

DCN Next Generation 4.41 Release Notes



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DCN Next Generation Release 4.41

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1 This release Contains

The following versions are part of this release:

Product	version
DCN-SW	4.41
DCN-SWSMV	4.40
DCN-SWSACC	4.40
DCN-SWWA	1.11
DCN-DLT (CCU2)	4.41
DCN-CCU2	4.41
HdCameraControl	4.40
DCN-DLT (CCU, NCO)	3.10
DCN-CCU	3.10

2 Improved and added Functionality

Release	Release Date	Release Comments
4.41	2014-11-02	New functionality and improvements <ul style="list-style-type: none"> Improved DCN wireless firmware to make it more robust in environments with a lot of WiFi communication Unresponsive microphone control in Operator application due to network disconnections Added DCN-SW icons to DVD

Release	Release Date	Release Comments
4.40	2014-07-30	<p>New functionality and improvements</p> <ul style="list-style-type: none"> Added Notebooker configuration to the API and DcnApiDemonstrator Added AGC on/off to audio outputs of Audio Expander in Individual Channels mode DCN-CCU2 supports Omneo Media Interface to interface with DCN multimedia Added Mongolian to Concentus display ID cards can be programmed via API with and without CRC Insert and remove of ID card can be executed via API to enable interfacing with third party identification system Windows 8.1 support for DCN-SW Windows 8.1 support for DCN-SWSMV Windows 8.1 support for DCN-SWSACC Windows 8.1 support for HdCameraControl Added Crystal Reports installer to Tools directory. This needs to be installed to print the voting reports from DCN-SWSMV. <p>Note</p> <ul style="list-style-type: none"> Windows Vista is no longer supported for DCN-SW, DCN-SWSMV, DCN-SWSACC, HdCameraControl
4.30	2014-01-31	<p>New functionality and improvements</p> <ul style="list-style-type: none"> DcnHdCameraControl added second video switcher Kramer MV-6 DcnHdCameraControl made screen line configurable DcnHdCameraControl added camera transition time added create groups, rename meetings, rename sessions, request list via API (DCN-SWAPI) including demonstrator application with source code. <p>Fixes</p> <ul style="list-style-type: none"> Increased the vote description from 50 to 130 characters. Individual voting results not translated.
4.21	2013-09-30	<p>Fixes</p> <ul style="list-style-type: none"> Multi channel and multi lingual DCN-SWWA (version 1.1.1) added. Russian helpfile missing in DCN-SW. Previous DCN-SW version cannot be upgraded because database of previous DCN-SW version cannot be upgraded.

Release	Release Date	Release Comments
4.20	2013-07-15	<p>New functionality and improvements</p> <ul style="list-style-type: none"> • DCN-SW added Opinion Poll and Audience Response (requires DCN-SWMV multi voting license) • Select, Summon, Start, Hold, Stop of votings via API (DCN-SWAPI) including demonstrator application with source code. • DCN-SW copy vote and copy session added to Configuration Application and API to improve usability • Master Volume Control and Chairman Priority added to Control API. • Added Vietnamese and Indonesian language to DCN-SW, DCN-SWSMV and DCN-SWSACC • Added get and set System ID for slave CCU's to Open Interface • Response list length increased from 5 to max 25 and made configurable on CCU and via DCN-SW • Number of Open Microphones (NOM) increased from 4 to 25. • Number of seats which can be added to the Notebook increased from 15 to 25. • Increased Operator Application target size • Added group speech timers to DCN-SWSMD (and DcnSmdDemonstrator application) • Added show last minute of speech by blinking microphone LED • Added a new audio routing option to the CCU: Insert no AGC. <p>Fixes</p> <ul style="list-style-type: none"> • DCN-SW added Czech, language to the installer. • Show OI connection on CCU • Solved inconsistencies in showing voting results • Solved SMD error regarding loss of speaker information when chairman speaks and ID cards and speectimers are used. • Voting control on desktop does not show graphs for group results

