



# DICENTIS Wireless Conference System



**BOSCH**

en Release Notes

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# 1 History

Release	Release Date	Release Comments
1.77.2305	2024-12-19	<b>Improvements:</b> <ul style="list-style-type: none"> <li>Fixed Japanese translation for Open mode and De-init.</li> <li>Improving security by adding firewall.</li> <li>Improving security by disabling SSH when the DCNM-WAP is in stand alone mode.</li> <li>Added DCNM-WAP serial number on Info page.</li> </ul>
1.76.2161	2023-03-21	<b>Improvements:</b> <ul style="list-style-type: none"> <li>Support for new hardware versions of <ul style="list-style-type: none"> <li>DCNM-WAP HW 02/10</li> <li>DCNM-WDE HW 01/06</li> <li>DCNM-WD HW 01/06.</li> </ul> </li> </ul>
1.75.2148	2022-12-14	<ul style="list-style-type: none"> <li>Fixed analog input and output do not function after upgrade to 1.74.</li> <li>Fixed identification does not function after upgrade to 1.74.</li> </ul>
1.74.2145	2022-11-18	<ul style="list-style-type: none"> <li>Updated Wi-Fi settings for China.</li> </ul>
1.73.2081	2021-01-29	<ul style="list-style-type: none"> <li>Security update. Please upgrade to this version.</li> </ul>
1.71.2026	2020-09-10	<ul style="list-style-type: none"> <li>Added: Nepal can be selected as country for the Wi-Fi settings.</li> </ul>
1.70.1991	2020-07-01	<ul style="list-style-type: none"> <li>Fixed: issues when using an iPad and Safari. Please upgrade iPad to iOS 13.3 or later.</li> <li>Fixed: issues with volume control icon on the browser.</li> <li>Improved: security issues on licensing components.</li> <li>Added: Traditional Chinese as web browser language.</li> <li>Added: Hungarian, Czech, Greek, Traditional Chinese as DCNM-WDE language.</li> <li>Added: possibility to download Open Source Software license from info-page and upgrade page.</li> <li>Added: Voting 100% settings can be configured as Present button, Authorized for voting, Cast votes.</li> <li>Added: Support of Lumens VC-A61P camera.</li> <li>Added: Support of Sony BRC-X400 camera. Disable Security \ Referer check</li> <li>Added: Support of Panasonic AW-UE150 camera.</li> <li>Fixed: admin-password is automatically entered for ONVIF cameras which causes a camera disconnection.</li> <li>Fixed: error 403 when user with only Manage meeting rights opens Manage voting screen.</li> </ul>
1.63.1634	2019-04-05	<ul style="list-style-type: none"> <li>Fixed: Audio can be distorted after power on</li> </ul>
1.62.1589	2019-01-15	<ul style="list-style-type: none"> <li>Fixed: Camera connection issues</li> <li>Fixed: Volume button visibility in the web browser</li> <li>Fixed: Updated WiFi channels for Algeria</li> </ul>

