d&b R1 V2.20.02 Release notes

The R1 Remote control software Version 2 is designed to operate d&b amplifiers remotely using the d&b Remote network based on CAN-Bus (D80, D20, 30D, 10D, D12, D6, E-PAC with Display) and OCA (AES70) via Ethernet (D80, D20, 30D, 10D) technologies. A detailed description of the d&b Remote network and CAN-Bus is given in the TI 312 d&b Remote network. An introduction to Ethernet networks is given in the TI 310 Ethernet networking.

Updating the D80, D20, 10D, 30D with the latest 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.

OS requirement
Windows: Win7 or higher
MacOS: 10.7 or higher

Installation hints
If your firewall application objects to "mDNSResponder.exe", please allow access.

Changes of V2.20.02 against V2.20.00

Bug fixes:
– Function of remote controls no longer lost after copying a control.
– Column width now scales properly on ArrayProcessing view.
– Extended GPIO function introduced with xD firmware V2.10.02 now selectable in Service view.
– No temporary project file saved any more when original file is write protected.

2/2018

Changes of V2.20.00 against V2.18.10

– Support of GSL8 loudspeaker, GSL12 loudspeaker, SL-SUB, SL-GSUB and ArraySight to enable the Preview phase of the new SL-Series.

Bug fixes:
– [WINDOWS] R1 crash when going online with large project files fixed.

10/2017

Changes of V2.18.10 against V2.18.9

– Display control for monitoring digital input sample rates in Remote views added.

Bug fixes:
– Calibration option no longer blocked if not all devices within a source group are online.
– Power and Mute buttons in the System check view no longer disabled when a device in the source group is offline.
– R1 crash with Dx devices connected via CAN and using firmware which does not support Input management fixed.
– Missing EQ properties when saving System settings fixed.
– Correct update of EQ values after timeout when changing EQ values in the amplfier during timeout.

08/2017

Changes of V2.18.9 against V2.18.8

Bug fixes:

– [MacOS] Crash when modifying devices using a track pad fixed.
– Wrong calculation of SystemCheck deviation fixed.
– Function assignment of remote controls does no longer get lost after copying.
– Relative remote controls are now synced and initialized correctly.
– Missing verification of AP data added.

05/2017

Changes of V2.18.8 against V2.18.6

– Array verification added to System check view to easily verify correct loudspeaker cabling.
– Pink noise generator added to System check & Array verification view to manually check a selected loudspeaker.
– File modification date/time is displayed in Recent project list.
– Detailed information on the GPIO states added to Devices view.

Bug fixes:

– Issue with small offset of the delay value using dbCAN fixed.
– Remote controls hidden behind frames and pictures fixed.
– Randomly appearing unequal sign for Remote groups (OCA) fixed by updating firmware to V2.08.xx (10D, 30D, D20, D80).

04/2017

Changes of V2.18.6 against V2.18.5

Bug fixes:

– Issue with URL for application update fixed.
– Wrong link to an empty page corrected when clicking the Home button in the HelpViewer.
– Correct display of way names for Meter controls of 2-way active channels.
– Moving of multiple selected Remote controls in Remote view sped up.
– Correct update of filter names in Service view when changing a loudspeaker.

01/2017

Changes of V2.18.5 against V2.18.3

Bug fixes:

– Prolonged loading time when switching to Online mode fixed.
– Creation time now correctly saved in Snapshots.
– Copy&paste defects in Service and Group views fixed.
– [MacOS] Firmware update from V1.04.00 to V1.08.00 restored.
– [MacOS]Service port is now also detected by other system languages than English and German.
– Copy&paste of a Switch control to change a view no longer loses the assigned target.

12/2016

Changes of V2.18.3 against V2.18.2

Bug fixes:
– Project password protection fixed.
– [MacOS] Crash when Voice over is activated fixed.