Release	Release Date	Release Comments
4.10	2013-04-17	<p>New functionality and improvements</p> <ul style="list-style-type: none"> • Start/Stop Meeting and Session and Microphone Management control via API (DCN-SWAPI) including demonstrator application with source code. • Control of the IDesk outgoing channel using DCN Operator Application (requires DCN-SWSI license). • DCN-SW added Voice Activated Microphone Logging to identify which microphone is active in VOICE mode (requires DCN-SWVAML license). Can be used in combination with camera control to see who is speaking in voice mode. • DCN-SW font colour below icons on layout can be changed. • DCN-SW Meeting can be copied (including all settings) using Configuration Application and API. • Demonstrator application including source code for DCN-SWSMD XML streaming meeting data. • HD Camera Control via DCN-SWSMD streaming meeting data. • DCN-SW added Czech language to the GUI. Czech language has to be copied manually, please refer to the Tools\Language\ directory. • Extended the explanation about the TCP connection in Open Interface description. • DCN-SWWA Webcast application added. Only English User interface. Only one audio-channel/language. <p>Fixes</p> <ul style="list-style-type: none"> • DCN-SWSMD information regarding microphone on off. • DCN-SWSMD information empty when session name and description are identical. • Stopping an Operator-control session does not clear request list. • DCN-MR wave form and audio sometimes not in sync. • DCN-SW not all GUI texts fit. • DCN-SWSMV Reset microphone sensitivity ALL MICROPHONES. • DCN-CCU2 can cause acoustic feedback when powered up in Insertion mode. • DCN-SW added Slovenian language to GUI. Made Japanese helpfile part of the installer. Added Thai, Polish and Finnish language to the installer. • DCN-SWSMD Participant is made absent when Chairman speaks in Operator with response mode. • Quorum shows strange behaviour with ID-cards and Secret voting. • Performance and stability improvements on DCN SW Server and Operator Control • Delegate names are not shown in speakerlist when using access control for voting only.
4.03	2012-07-15	<p>Fixes</p> <ul style="list-style-type: none"> • DCN-SW Operator Application can cause a fault pop up upon user login and start session. • DCN-SW Configurator Application can cause a fault pop up when a document will be inserted with a file name that is too long. • DCN-SW Printing Application will not start up in Spanish, Catalan, Portuguese and Polish.
4.02	2012-04-16	<p>Fixes</p> <ul style="list-style-type: none"> • Inserting or withdrawing of ID-cards could lead to fault pop up.

Release	Release Date	Release Comments
4.01	2012-03-01	Fixes <ul style="list-style-type: none"> Auto-relay is always activated when the B-output channel is selected (Using DCN-SW with DCN-SWSI).
4.00	2011-12-02	<ul style="list-style-type: none"> DCN-CCU2 replaces DCN-CCU, DCN-WCCU and DCN-NCO DCN-CCUB2 replaces DCN-CCUB
3.10	2011-07-26	New functionality and improvements <ul style="list-style-type: none"> Simultaneous Interpretation DCN-SWSI added Usher call and speak slowly requests support DCN-SWMD DCN-SW GUI languages: de, ca, en, es, fr, hu, it, jp, ko, lt, nl, no, pt, ru, sv, zh-chs DCN-SW help files languages: de, en, es, fr, it, nl, zh-chs Seat assignment and seat definition improved DCN-SWSACC indicates when DCN-SWSACC licenses is missing.

3 Release Compatibility Restrictions

The following versions are compatible with this release:

Product	Hw	FPGA	SW	FW
DCN-CCU2		na	na	4.4x
DCN-CCU		1.07	--	3.1x
DCN-CCU in multi CCU mode	>=5.0	>=2.17		--
DCN-NCO				
LBB 4120/00 Interpreter desk		>=1.2	--	--
Toggle in DCN-IDEK			>=1.40.xxxx	

The following applications are compatible with this release:

Product	Hw	FPGA	SW	FW
DCN-SW		4.00.3959	4.40	4.40
DCN-SWSMV			4.40	
DCN-SWSACC			4.40	
DCN-MR			2.0	
Download and License Tool			4.40	
DCN-SWWA			1.10	
HdCameraControl			4.40	
Optical devices				5.02

DCN-SWSMV: exporting voting results to PowerPoint is only supported for PowerPoint 2003.
DCN-SWWA requires DCN-CCU(B)2.

Wireless Units:

New firmware is developed for the DCN Wireless units to operate with the DCN-CCU2 (e.g. encryption functionality). This firmware can be uploaded using the Download and License Tool (DLT) and the Upgrade Toolkit (DCN-UPTK). This firmware works with DCN-CCU2 and DCN-WCCU.