Release	Release Date	Release Comments
1.60.1506	2018-09-13	<ul style="list-style-type: none"> <li>Extended: Support for Onvif compatible cameras with username &amp; password</li> <li>Extended: Support for Sony IP cameras via CGI commands for 300/360 series: Sony SRG-300SE/301SE and SRG-360SHE</li> <li>Extended: Support for Panasonic IP cameras via CGI protocol (HD Integrated Camera Interface Specifications 1.06): AW-HE40, AW-HE50, AW-HE60, AW-HE120, AW-HE130, AW-UE70</li> <li>Fixed: Configuration issues in combination with iPad with iOS 11.3</li> <li>Fixed: TvOne connection errors are logged when Kramer is connected and the other way around</li> <li>Extended: Support for TV One Corio Matrix card: HDMI 4K 1-out</li> </ul>
1.51.1445	2018-06-28	<ul style="list-style-type: none"> <li>Extended: Support for TV One Corio Matrix card: HDMI 4K 1-out</li> </ul>
1.50.1386	2018-04-09	<ul style="list-style-type: none"> <li>Extended: voting functionality with interim results</li> <li>Extended: voting functionality with individual results on/off</li> <li>Fixed: Identification mode cannot be switched when all Identification seat licenses are used.</li> <li>Extended: API with adding persons including NFC-card</li> <li>Fixed: channel switching can stop after some time</li> <li>Fixed: WPA2 security vulnerability</li> <li>Fixed: Windows laptop can subscribe to wireless audio network</li> <li>Fixed: upgrading redundant systems leads to 2 primary WAPs</li> <li>Fixed: available WiFi channels for Egypt</li> <li>Fixed: DCNM-WAP starts up in normal mode before it switches to the configured Audio routing mode, causing feedback</li> </ul>
1.4.1234	2017-09-15	<ul style="list-style-type: none"> <li>Added waiting list can be set to 0</li> <li>Improved the web gui wizard, it enforces the change of the default SSID</li> <li>Added API call for chairperson priority status</li> <li>Improved user experience log in on the DCNM-WDE</li> <li>Fixed, in the web browser the option 'by assignment' works again without DCNM-LSID</li> </ul>
1.31.1170	2017-07-14	<ul style="list-style-type: none"> <li>Improved Wi-Fi channel switching behavior in environments with very high throughput access points from other brands</li> <li>Fixed unsuccessful reset of the secondary WAP</li> <li>Fixed, system remembers the user account after a software update</li> <li>Fixed, dual use devices keep their audio after the system has been powered on via the web browser</li> </ul>
1.3.958	2016-08-01	<ul style="list-style-type: none"> <li>Redundant WAP</li> <li>DCNM-WLIION transportation notice</li> </ul>
1.2.825	2016-05-02	<ul style="list-style-type: none"> <li>Added carrier management</li> <li>Added 25 open microphones</li> <li>Added API Prio call</li> <li>Improved web browser gui</li> <li>Improved Wi-Fi stability</li> <li>Improved channel switching behavior</li> </ul>

Release	Release Date	Release Comments
1.1.742	2015-11-16	<ul style="list-style-type: none"> <li>• Added and changed functionality in RESTful-API:                             <ul style="list-style-type: none"> <li>- Added individual voting results</li> <li>- Added seats call</li> <li>- Value of {id} changed into {id} as used in the seats call for:                                     <ul style="list-style-type: none"> <li>- GET/speakers/available</li> <li>- GET/speakers</li> <li>- POST/speakers</li> <li>- DELETE/speakers</li> <li>- GET/waiting-list/available</li> <li>- GET/waiting-list</li> <li>- POST/waiting-list</li> <li>- DELETE/waiting-list</li> </ul> </li> </ul> </li> <li>- Added system-info</li> </ul>
20150717.633	2015-07-17	<ul style="list-style-type: none"> <li>• Improved audio during microphone switching</li> <li>• Initial version</li> </ul>

## 2 Hardware / software support

It is always advised to upgrade the wireless system to the most recent version. Below table lists which minimum software version is required for the hardware versions.

DCNM-WAP hardware version	DCNM-WDE Hardware version	DCNM-WD Hardware version	Requires DICENTIS Wireless software
02/10	01/06	01/06	1.76 or newer

## 3 GUI languages

	ar	cz	de	en	es	fr	fi	gr	hu	id	it	ja	ko	nl	pl	pt	pt-BR	ru	th	tr	vi	zh-CN	tw-CN
Web	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
WDE	•		•	•	•	•	•			•	•	•	•	•	•	•		•	•	•	•	•	•

## 4 Upgrade software

Immediately upgrade the software of the DICENTIS wireless conference system to the latest version after subscribing the Wireless Devices to the Wireless Access Point. Not upgrading the software might result in undesired system behavior.

**To upgrade the software, please follow the instructions below:**

### First time installation of the system

1. Install the Wireless Access Point and Wireless Devices according to the instructions in the *Installation manual*.
2. Configure the Wireless Access Point via the web browser. Please read the *First use configuration* paragraph in the *Configuration manual*.
3. Subscribe all Wireless Devices to the Wireless Access Point, as described in the *Configuration manual*.

### Download the latest software version

4. Download the latest software version at: <https://licensing.boschsecurity.com/software>
5. Extract the zip-file on your local computer.
6. Read the release notes of the latest software version.

