

# DCNM-WD Wireless discussion device

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Invented for life



- ▶ 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

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 DCNM-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 DCNM-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.

### 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, DCNM-MICS or DCNM-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.

### Certifications and approvals

EU	CE
US	FCC
CA	ISED
KR	KC
AU/NZ	RCM
RU/KZ/BY	EAC
JP	MIC
CN	China RoHS, CMIIT
SA	SASO, CITC
BR	ANATEL

Region	Regulatory compliance/quality marks	
Europe	CE	DECL EC DCNM-WD
Turkey	TSE	DCNM-WDE-WD-WAP

### Parts included

Quantity	Component
1	DCNM-WD Wireless Device

### Technical specifications

#### Electrical

Supply voltage (battery pack)	7.5 Vdc
Power consumption	4.5 W
Operating time DCNM-WD	> 24 hours (20% speech, 80% listening)
Frequency response	100 Hz – 20 kHz (-3 dB at nominal level)
THD at nominal level	< 0.1 %
Dynamic range	> 90 dB
Signal-to-noise ratio	> 90 dB
Headphone load impedance	> 32 ohm < 1k ohm
Headphone output power	15 mW

#### Radio

WiFi standard	IEEE 802.11n
Frequency Range	2.4 GHz and 5 GHz (ISM license free)

#### Audio inputs

Nominal microphone input	80 dB SPL
Maximum microphone input	110 dB SPL

#### Audio outputs

Loudspeaker nominal output	72 dB SPL at 0.5 m
Loudspeaker maximum output	80 dB SPL
Headphone nominal output	0 dBV
Headphone maximum output	3 dBV

#### Mechanical

Mounting	Tabletop
Dimensions (H x W x D) without microphone	72 x 259 x 139 mm (2.8 x 10.2 x 5.5 in)
Weight: DCNM-WD DCNM-WD + Battery Pack	590 g (1.30 Lb) 1051 g (2.32 lb)
Color (top and base)	Traffic black (RAL 9017)

**Environmental**

Operating temperature	5 °C to +45 °C (41 °F to +113 °F)
Storage and transport temperature	-20 °C to +70 °C (-4 °F to +158 °F)
Relative humidity	< 95 %, > 5%

**Ordering information****DCNM-WD Wireless discussion device**

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

Order number **DCNM-WD**

**Accessories****DCNM-HDMIC High directive microphone**

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

Order number **DCNM-HDMIC**

**DCNM-MICS Microphone with short stem**

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

Order number **DCNM-MICS**

**DCNM-MICL Microphone with long stem**

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

Order number **DCNM-MICL**

**DCNM-WLIION Battery pack for DCNM-WD**

Battery Pack for Wireless Device (DCNM-WD and DCNM-WDE), lithium-ion, 7.5 Vdc, 12800 mAh, color: Charcoal.

Order number **DCNM-WLIION**

**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**

**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**

**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**

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