Products with the following hardware version have already this firmware installed.

Product	Hw
DCN-WD-D	02/04
DCN-WDD-D	02/04
DCN-WDV-D	02/04
DCN-WDCS-D	02/05
DCN-WDDCS-D	02/05
DCN-WDVCS-D	02/05

4 Software, Firmware & FPGA versions

The table below provides a versions overview of parts which cannot be downloaded using the Download and License Tool or the DCN-UPTK Wireless upgrade Tool kit.
Please contact your local Bosch representative how to update these parts.

The HW column indicates if the Hardware Version of the product is supported for the listed parts.

For product which cannot show the FPGA version, the HW version belonging to the FPGA version is shown between brackets after the FPGA version.

DCN-CCU & DCN-WCCU

FPGA	HW	Fixes
2.23	≥ 4.0	Slow reacting Multi CCU system
2.22	≥ 4.0	Noise or no audio on delegate loudspeaker
2.20	≥ 4.0	Unstable system after start-up due to optical network disturbances
2.19	≥ 4.0	Noise on delegate loudspeaker
2.18	≥ 4.0	Unexpected beeps on delegate loudspeaker fixed

DCN-CCUB

FPGA	HW	Fixes
1.22	≥ 1.0	Noise or no audio on delegate loudspeaker
1.09	≥ 1.0	Noise on delegate loudspeaker
1.08	≥ 1.0	Unexpected beeps on delegate loudspeaker

DCN-CONxx range

FPGA	HW	Fixes / Additions
1.17 (hw1.12)	≥ 1.0	Address might be lost after system restart
1.14 (hw1.10)	≥ 1.0	11Khz noise
SW		
1.10.xxxx (hw1.13)	≥ 1.0	CRC check added for ID-cards

DCN-DDI

FPGA	HW	Fixes / Additions
2.2 (hw02.01)	≥ 1.0	11Khz noise
2.0 (hw02.00)	≥ 1.0	CRC check added for ID-cards

DCN-DIS range

FPGA	HW	Problem fixed
1.20 (hw02.06)	≥ 1.0	11Khz noise
1.18 (hw02.03)	≥ 1.0	Disturbed audio on headphones for channels > 28 Address might be lost after system restart
1.15	≥ 1.0	Channel auto increment equal to DCN-CON
1.13 (hw02.02)	≥ 1.0	Audio distorted on headphones

DCN-FCS

FPGA	HW	Fixes
2.7 (hw02.02)	≥ 2.0	11Khz noise

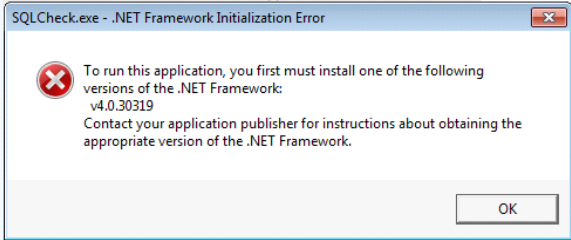
DCN-IDESK

FPGA	HW	Fixes / Additions
2.1	≥ 2.0	11Khz noise
SW		
1.41.xxxx	≥ 1.0	loudspeaker symbol might be shown in front of the quality indicator after leaving the Idesk's installation menu
1.40.xxxx	≥ 1.0	B Toggle added

INT-TX Range

FPGA	HW	Fixes / Additions
02.03	≥ 1.0	The display might show unexpected characters
02.02	≥ 1.0	Improved stability when used in combination with the DCN system
02.01	≥ 1.0	Improved stability when used in combination with the DCN system
02.00	≥ 1.0	Initial version

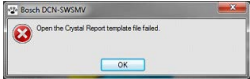
5 Additional Information to the DCN Manuals and Help Files