### Upgrade the system to the latest software version

7. Upgrade the Wireless Devices first, and then
8. Upgrade the Wireless Access Point.

Follow the instructions in the *Configuration manual*.

## 5 Known issues

### 5.1 Redundancy

**Issue:**

Both DCNM-WAP devices are in primary mode if they boot up simultaneously, resulting in that only 1 can control the devial use license is not automatically released if a disconnected device with dual use is removed using the button “Remove disconnected seats”.

**Solution:**

Powercycle the DCNM-WAP to have the dual use license to be released.

### 5.2 Licenses

**Issue:**

Dual use license is not automatically released if a disconnected device with dual use is removed using the button “Remove disconnected seats”.

**Solution:**

Powercycle the DCNM-WAP to have the dual use license to be released.

### 5.3 Security check reports vulnerability

**Issue:**

Security check results in Nginx version 1.5.6 – CVE-2014-0133 flag. The vulnerability concerns the spdy module which is part of this Nginx version.

**Solution:**

Our product uses Nginx version 1.5.6 without the mentioned ngx\_http\_spdy\_module module. Because the software does not include the affected module, this vulnerability is not present.

**Issue:**

Security check results in Nginx version 1.5.6 – CVE-2021-23017 flag. The vulnerability concerns usage of the "resolver" directive in the configuration file.

**Solution:**

Our product uses Nginx version 1.5.6 without using the “resolver” directive. Because the software does not use the “resolver” directive, this vulnerability is not present.

### 5.4 ONVIF camera authentications are not shown in the web browser

**Issue:**

ONVIF camera authentication e.g. user name and password changes are not reflected immediately on camera settings page when you enable/disable the authentication settings in the ONVIF camera.

**Solution:**

Reboot the camera or reboot the Bosch DCNM-WAP.

### 5.5 Sony or Panasonic in disconnected state

**Issue:**

Sony or Panasonic camera is showing the thrash icon when changing the network settings of the Bosch DCNM-WAP are changed from receive IP address automatically to fixed IP address or vice versa.

**Solution:**

Reboot the Bosch DCNM-WAP.

### 5.6 Sony SRG-300SE is seen as fixed camera

**Issue:**

Sony SRG-300SE is seen as fixed camera after upgrading to 1.7 software.

To support the new Sony cameras like the BRC-X400 the supported authentication method is changed from Basic authentication to Digest authentication in version 1.7.

**Solution:**

1. Change the authentication mode of the Sony camera from Basic authentication to Digest authentication via the web browser of the camera.

2. Delete the camera from the configuration.
3. Add the Sony camera to the configuration.
4. Assign the seats to the Sony camera again.

## 5.7 API

### Issue:

The API reports an error when individual results are configured when there are no participants present.

### Solution:

Only configure individual results when participants are present.

API data provided on api/voting per PUT request is validated better in API version 1.5 and higher, providing instant feedback on inconsistent settings. It is possible that a 'Bad Request' (400) response is returned when turning on individual results using the 1.4 API ({"individuals": true}), where previously it would reply with 'OK' (200). This will be the case when there are no participants configured in the system or when identification is turned off. Both are required to be able to gather individual results. When these requirements are met, the setting can be successfully turned on.

## 5.8 Network connection

### Issue:

The PC cannot connect anymore after the wizard is finished.

### Solution:

It might happen that the DCNM-WAP changes to a 5GHz channel. Make sure your PC supports 5GHz.

### Issue:

After changing the host name, the WAP is not reachable on the new name.

### Solution:

Re-start the system.

### Issue:

When changing the hostname or (de)activating the fixed IP address in the web browser interface, the laptop/PC loses the connection with the DCNM-WAP.

### Solution:

Close and then re-open the web browser interface.

### Issue:

The DCNM-WAP becomes not accessible via the wired network port on a network with high multicast traffic.

### Solution:

Configure the network port of the switch to which the DCNM-WAP is connected to filter the multicast traffic (IGMP snooping).

### Issue:

The network name of the redundant DCNM-WAP changes after upgrade to Bosch Dicentis.

