- 24S, 24S-D and 21S-SUB setups added.
- ArrayProcessing for T10 line arrays added (setups T10 AP, T-SUB AP).
- Improved stability of network and web remote communication.
- Optional password protection of web remote access.
- Improved display of sync status of digital inputs.
- Minor corrections of E6 and MAX2 setups.

10/2016

Changes of V2.04.00 against previous V2.02.00

- B6-INF setup added (B6-SUB Infra mode).
- LoadMatch for F1220/F1222 enabled.
- New Copy/Paste function in the EQ menu. EQ settings can be copied and pasted to other channels.
- New Link function allowing the linking of the EQ and/or Delay settings across channels.
- New Input Monitoring mode: DS data. The Fallback function can now be triggered if the connected DS10 detects that the Dante channel is not available on either the Primary or the Secondary Dante network.

04/2016

Changes of V2.02.00 against previous V2.00.06

- B22-SUB setup added.
- Support of new HF Trim control for ArrayProcessing.
- **Note:** This feature only works using the latest version of ArrayCalc V8.6.2 in combination with R1 V2.14.2.
- Improved Web Remote control.
- Screen for DS10 channel and stream labels.

Bug fixes:

- Minor fixes of Input management and other features.

11/2015

Changes of V2.00.06 against previous V1.10.03

- V7P and V10P setups added.
- Automatic Standby option.
- New Input management section including:
- Sample rate converter option for digital inputs.
- Gain control for each input.
- Input monitoring.
- Input fallback / override configurations.
- New IP configuration modes.
- 1) Manual
- 2) DHCP + fallback to manual IP (= former “Auto (DHCP)” mode)
- 3) DHCP + Link local (automatic IP when no DHCP present)

Bug fixes:

- Improved accuracy of peak limiters.
- Sporadic wrong delay setting by R1 snapshots corrected.
- System check HF measurement corrected (D20 only).

09/2015

Changes of V1.10.03 against previous V1.10.01

Bug fixes:

- System check calibration corrected.
- Missing B2-SUB setup added (D20 only).

04/2015

Changes of V1.10.01 against previous V1.08.01

- Support of D20 amplifier.
- ArrayProcessing for J–Series added (D80 only).
- ArrayProcessing for V and Y-Series added.
- MAX2 setup added.
- Load monitoring added.

Bug fixes:

- Y-Series setups improved.

04/2015

Changes of V1.08.01 against previous V1.08.00

Identical features as V1.08.00.

Bug fix:

- Some amplifier production batches showed “Amp. firmware mismatch error” after the update to V1.08.00. Now fixed.

  Note:
  If V1.08.00 does not cause this error on your device an update to V1.08.01 is not required.

12/2014

Changes of V1.08.00 against previous V1.06.01

This update is recommended to improve the reliability of the D80. It requires R1 V2.6.0 or higher.

- System check added.
- AmpPresets added.
- Web remote now with a visual feedback for each click.
- Calibration function for touch screen added.

Bug fixes:

- 16C limiter improved.
- Sporadic boot crashes of the D80 fixed.
- Sporadic rebooting in case of Ethernet network overload fixed.

Notes:

- An update to V1.08.00 requires V1.04.00 or higher previously installed and a specific Ethernet wiring. Detailed instructions are provided by R1 when starting the procedure or can be found in the D80 Firmware update tutorial attached to this document.
- When V1.08.00 is installed, the D80 can no longer be downgraded to an earlier firmware version.
- When upgrading from V1.06.01 to V1.08.00, you will need to recalibrate the touch screen using the new calibration function which is available in the “Preferences” menu.

11/2014

Changes of V1.06.01 against previous V1.06.00

- Identical features as V1.06.00. Includes only modifications for d&b production testing processes. An update from V1.06.00 is not required. As a result, V1.06.01 is not available for download.

10/2014

Changes of V1.06.00 against previous V1.04.00

- Y7P, Y10P, Y8, Y12, Y-SUB and B6-SUB setups added.