Reference	What
DCN-SW	<p>When installing DCN-SW on a Windows 7 PC you might get the following notification:</p>  <p>This is because within the time installer checks for framework, SQLServer installation starts which prompt for the framework installation. Please press OK, after this the framework will be installed from the DCN-SW installer and DCN-SW installation will install successful.</p>
Wireless Discussion Units	Wireless Discussion Units which are produced before 2012 need to be upgraded using the DCN-UPTK and DLT (4.xx) in order to operate with a DCN-CCU2.
DCN-SWSMV	<p>Showing voting results in PowerPoint</p> <p>In case PowerPoint is used to show the voting result, it might happen that PowerPoint starts and overlaps the user interface of DCN-SWSMV completely. Use the Windows task bar to select DCN-SWSMV again.</p>
DCN-SWSMV	<p>Printing voting results</p> <p>To print voting results, Crystal Reports needs to be installed. It is located in the Tools directory of the DVD.</p>

6 Trouble Shootings and known issues

This trouble shootings and known issues are in addition to chapter 2 and to the trouble shooting chapter in the user manuals.

Product/function	Problem	Solution
DCN-SW Configuration Application	In rare occasions it can happen that the application closes unintended.	Restart the DCN-SW Configuration Application.
DCN-SW printing individual voting results manually	Individual voting results are not printed when printed manually via Bosch DCN SW Print Application.	Change the voting template accordingly: <ol style="list-style-type: none"> 1. Check the "Automatic print after stop of the voting" checkbox. 2. Change the settings to Total, groups and individuals. 3. Uncheck "Automatic print after stop of the voting" checkbox.
DCN-SW multi PC	Client cannot connect with Server when multiple network adapters are available	Configure the adapter settings in such a way that the network adapter which is used for DCN NG is the highest in the list of connections in Adapters and Bindings
DCN-SW	Delegate both in Request to speak as Request to respond list.	If a delegate is both in the Request to Respond as in the Request to Speak list and you want to shift the Request to Speak to Speaking, first cancel the Request to Respond.

Product/function	Problem	Solution
DCN-SW	On 64-bit operating systems, it might be difficult to find the previous SQL-server during DCN-SW installation, when the initial SQL-installation was not default.	During installation of DCN-SW the installation process might not be able to find the previous SQL-server, in case during initial installation another name for the SQL-server was created, instead of using the default name. Therefore it is recommended to use the default name and folder during initial SQL-installation. If a SQL-server with a non-default name needs to be found, the correct name should be entered manually in the applicable box during DCN-SW installation.
DCN-SW	System overview does not show all connected devices when the system is still powering up.	Wait until the DCN-system is powered up completely and then check the connected devices via the DCN-SW configuration application VIEW \ System Overview.
DCN-SW	DCN-SW Master Volume is different from CCU volume control.	When the Master Volume of the CCU has been changed while DCN-SW was disconnected, the DCN-SW Master Volume will not reflect the CCU-setting. Changing the DCN-SW volume setting will make them identical again.
DCN-SW	Downgrade to versions <3.10 is not possible.	Manually uninstall SWL server 2008. Note that the DCN-SW database (the database contains all settings like seats, meetings, synoptic layouts, etc.) will always be removed during a downgrade.
DCN-SW	Unexpected behaviour or no reaction of DCN-SW.	Due to Windows Automatic Updates some critical components like SQL Server Express might be temporarily not available for DCN-SW. Do not set Automatic Updates to Automatic or restart your system after the Automatic updates have been installed.
DCN-SW	Generates errors after Windows Stand by..	Disable Stand by functionality in the Windows operating system.
DCN-SWPV	Secret mode does not work in ad-hoc voting.	Update to version 2.80 or higher.
DCN-SWPV	Voting attention tone cannot be changed during a running meeting.	The voting attention tone can be changed in the voting template but becomes effective after a vote has been selected or started.
DCN-SW setup repair	Error code 2869 or Fatal error during installation.	Remove DCN-SW with DCN-SW setup and make a new installation. Settings are stored in the SQL-database and can be re-used in the new installation.
DCN-SWSMV	Error notification upon closing DCN-SWSMV directly after opening it. 	Please wait at least 10 seconds to close DCN-SWSMV after opening it.
DCN-SWSMV help file	When opening the help file you get an error.	Just close the error notification.
DCN-SWSMV	DCN-SWSMV will not start.	Voting legends cannot be changed into "Not Voted". Remove "BCPCSettings.xml" which can be found: For XP: "...\\Documents and Settings\\All Users\\Application Data\\Bosch\\DCN Synoptic Microphone and Voting Software\\x.xx" For Vista: "...\\Programdata\\Bosch\\DCN Synoptic Microphone and Voting Software\\x.xx"