### Solution:

If there is only 1 DICENTIS Wireless system or you are not using Bosch Dicentis for any other system you do not need to do anything.

If you need to change the network name of the Redundant DCNM-WAP, set it to factory default after upgrade and configure it.

### Issue:

Changing the subnet mask to an incorrect value makes the DCNM-WAP not accessible anymore.

### Solution:

When you change the subnet mask of the wired network connection of the DCNM-WAP to an incorrect value it becomes no longer accessible, because you entered an incorrect value.

To fix this:

1. Power cycle the DCNM-WAP,
2. Connect to the wireless side of the DCNM-WAP
3. Change the value of the subnet mask to a correct value
4. Power cycle the DCNM-WAP.

If that does not succeed, please use the reset button on the DCNM-WAP and instructions in the manual to reset the DCNM-WAP to factory defaults.

## 5.9 Camera connection

### Issue:

The TV-One CORIOmatrix mini does not react to switching commands from the DCNM-WAP when the webpage of the TV-One Corio is used.

### Solution:

Logout from the TV-One CORIOmatrix mini webpage.

### Issue:

The camera is discovered as a fixed camera or the serialnumber is not displayed.

### Solution:

Please enter the correct username and password to make certain that it is properly connected to the system.

### Issue:

The external SDI video switcher does not switch between inputs.

### Solution:

Reset the switcher to factory defaults. Set the TCP connection port number to 5000 for the Kramer MV-6. Set the TCP connection port number to 10001 for the TV-One CORIOmatrix mini.

## 5.10 Wireless transmission

### Issue:

The Range Test might result in disconnect of the browser application when connected to the DCNM-WAP wirelessly.

### Solution:

Start the Range Test from the browser application that is wired connected to the DCNM-WAP.

### Issue:

On rare occasions there could be audio artefacts on a device during a discussion (e.g. when replacing a battery). The small artefacts are only audible when listening very carefully. They will disappear after 3-60 seconds.

### Solution:

Wait for the artefacts to pass by, system will stabilize itself.

## 6 Additional Information (not included in manuals)

## 7 Supported cameras and switchers

### 7.1 Supported cameras

Supported cameras	DICENTIS Wireless
<b>ONVIF Profile-S</b>	
Lumens VC-A53, Lumens VC-TR40, Winsafe AMC-320, AMC-E200TV4 & AMC-G200TH	1.76
Avonic AV-CM70-IP, Avonic AV-CM71-IP, Avonic AV-CM73-IP, Lumens VC-A61P, Lumens VC-A71P, Lumens VC-A51P	1.70
Username & Password authentication	1.60
Bosch IP 4000, Bosch IP 5000	
Lumens VC-A50P	
Avonic AV-CM40-IP	
Bosch VCD-811	1.00
<b>Sony CGI commands</b>	
Sony SRG-A12/SRG-A40	1.76
BRC-X400, SRG-X400, SRG-X120	1.70



<b>Supported cameras</b>	<b>DICENTIS Wireless</b>
Sony SRG-300SE/301SE, SRG-360SHE	1.60
<b>Panasonic HD Integrated Camera Interface Specifications</b>	
AW-UE40, AW-UE50, AW-UE80, AW-UE100, AW-UE150, AW-UE160	1.70
AW-HE40, AW-HE50, AW-HE60, AW-UE70, AW-HE120, AW-HE130	1.60

**7.2 Supported video switchers**

<b>Supported video switchers</b>	<b>DICENTIS Wireless</b>
TV One Corio Matrix card: HDMI 4K 1-out	1.40
TV One CORIOMatrix	1.10
Kramer MV-6 video switch	1.00

**7.3 Connecting to TV-one Corio matrix mini (model C3-310)**

The system can autonomic control the TV-one Corio matrix mini (model C3-310) to let it operate as an HD-SDI switcher. This enables the automatic routing of the images from different cameras to a single video output, that can be used for displaying, recording and/or webcasting applications.