Bug fixes:

- 16C Limiter settings ⇒ Update recommended!
- Minor fixes.

08/2014

Changes of V1.04.00 against previous V1.02.02

- 16C setup added.
- OCA protocol via Ethernet with full remote control functionality.

06/2014

Changes of V1.02.02 against previous V1.00.25

- 24C and 24C-E setups added.

Bug fixes:

- Wrong operation of OVL and GR LEDs on Channel A fixed.
- Wrong detection of amplifier clock fault fixed.
- Sporadic inoperability of Mute function resolved.

Changes of V1.00.25 against previous V1.00.24

- **NOTICE:**
  An update to this firmware version is strongly recommended.

Bug fixes:

- Algorithm of loudspeaker thermal limiters corrected.
- Minor fixes. Changes of V1.00.24 against previous V1.00.22
- E12-D, C6 and Ci80 setups corrected.
- Deactivation of EQ1 by loudspeaker configuration switches now fixed.
- Rarely occurring SMPS communication error at boot-up fixed.

Changes of V1.00.22 against previous V1.00.01

- Unexpected behavior resulting from an activated delay function in conjunction with the lowest possible delay value fixed.
- Unexpected behavior resulting from D80 fed with a mixture of analog and digital input signals fixed.
- Frequency generator now works when Input mode is set to Digital/Digital and no input signal is present.
- Gain of frequency generator with pink noise harmonized with D6/D12.

Loudspeaker setups

Setup name	**D80** (from version)	**D20** (from version)
10A Arc	V1.00.01	V1.10.00
10A Lin	V1.00.01	V1.10.00
10ADArc	V1.00.01	V1.10.00
10ADLin	V1.00.01	V1.10.00
10S/A	V1.00.01	V1.10.00
10S/A-D	V1.00.01	V1.10.00
12S	V1.00.01	V1.10.00
12S-D	V1.00.01	V1.10.00
12S-SUB	V1.00.01	V1.10.00
16C	V1.04.00	V1.10.00
18S-SUB	V1.00.01	V1.10.00
21S-SUB	V2.06.00	V2.06.00
24C	V1.02.00	V1.10.00
24C-E	V1.02.00	V1.10.00
24S	V2.06.00	V2.06.00
24S-D	V2.06.00	V2.06.00
27S-SUB	V1.00.01	V1.10.00
44S	V2.24.01	V2.24.01
4S	V1.00.01	V1.10.00
5S	V1.00.01	V1.10.00
8S	V1.00.01	V1.10.00
AL60 PS	V2.18.00	V2.18.00
AL60 Out	V2.18.00	V2.18.00
AL60 In	V2.18.00	V2.18.00
AL60 AP	V2.18.00	V2.18.00
AL90 PS	V2.18.00	V2.18.00
AL90 Out	V2.18.00	V2.18.00
AL90 In	V2.18.00	V2.18.00
AL90 AP	V2.18.00	V2.18.00
B1-SUB	V1.00.01	V1.10.00
B2-SUB	V1.00.01	V1.10.00
B22-SUB	V2.02.00	V2.02.00
B4-SUB	V1.00.01	V1.10.00
B6-INF	V2.04.00	V2.04.00
B6-SUB	V1.06.00	V1.10.00
B8-SUB	V2.16.01	V2.16.01
C3	V1.00.01	V1.10.00
C4-SUB	V1.00.01	V1.10.00
C4-TOP	V1.00.01	V1.10.00
C6	V1.00.01	V1.10.00