Product/function	Problem	Solution
DCN-SWWA	Does not work with DCN-SW	DCN-SWWA 1.1.1 requires DCN-SW 4.2x or later DCN-SWWA 1.0.1 requires DCN-SW 4.1x
DCN-SWWA	Webcast will stop after 12 hours.	Maximum webcast length of a webcast is 12 hours. It will stop automatically.
DCN-SWWA	No audio on SDI input box	With setup, please note if there is no audio, resetting the Audio to SDI box most of the time will solve the problem.
DCN-SWWA	Opinion Poll and Multiple Choice information from DCN-SWSMD is not supported.	none
DCN-SWWAEC	Slave languages not added after using Refresh function.	Refresh webcast will only effect PowerPoint slides. Load webcast will add the languages
DCN-SWWAEC	Webcast will not start on slave PC's.	Close the publisher on slave PC's before starting a new webcast.
Not all text is shown on Webcasting player	For security reasons, all text between the signs '<' and '>' is removed and currently not shown on the webcasting player website.	Do not use the "<" and ">" characters in DCN-SW (e.g. meeting information, session information, voting information, delegate names) or Webcast Planner Website.
Wireless system in combination with Integrus	No audio on DCN wireless units when powering up DCN-CCU2 and Integrus transmitter simultaneous.	First power up the DCN-CCU2. After it is powered up, power up the Integrus transmitter.
Not able to download DCN-CCU2 firmware	DCN-DLT is not able to download the firmware of the CCU	Check if the DCN-SW server is not running: <ol style="list-style-type: none"> Exit the DCN-DLT program Check if the DCN-CCU2 does not report PC on it's display. If it does Stop the DCN-SW server via Start\ <Search programs and files> SERVICES. Services (local). And check if PC disappears. Start DCN-DLT (PC will now re-appear in the CCU2 screen, but that is correct) and start the download. If the download still fails, do the following: <ol style="list-style-type: none"> Power off and open the DCN-CCU2 Set switch 8 of S600 to ON and power on the CCU. Download the CCU using the DCN-DLT. After a succesfull download, power off the CCU, set switch 8 of S600 to OFF again and power on the CCU.
HD Conference Dome	The HD Conference Dome will show an incorrect name & picture combination if a new pre-position is asked before it reaches it's pre-position.	Do not activate another microphone until the HD Conference Dome has reached it's pre-position.
DCN-UPTK	The type of the unit connected to the UPTK is not valid.	This notification can occur when the DCN-UPTK unit is used extensively. Please replace the connection cable.

Product/function	Problem	Solution
DCN-CCU(B)2	Error relays activated upon system reset or firmware download.	During a firmware download or system reset, the system is not in normal operation and thus the error relays can be active.
DCN-CONFF and DCN-CONCM	DNPV answers in voting are not visible in the Concentus screen when a voting timer is activated.	Use a hall display or disable the voting timer.
DCN-SWSACC and Allegiant	Double screenlines are still visible on audience screens after switching to single screenlines.	Restart the Allegiant.
DCN-SWSACC	Upload does not work anymore.	Restart the DCN-CCU or DCN-NCO.
DCN-MR	DCN-MR does not connect to DCN-SW when installed on another PC	<ol style="list-style-type: none"> Open the Meeting Recorder.ini file with notepad it is located here: C:\Users\[USER NAME]\AppData\Roaming\Meeting Recorder if the user name is administrator, the path will be: C:\Users\Administrator\AppData\Roaming\Meeting Recorder Find the variable NCO Ip=x.x.x.x (where x.x.x.x is the IP address of DCN SW server) and below that line; Create a line DCO Ip=x.x.x.x (where x.x.x.x is the IP address of the DCN SW server) NCO Port=20000 NCO Ip=10.120.22.230 DCO Ip=10.120.22.230 CCU Ip=192.168.1.1 Save the Meeting Recorder.ini file
DCN-MR	Windows audio playback is lost after installation DCN-MR 1.3. in windows XP.	Replace files msacm32.drv, msadp32.acm and imaadp32.acm in the windows system32 folder.
Multi CCU systems	System reaction is (very) slow after system startup.	The system might become (very) slow when in a multi CCU system only the NCO is switched off and the rest of the system stays switched on. To prevent this problem: Shutdown all optical devices in the Multi-CCU system.