To make this working you need to:

1. Have the DCNM-LCC camera control license on your Wireless Access Point
2. Enter the IP-address of the Corio matrix mini in the SDI Switcher field of the camera settings page
3. Check if the following username & password is available on the Corio matrix mini
  - username user1
  - password: user1pw
  - (this is by default configured)

Regarding the inputs and outputs:

- Up to 6 inputs can be used for cameras, input 1 to input 6. Input 1 is the input with the lowest slot number and the lowest input number. So make certain that your SDI-input card is inserted in a slot with a lower number than input cards with other inputs.
- The video is routed to the output with the lowest slot number and lowest output number.

**7.4 Certified countries**

Although DICENTIS Wireless equipment operates in a license-free band it is subject to local certification regulations. See below the list of countries where the DICENTIS Wireless Conference system is certified. Note that this list is updated regularly.

If you have any questions, or when you encounter a country of interest which is not on the list, please contact your nearest Bosch representative to assist you further.

AX Åland Islands	BE Belgium
AL Albania	BA Bosnia and Herzegovina
DZ Algeria	BR Brasil
AS American Samoa	BN Brunei Darussalam
AD Andorra	BG Bulgaria
AR Argentina	CM Cameroon
AU Australia	CA Canada
AT Austria	KY Cayman Islands (the)
BH Bahrain	CL Chile
BD Bangladesh	CN China
BY Belarus	CX Christmas Island

CC	Cocos (Keeling) Islands (the)	MA	Morocco
CO	Colombia	MZ	Mozambique
CD	Congo (the Democratic Republic of the)	NL	Netherlands (the)
CK	Cook Islands (the)	NZ	New Zealand
CI	Côte d'Ivoire	NG	Nigeria
HR	Croatia	NO	Norway
CY	Cyprus	OM	Oman
CZ	Czech Republic (the)	PE	Peru
DK	Denmark	PH	Philippines (the)
EE	Estonia	PL	Poland
EG	Egypt	PT	Portugal
ET	Ethiopia	PR	Puerto Rico
FK	Falkland Islands (the) [Malvinas]	QA	Qatar
FO	Faroe Islands (the)	RE	Réunion
FJ	Fiji	RO	Romania
FI	Finland	RU	Russian Federation (the)
FR	France	BL	Saint Barthélemy
GF	French Guiana	SH	Saint Helena, Ascension and Tristan da Cunha
PF	French Polynesia	MF	Saint Martin (French part)
TF	French Southern Territories (the)	PM	Saint Pierre and Miquelon
GE	Georgia	SM	San Marino
DE	Germany	SA	Saudi Arabia
GH	Ghana	RS	Serbia
GR	Greece	SG	Singapore
GL	Greenland	SK	Slovakia
GP	Guadeloupe	SI	Slovenia
GU	Guam	ZA	South Africa
GG	Guernsey	GS	South Georgia and the South Sandwich Islands
VA	Holy See (the)	ES	Spain
HK	Hong Kong	LK	Sri Lanka
HU	Hungary	SJ	Svalbard and Jan Mayen
IS	Iceland	SE	Sweden
IN	India	CH	Switzerland
ID	Indonesia	TW	Taiwan (Province of China)
IE	Ireland	TJ	Tajikistan
IM	Isle of Man	TZ	Tanzania, United Republic of
IT	Italy	TH	Thailand
JP	Japan	TL	Timor-Leste
JE	Jersey	TK	Tokelau
KZ	Kazakhstan	TN	Tunisia
KE	Kenya	TV	Tuvalu
KR	Korea (the Republic of)	UG	Uganda
KW	Kuwait	UA	Ukraine
KG	Kyrgyzstan	AE	United Arab Emirates (the)
LV	Latvia	GB	United Kingdom of Great Britain and Northern Ireland (the)
LB	Lebanon	UM	United States Minor Outlying Islands (the)
LI	Liechtenstein	US	United States of America (the)
LT	Lithuania	UY	Uruguay
LU	Luxembourg	UZ	Uzbekistán
MK	Macedonia (the former Yugoslav Republic of)	VU	Vanuatu
MY	Malaysia	VN	Viet Nam
MT	Malta	VG	Virgin Islands (British)
MQ	Martinique	VI	Virgin Islands (U.S.)
YT	Mayotte	WF	Wallis and Futuna
MX	Mexico		
MC	Monaco		
ME	Montenegro		