10/2016

Changes of V2.18.2 against V2.16.4

– 24S, 24S-D and 21S-SUB setups supported.
– ArrayProcessing for T10 line arrays supported (setups T10-AP, T-SUB-AP).
– Zoom function in Remote views.
– Redesign of menu bar. The Open views bar has been replaced by a Navigation bar which is permanently visible to allow for faster switching between the views.
– Remote views can now also be selected using a Switch control.
– Improved display of sync status of the digital inputs (D80, D20, 10D, 30D).
– Service view: Improved performance when switching the Filter of the Properties.
– The impedance value of a System check can now be displayed either graphically or numerically.
– High DPI support.
– New R70 Properties page.
– Minimized CPU load in Offline mode.
– Minimum OS requirements: Windows 7 and MacOS 10.7.

Bug fixes:
– Issues resulting in a wrong EQ overview in the Channels view fixed.
– Randomly deleted groups when deleting group items fixed.
– Relative control values are now initialized correctly when loading a project.
– Crash fixed when assigning a D80 EQ to a group which also contains a D12.

10/2016

Changes of V2.16.4 against V2.16.2

Bug fixes:
– When switching delay units from milliseconds to meters and back again, the original values are now preserved.
– Increased boundary box of a Meter control after moving around fixed.

05/2016

Changes of V2.16.2 against V2.16.1

– Relative remote controls now have symmetrical ranges and their default values are set to 0. Templates have been adapted accordingly.
– Default values in Offline mode now correspond to the values following an amplifier reset.

Bug fixes:
– Issues resulting from importing ArrayProcessing slots fixed.
– Wrongly displayed unequal sign for ArrayProcessing slots after importing new data fixed.

– Joined groups of remote controls now keeping their group assignment after copy&pasting.

– Changed unit settings now immediately reflected in remote views.

– Step width now based on the correct unit settings.

04/2016

Changes of V2.16.1 against V2.14.4

– B6-INF setup supported (D80, D20, 30D).

– Undo/Redo functions for the Remote views in Configuration mode added.

– For faster response times in larger applications, the A/B selection of the EQ function has now been made optional. The A/B comparison can be activated, if required.

– LED controls can now be assigned to groups (only for static functions).

– A new Input Monitoring mode (DS data) has been added for use with DS-Series devices.

– Remote controls do not get automatic focus when hovering the mouse over them. This avoids changing values accidentally.

– The Remote views in the Home view and the views in the Open views bar can now be sorted using drag & drop.

– To speed up network trouble shooting, your own IP information can be found on the Interfaces->Properties tab if OCA is selected. In addition, remote devices with wrong IP configurations are listed on the Devices->Properties tab.

– The position of the value (text or figures) of a Display control can now be aligned.

– The position of the name of a Frame control can now be aligned.

Bug fixes:

– Projects with a file extension in uppercase letters can now be opened.

– mDNSResponder (dbaudio DNS-SD) no longer crashes when IPv6 PrefixLen is not an multiple of 8.

– [MacOS] Project files having been open in R1 for a long time could no longer be saved on Mac OS X. The path for temporary project files has now been changed.

– [MacOS] Clicking a Digital control while the focus is on another window no longer leads to a locked control.

04/2016

Changes of V2.14.4 against V2.14.2

Bug fixes:

– Missing status icon (disconnected state) in the Devices table fixed.

– Strange symbols in AP Slot name and comment in Windows 10 fixed.

– Wrong values for HF Trim for old data sets corrected.

– Buttons displaying wrong status when actions are triggered through the amplifiers' GPIOs fixed.

– Drag handles displayed by mistake in Tuning mode corrected.

11/2015

Changes of V2.14.2 against V2.12.2

– B22-SUB supported (D80, D20, 30D, D12).

– Support of new HF Trim control for ArrayProcessing.

Note: This feature only works using the latest version of ArrayCalc V8.6 in combination with amplifier firmware V2.02.00

- Import of ArrayProcessing data now also possible when point source groups have been added subsequently in ArrayCalc.
- Display of DS10 channel and stream labels.
- New templates added.

