

## d&b D80/D20 Firmware V2.08.02, 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 V2. 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 V2 and repeat the update.

### 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 R1 and 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

<b>Setup name</b>	<b>D80 (from version)</b>	<b>D20 (from version)</b>
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
4S	V1.00.01	V1.10.00
5S	V1.00.01	V1.10.00
8S	V1.00.01	V1.10.00
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
C3 (High)	V1.00.01	V1.10.00
C3 (Low)	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
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

<b>Setup name</b>	<b>D80</b> (from version)	<b>D20</b> (from version)
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 (High)	V1.00.01	V1.10.00
F1220 (Low)	V1.00.01	V1.10.00
F1222 (High)	V1.00.01	V1.10.00
F1222 (Low)	V1.00.01	V1.10.00
J-INFRA (Front)	V1.00.01	
J-INFRA (Rear)	V1.00.01	
J-SUB (Front)	V1.00.01	
J-SUB (Rear)	V1.00.01	
J-SUB-AP (Front)	V1.10.00	
J-SUB-AP (Rear)	V1.10.00	
J12-AP (High)	V1.10.00	
J12-AP (Low)	V1.10.00	
J12-Arc (High)	V1.00.01	
J12-Arc (Low)	V1.00.01	
J12-Line (High)	V1.00.01	
J12-Line (Low)	V1.00.01	
J8-AP (High)	V1.10.00	
J8-AP (Low)	V1.10.00	
J8-Arc (High)	V1.00.01	
J8-Arc (Low)	V1.00.01	
J8-Line (High)	V1.00.01	
J8-Line (Low)	V1.00.01	
Linear	V1.00.01	V1.10.00
M2 (High)	V1.00.01	
M2 (Low)	V1.00.01	
M4 active (High)	V1.00.01	V1.10.00

<b>Setup name</b>	<b>D80 (from version)</b>	<b>D20 (from version)</b>
M4 active (Low)	V1.00.01	V1.10.00
M4 passive	V1.00.01	V1.10.00
M6 active (High)	V1.00.01	V1.10.00
M6 active (Low)	V1.00.01	V1.10.00
M6 passive	V1.00.01	V1.10.00
MAX active (High)	V1.00.01	V1.10.00
MAX active (Low)	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
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
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	V1.06.00V	V1.10.00
Y8-AP	V1.10.00	V1.10.00