Setup name	**D80** (from version)	**D20** (from version)
C7-SUB	V1.00.01	V1.10.00
C7-TOP	V1.00.01	V1.10.00
Ci45	V1.00.01	V1.10.00
Ci60	V1.00.01	V1.10.00
Ci80	V1.00.01	V1.10.00
Ci90	V1.00.01	V1.10.00
E0	V1.00.01	V1.10.00
E12	V1.00.01	V1.10.00
E12-D	V1.00.01	V1.10.00
E12-DX	V1.00.01	V1.10.00
E12-SUB	V1.00.01	V1.10.00
E12-X	V1.00.01	V1.10.00
E15-SUB	V1.00.01	V1.10.00
E18-SUB	V1.00.01	V1.10.00
E3	V1.00.01	V1.10.00
E4	V1.00.01	V1.10.00
E5	V1.00.01	V1.10.00
E6	V1.00.01	V1.10.00
E8	V1.00.01	V1.10.00
E8-X	V1.00.01	V1.10.00
E9	V1.00.01	V1.10.00
F1220	V1.00.01	V1.10.00
F1222	V1.00.01	V1.10.00
GSL12 AP	V2.10.01	
GSL12 Arc	V2.10.01	
GSL12 Line	V2.10.01	
GSL8 AP	V2.10.01	
GSL8 Arc	V2.10.01	
GSL8 Line	V2.10.01	
J-INFRA	V1.00.01	
J-SUB	V1.00.01	
J-SUB AP	V1.10.00	
J12 AP	V1.10.00	
J12 Arc	V1.00.01	
J12 Line	V1.00.01	
J8 AP	V1.10.00	
J8 Arc	V1.00.01	
J8 Line	V1.00.01	
KSL-SUB	V2.22.00	
KSL-SUB Fln	V2.22.00	
KSL-SUB AP	V2.22.00	
KSL12 AP	V2.14.00	

Setup name	**D80** (from version)	**D20** (from version)
KSL12 Arc	V2.14.00	
KSL12 Line	V2.14.00	
KSL8 AP	V2.14.00	
KSL8 Arc	V2.14.00	
KSL8 Line	V2.14.00	
Linear	V1.00.01	V1.10.00
M2	V1.00.01	
M4 active	V1.00.01	V1.10.00
M4 passive	V1.00.01	V1.10.00
M6 active	V1.00.01	V1.10.00
M6 passive	V1.00.01	V1.10.00
MAX active	V1.00.01	V1.10.00
MAX passive	V1.00.01	V1.10.00
MAX2	V1.10.00	V1.10.00
Q-SUB	V1.00.01	V1.10.00
Q1	V1.00.01	V1.10.00
Q1-Line	V1.00.01	V1.10.00
Q10	V1.00.01	V1.10.00
Q7	V1.00.01	V1.10.00
SL-SUB	V2.10.00	
SL-SUB AP	V2.10.00	
T-SUB	V1.00.01	V1.10.00
T-SUB AP	V2.06.00	V2.06.00
T10 Arc	V1.00.01	V1.10.00
T10 Line	V1.00.01	V1.10.00
T10-AP	V2.06.00	V2.06.00
T10 PS	V1.00.01	V1.10.00
V-SUB	V1.00.01	V1.10.00
V-SUB AP	V1.10.00	V1.10.00
V10P	V2.00.06	V2.00.06
V12 Arc	V1.00.01	V1.10.00
V12 Line	V1.00.01	V1.10.00
V12-AP	V1.10.00	V1.10.00
V7P	V2.00.06	V2.00.06
V8 Arc	V1.00.01	V1.10.00
V8 Line	V1.00.01	V1.10.00
V8-AP	V1.10.00	V1.10.00
XSL12 AP	V2.26.01	
XSL12 Arc	V2.26.01	
XSL12 Line	V2.26.01	
XSL8 AP	V2.26.01	
XSL8 Arc	V2.26.01	

Setup name	**D80** (from version)	**D20** (from version)
XSL8 Line	V2.26.01	
Y-SUB	V1.06.00	V1.10.00
Y-SUB AP	V1.10.00	V1.10.00
Y10P	V1.06.00	V1.10.00
Y12 Arc	V1.06.00	V1.10.00
Y12 Line	V1.06.00	V1.10.00
Y12 AP	V1.10.00	V1.10.00
Y7P	V1.06.00	V1.10.00
Y8 Arc	V1.06.00	V1.10.00
Y8 Line	V1.06.00	V1.10.00
Y8 AP	V1.10.00	V1.10.00