Bug fixes:

- Conversion error in measuring units and delay units when recalling Snapshots and System settings fixed.
- A delay control assigned to a large group no longer generates a "not equal" sign when changing fader or digital control.
- Missing "My templates" folder fixed.
- R60 now detected on Mac OS X with Polish, Russian or Hungarian as system language.

Known issues:

- The R70 is no longer detected on Mac OS X 10.11.x El Capitan. This is a known issue to be solved by Apple. As a workaround, we recommend to go to Preferences/CAN and define a dedicated R70 IP address.

11/2015

Changes of V2.12.2 against V2.12.1

Bug fixes:

- Accidental changing of Digital clock selection (Master/Slave) when loading a project and going online fixed.
- System settings saved using R1 V2.10.x are no longer conflicted.
- Remote control no longer loses target when changing target group with Function unassigned.

09/2015

Changes of V2.12.1 against V2.10.4

- Support of V-Point loudspeakers.
- Color scheme for bright environment added.
- Support of Input management features for D80, D20, 30D and 10D including:

  Sample rate converter option for digital inputs.

  Gain control for each input.

  Input monitoring.

  Input fallback / override configurations.

  These features can be enabled/disabled in the Project settings.
- Multiswitch control is replaced by radio button control in the Remote views.
- Support of Automatic Standby feature for D80, D20, 30D and 10D. This feature can be enabled/disabled in the Project settings.
- Button added to ArrayProcessing view to clear all AP slots of a selected group.

Bug fixes:

- Crash when moving a meter control after decreasing its maximum value below its threshold value fixed.
- Sporadic wrong delay setting by R1 snapshots will be fixed when updating relevant amplifiers to the latest firmware.

09/2015

Changes of V2.10.4 against V2.10.2

– Input gain, Input gain enable and LED display off functions now available for Remote views.
– Selection of several group items in the Remote views sped up.

Bug fixes:

– Crash when changing the sort order in the Devices - Interfaces table fixed.
– Malfunctioning LED controls when opening a project generated with R1 V2.6.x fixed.
– Disappearing ArrayProcessing slot after recalling a Snapshot fixed.

07/2015

Changes of V2.10.2 against V2.8.3

– Support of 10D and 30D amplifiers.
  • GPIOs.
  • Input gain control for all 8 channels.
  • Display of digital input status.

  Note: As the Input Routing now handles up to 8 inputs, the Multiple switch control has been replaced by adequate d&b templates. Old project files containing the Input routing switch are automatically converted when opening the project.
– The name label of a control can now be placed at the bottom, top, left or right of the respective control.
– When a device (OCA) is found but no communication could be established (indicated by a yellow icon), selecting the device will display the IP address on the Properties tab.

06/2015

Changes of V2.8.3 against V2.8.2

Bug fixes:

– E-PAC channel controls are no longer conflicted.
– File names containing an apostrophe can now be opened.
– Automatic assignment of snapshot name to a switch is working again.
– Minor bug fixes in control templates.
– First version that can update D20 amplifier firmware.

04/2015

Changes of V2.8.2 against V2.6.3

– Support of ArrayProcessing including a dedicated System view.
– Reads .dbac2 ArrayCalc files.
– Multiselection of remote controls.
– Remote control templates.
– Snapshots & System settings turned into a System view.
– D20 amplifier supported.
– MAX2 stage monitor supported (D80, D20, D12, D6).
– Load monitoring added.

04/2015

Changes of V2.6.3 against V2.6.2

Bug fixes:

- Missing System check calibration data after R1 restart fixed.
- System check crash on Mac OS fixed.
- No audio output after unsuccessful System check calibration fixed.

02/2015

Changes of V2.6.2 against V2.6.1

Bug fixes:

- Wrong conversion of delay values fixed when using distance settings.
- Wrong conversion of LoadMatch cable length fixed when using imperial settings.
- Missing backward compatibility when System settings include LoadMatch values.
- Crash when not using default installation path fixed.