Product/function	Problem	Solution
DCN-NCO	DCN-NCO cannot be downgraded or upgraded.	<p>A known issue is that DCN-NCO cannot be downgraded from SW 2.70.</p> <p>Workaround</p> <ol style="list-style-type: none"> 1) Install the Download and License Tool of the version you want to use to downgrade or upgrade to. 2) Open Notepad and paste the text below into Notepad <pre> user target password cd /rfa dele PDSDATA1.PDS dele PDSDATA2.PDS bin hash cd /rfa/drv put mmu_3.bit put mif_3.bit cd /bim put dune.bim bye </pre> <ol style="list-style-type: none"> 3) Save the file in Notepad to C:\Program Files\Bosch\Digital Congress Network\Download and License Tool\Files with name dcn-nco.txt 4) Switch off the NCO and set dipswitch 1 of S3 to on, set all other switches to off 5) Switch on the NCO 6) Open a command prompt (start -> run -> cmd) and change to the following folder: C:\Program Files\Bosch\Digital Congress Network\Download and License Tool\Files 7) Download the NCO with the next command line FTP with the command: <i>ftp -n -s:dcn-nco.txt x.x.x.x</i> Where x.x.x.x is the IP-address of the NCO 8) Switch off the NCO and set the dipswitches all to off 9) Switch on the NCO 10) Start the Download and License Tool and start a NCO download.
DCN-CCU DCN-NCO	Local floor muted after download of NCO or CCU	Switch off and on the CCU or NCO
DCN-NCO DCN-CCU, INT-TX04/08/16/32	Unexpected behavior when adding powered system units to the optical ring	In case system units are added to the optical ring when the system is powered on, unexpected behavior can occur. Only connect units to the optical network when all units are powered off.
DCN NCO DCN-CCU INT-TX04/08/16/32	Audio disruption when switching on a transmitter	Select the option "enabled" in menu 4b (network mode).
DCN NCO DCN-CCU INT-TX04/08/16/32	Audio disruption when one of the CCUs is in the mode "--"	Change the slave id "--" to a number. (refer to menu 7I Multi Mode).
INT-TX04/0816/32	The transmitter displays the message "No Network"	Connect a powered DCN Next Generation or DCN wireless system to the transmitter or select the option "standalone" in menu 4b (network mode)

Product/function	Problem	Solution
INT-RX04/08/32	Charging indicator on the receiver is blinking	Check whether the receiver is still working correctly. If this is the case: the battery pack is fully charged and can be recharged after using it a while. If this is not the case: follow the instructions as given in the troubleshooting table.
DCN-CCU	DCN-CCU shows "Multi" while acting in "Single"	When changing from "single" to "multi" mode, the DCN-CCU can remain working in "single" mode. If this is the case follow next procedure: 1. Select "multi" on all connected CCUs 2. Switch off all CCUs. 3. Reset to defaults the NCO. 4. Switch on all CCUs.
DCN-CCU	Audio disruption during powering up/down a CCU in a Multi CCU system	During powering up/down a CCU in a Multi CCU system the audio on the delegate units, connected to the remaining CCU's, is shortly disrupted for 1 to 2 seconds.
DCN-CCU	Loss of settings after reboot of NCO in a Multi CCU system	In case the Network Controller (NCO) in a Multi CCU system is rebooted, the settings and configurations changed during the past 30 seconds can be lost. When configuring interpreter desks wait minimum 30 seconds before reboot the NCO.
LBB 4402/00 LBB 4404/00 PRS-4DEX4	Input routing does not work after download of optical devices	Change all inputs to CH00 and then to the required channel.
INT-TX	Transmitter does not work after updating firmware	Update FPGA to version 2.03 or higher Alternative solution: Update firmware of the INT-TX to version 2.80
DCN-IDENC	DCN-IDENC ID card encoder in not recognized in DCN-SW.	If other card readers/encoders are present or connected to the PC please disable them. Internal readers/encoders can be disabled in the BIOS or in the Windows Device Manager.
CNConfig	Error during installation "...verify that you have access to the directory."	Ensure that you have the required administrator rights. Restart installation.