

DCNM-WD Wireless discussion device

DICENTIS



The Wireless Device (DCNM-WD) of the DICENTIS Wireless Conference System enables participants to speak, register a request-to-speak, and listen to a speaker during a meeting.

The device can be easily configured as a single-use, dual-use or chairperson Wireless Device via the web browser interface of the Wireless Access Point (DCNM-WAP).

Functions

General

- The Wireless Devices connect to the DCM-WAP.
- Single-use, dual-use or chairperson can be configured via the web browser interface.
- Audio mute button.
- Operates in the (license-free) bands:
 - 2.4 GHz.
 - 5 GHz (UNII-1, UNII-2, UNII-2 extended, and UNII-3).
- Dual use functionality by use of software module.

Speech intelligibility

- Maximum speech intelligibility is guaranteed at all times.
- The Wireless Devices connect to the DCM-WAP.
- They produce crystal-clear sound due to a very high signal-to-noise ratio and smart frequency selection.
- The loudspeaker and microphone can be active at the same time for a face-to-face meeting experience. To prevent acoustic feedback, a feedback suppressor is built-in.

- ▶ Removable Battery Pack, easy to change and charge
- ▶ Configurable as a participant, dual-use or chairperson Wireless Device by use of web browser interface
- ▶ Functionality can be expanded with software modules without the need for hardware modification

Zero Interference

- Based on standard WiFi.
- Seamless automatic frequency channel switching.
- WiFi coverage area range test.
- Packet Loss Concealment.

Security

- The DICENTIS Wireless Conference System and Wireless Devices have secure connectivity using WPA2 to prevent eavesdropping and unauthorized access.
- Encryption ensures that information within the system remains confidential.

Microphones

- A socket is provided to connect a pluggable microphone (DCNM-HDMIC, DCM-MICS or DCM-MICL).

Headphones and loudspeakers

- The Wireless Devices accommodate two headphone connections and controls (on the left and right-hand side), so the speaker can be clearly heard, even when there is excessive background noise.

Battery maintenance

- Rechargeable Battery Pack (DCNM-WLIION).
- The lithium-ion Battery Pack can be removed and replaced in a matter of seconds, providing maximum flexibility in recharge scheduling.
- Smart battery management via web browser interface control (battery status and usage counting time).

Controls and Indicators

- On top side:
 - Microphone with a red or green indicator:
 - **Red** indicates microphone is active.
 - **Green** indicates request-to-speak accepted.
 - LED indicators on device showing:
 - Microphone on state – **Red**.
 - Possible-to-speak – **White**.
 - Priority – **White** (Chairperson only).
 - Request-to-speak – **Green**.
- On the left and right-hand side
 - Headphone rotary volume controls.
- On rear-side:
 - Yellow out-of-range of Wireless Access Point LED indicator.
 - Red battery low LED indicator.
- Under base-side:
 - Recessed, so called ‘De-init,’ switch to disconnect the connected Wireless Device with the Wireless Access Point (DCNM-WAP).

Interconnections

- Socket for pluggable microphone.
- Two 3.5 mm (0.14 in) headphone sockets stereo jack type.

Installation/configuration notes

This is a professional product that should be installed, used and maintained by trained professionals only.

Parts included

Quantity	Component
1	DCNM-WD Wireless Device

Technical specifications

Electrical

Input voltage (VDC)	7.50 VDC
Power consumption (W)	4.50 W
Operating time (h)	> 24 h (20% speech, 80% listening)
Frequency response (-3 dB) (Hz)	100 Hz – 20,000 Hz
Total harmonic distortion + noise (%)	0.10%
Minimum dynamic range (dB)	90 dB
Minimum signal-to-noise ratio (dB)	90 dB
Headphone load impedance (ohm)	32 ohm - 1000 ohm

Maximum output power (mW)	15 mW
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Radio

Wi-Fi standard	IEEE 802.11n
Frequency band	2.4 GHz and 5 GHz (ISM license free)

Audio inputs

Nominal acoustic input level (dB SPL)	80 dB SPL
Maximum acoustic input level (dB SPL)	110 dB SPL

Audio outputs

Nominal acoustic output level (dB SPL)	72 dB SPL
Maximum acoustic output level (dB SPL)	80 dB SPL
Nominal output level (dBV)	0 dBV
Maximum output level (dBV)	3 dBV

Mechanical

Mounting type	Tabletop
Dimensions (H x W x D) (mm)	72 mm x 259 mm x 139 mm
Dimensions (H x W x D) (in)	2.80 in x 10.20 in x 5.50 in
Weight (g) (without battery pack)	590 g
Weight (lb) (without battery pack)	1.30 lb
Weight (g) (with battery pack)	1051 g
Weight (lb) (with battery pack)	2.32 lb
Color (RAL)	RAL 9017 Traffic black

Environmental

Operating temperature (°C)	5 °C – 45 °C
Operating temperature (°F)	41 °F – 113 °F
Storage temperature (°C)	-20 °C – 70 °C
Storage temperature (°F)	-4 °F – 158 °F
Operating relative humidity, non-condensing (%)	5% – 95%

Ordering information

DCNM-WD Wireless discussion device

DICENTIS Wireless Device. Pluggable microphone and battery pack to be ordered separately.

Order number **DCNM-WD | F.01U.298.719**

F.01U.374.037 F.01U.400.631 F.01U.429.668

Accessories

DCNM-HDMIC High directive microphone

DICENTIS High Directive Microphone for the DICENTIS Conference System or DICENTIS Wireless Conference System.

Order number **DCNM-HDMIC | F.01U.269.132**

F.01U.374.038

DCNM-MICS Microphone with short stem

DICENTIS short stem microphone for the DICENTIS Conference System or DICENTIS Wireless Conference System.

Order number **DCNM-MICS | F.01U.288.448**

F.01U.374.039

DCNM-MICL Microphone with long stem

DICENTIS long stem microphone for the DICENTIS Conference System or DICENTIS Wireless Conference System.

Order number **DCNM-MICL | F.01U.288.447**

DCNM-WLIION Battery pack for DCNM-WD

Battery Pack for Wireless Device (DCNM-WD and DCNM-WDE), lithium-ion, 7.20 - 7.50 VDC, 12,800 mAh, in charcoal.

Order number **DCNM-WLIION | F.01U.298.790**

F.01U.410.599

DCNM-WCH05 Charger for 5x battery packs

Charger for charging up to 5 Battery Packs (DCNM-WLIION). Color traffic black: RAL 9017.

Order number **DCNM-WCH05 | F.01U.298.809**

F.01U.400.589 F.01U.429.667

DCNM-WTCD Transport case wireless sys, 10x DCNM-WD

Transport case for storing and transporting ten DICENTIS wireless discussion devices, ten high-directive microphones, ten short or long stem microphones, WAP, PSU, and two chargers.

Order number **DCNM-WTCD | F.01U.336.014**

Software Options

DCNM-LSDU License for 2 seats per device

DICENTIS software license for enabling dual-use at seat in the DICENTIS Discussion device, DICENTIS Discussion device with language selector, DICENTIS Discussion device with touchscreen, and DICENTIS wireless devices.

Order number **DCNM-LSDU | F.01U.310.246**

Services

EWE-DCNWD-IW 12 mths wrty ext DICENTIS Wireless Dev

12 months warranty extension

Order number **EWE-DCNWD-IW**



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