01/2015

Changes of V2.6.1 against V2.4.3

- d&b System check added (E-PAC, D6, D12 and D80).
- Support of AmpPresets (D6, D12 and D80).
- Device reset and Clear channel functions also possible via OCA (D80).
- Functionalities to Group view added:
  Drag&drop in the group tree.
  Open&close the group tree (recursive).
  Highlighting the channels assigned to a group.
- Remote controls assigned to a group now indicate the complete group path.
- Support of new "App Nap" feature [MacOS 10.9] to prevent R1 from changing to idle mode when in background.

   Note: The new features require D80 firmware V1.08.00. An update to V1.08.00 requires V1.04.00 or higher installed and a specific Ethernet wiring. Detailed instructions are provided by R1 when starting the procedure. This update is recommended to improve the reliability of the D80.

Bug fixes:

- Crash fixed when copying and pasting a picture between projects or between views.
- Different states of Mute controls when using OCA fixed.
- D6 Firmware update via USB now possible with Windows7 and USB3 (for a single D6).
- Changing of size fixed for controls assigned to a two-way active setup after reloading project.

11/2014

Changes of V2.4.3 against V2.4.2

- [MacOS] R1 now supports codesign v2 which is accepted by the latest MacOS version.

Bug fixes:

- No response from EQs after changing between Online and Offline modes fixed.

09/2014

Changes of V2.4.2 against V2.2.1

– Y-Series loudspeakers supported (D80 / D12 / D6).

Bug fixes:

– Problem with copying and pasting frames having the same height as the relevant Remote view fixed.

09/2014

Changes of V2.2.1 against V2.0.11

– OCA protocol via Ethernet added (D80 firmware V1.04.00 or higher required).
– Extended EQ control.
– 16C loudspeaker supported (D80 / D12 / D6).
– Device reset is only possible if the device is not included in a currently open project. To reset a device, close the project, start R1 without loading the project, go to Service view and reset the desired amplifiers.
– Shortcuts for project-related dialogs implemented.
– CTRL+A shortcut available to select all remote controls within a remote view.
– Storing System settings is sped up.
– Devices view now shows the connection status of the amplifiers.
– Assigning the CPL function to a Fader remote control now possible.
– Changing to Show mode also changes to Online mode.

Bug fixes:

– Snapshot conflict due to wrong Input routing value fixed.
– Problems in recalling huge snapshots when using an R60 interface fixed.

– Workaround implemented for R60 in connection with USB 3.0 ports on Windows 7 (workaround supports one R60 only).
– Jumping line control when editing using cursor keys fixed.
– No need to save the project when working in Service view only.
– [MacOS] Firmware update via Service (D12, D6, E-PAC) port fixed.
– [MacOS] Starting an R1 project in Show mode now possible.
– Wrong loudspeaker setup (always E3) when loading an R10 file fixed.
– Copy & paste of joined remote controls fixed.
– Problem fixed when opening R1 project files including diacritical signs in the file name by double clicking.

Known issue:

– Clear button on the Channels tab of the Devices view is disabled when using OCA.

07/2014

Changes of V2.0.11 against V2.0.2

– 24C and 24C-E loudspeakers supported (D80 / D12 / D6).
– Reduced load time of projects and faster moving of controls in the Remote views.
– Replacing of snapshots now possible.

Bug fixes:

– Remote controls can no longer be placed outside of the defined Remote view size.
– Picture control elements stay in the background when selected.
– Problem with invalid system settings fixed.
– Wrong switching of the D80 Input mode to OFF in Offline mode rectified.
– Inconsistent naming corrected.

Changes of V2.0.2 against V2.0.0

Bug fixes:

– Password bug fixed when exchanging R1 files between different system languages or different operating systems.
– Signal interruption on D80 fixed when going online with OCA and 2-way active loudspeakers.
– Crash fixed caused when going online with OCA and switching between Configuration mode and Tuning mode.