ADN and ADN-W: wired and wireless digital conference solution

Digital Salesfolder Version 1.1
ADN / ADN-W

The Audio Distribution Network – so intelligent, it’s worth talking about.

Structure, substance and clarity are the fundamentals of successful communication; they’re also the key characteristics of Sennheiser’s ADN / ADN-W digital conference solution. This system lets you create the ideal audio environment for any type of conference – in top audio quality, with a structured system design approach and with absolutely reliable manufacturing quality.
6 Simple Reasons for ADN / ADN-W.

OPTIMUM SPEECH INTELLIGIBILITY
Everyone can understand everything and everybody.

SIMPLE AND RELIABLE
Reduce implementation cost, minimize your setup time.

FUTURE PROOF
Reduce maintenance with free software updates.

REduced SYSTEM COST
Minimize the TCO and increase your efficiency.

UNOBTRUSIVE DESIGN
ADN fits into contemporary architectural environments.

WIRELESS INTEGRATION
The new wireless units allows for a quick and flexible setup.

OPTIMUM SPEECH INTELLIGIBILITY
REDUCED SYSTEM COST
UNOBTRUSIVE DESIGN
WIRELESS INTEGRATION
Your benefits:

- Advanced directional microphones for a relaxed speaking position
- Twin loudspeakers with balanced sound for comfortable listening
- Acoustic feedback and background noise are effectively suppressed
- XLR Mix Minus mode prevents irritating echo effects in conferences with remote participants

Sennheiser: sound expertise for successful conferences. You’ll be surprised, what a difference clear speech makes.
The ADN conference terminal – A statement in itself.

Chairman Unit ADN C1 and Delegate Unit ADN D1

- High-quality Sennheiser microphone
- Stylish modern design with concealed cable connections
- Headphone connection with volume control on all microphone units
- Intuitive operation

Reliable, Secure, Intelligent and Flexible.

Your benefits:

- Reliability: Automatic dynamic frequency management in 2.4 and in 5 GHz
- Pattern diversity antennas in each conference unit to avoid any kind of disturbance
- Security: 128-bit AES encryption prevents unwanted eavesdropping
- Intelligibility: Great acoustics through KE10 and ME36 Sennheiser capsules
- Connectivity: State-of-the-art interfaces for remote media and PC control
- Flexibility: ONE system approach for ADN and ADN-W
The ADN-W conference terminal – Wireless flexibility.

Chairman unit ADN-W C1 and Delegate unit ADN-W D1

- High quality Sennheiser microphones
- Stylish modern design with integrated battery pack
- Detachable goose-neck microphone variants
- RF and battery status LEDs
- Headphone socket for individual volume control

Different Gooseneck variants available

Replaceable Battery Pack
ADN-W AM Antenna module – Seamless Integration in the ADN Network.

- Robust metal housing
- Unobtrusive design and colour for smooth room integration
- Several mounting options: Ceiling, Wall, Tripod, Table
- 30m / 100ft coverage radius
- Diversity antennas
- Powered via ADN bus or DC power adapter
ADN-W L 10 charger – Power for your wireless terminals.

ADN-W L 10 rack-mount charger

- 10 x charging slots for ADN-W BA
- 19" rack-mountable
- Monitoring LEDs for charging status and capacity check
- Mains cable included in country variant (EU/UK/US)
Your benefits:

■ Plug and play system with automatic unit initialisation
■ Hot plug capability for wired and wireless units
■ Control and monitoring onboard or via remote software
■ Automatic system test ensures correct conference setup
■ Multi-language user interfaces

It’s communication. Not rocket science.
The easy route to perfect connectivity.
ADN / ADN-W Central Unit – Unmatched ease of use and flexibility.

- Intelligent audio processing to optimise intelligibility
- Pre-installed control software
- Open media control protocol over Ethernet
- Conference recording via USB
- Powers up to 40 and controls up to 400 conference units
- Supports ADN and AND-W Terminals (via ADN-W AM Antenna Module)
ADN Power Supply – All the power you need.

- Increase system size to up to 400 units
- Each ADN PS supports 40–70 conference units
- Allows redundant ring cabling for increased failure-safety
- Status LEDs indicate cabling type
Sennheiser: sound expertise for successful conferences.

You will be surprised how clear a conference system can sound.

Your benefits:

- Less implementation costs and minimized setup time means you can handle projects more efficiently – at lesser total costs
- ADN-W can be easily implemented in existing ADN Installations
- Pre-installed software including free software updates
- Download the Cable Calculator for free – a separate app for exact system installation planning
- Central Unit: pre-configured key functions – can be operated with your preferred media control system
- Easily extendable to up to 400 discussion units with external ADN power supply unit

Quick to install – Quick to benefit.
Successful communication is now easier than ever.
The Application matrix – Unlimited possibilities.
Organize each and every detail of your conference with the conference manager included in the ADN / ADN-W digital conference solution. Simply connect monitor, keyboard and mouse, and the system can be controlled intuitively on the Central Unit itself. Alternatively an external PC or a media control system can be used. The conference manager software itself is very easy to operate thanks to an uncluttered user interface. Produce custom seating plans (with a picture of the conference room in the background), adjust volume levels and start the conference mode. Master every aspect, control every detail – precisely and easily.

- Intuitive workflow
- Ethernet network compatible
- Direct access to all parameters
- Multi-language user interface
- Batterie status and wireless link quality monitoring for all ADN-W terminals
ADN-W CASE – Flexible and well stored.

ADN-W CASE modules:

- Heavy-duty case for reliable storage and transport
- Integrated charging compartments for complete units
- Modular case concept for flexible use
Product overview

**ADN D1 and ADN C1**

<table>
<thead>
<tr>
<th>Dimension (excl. microphone)</th>
<th>ADN-D1</th>
<th>ADN-C1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>700 g</td>
<td>780 g</td>
</tr>
<tr>
<td>Operating temperature range</td>
<td>+10 °C</td>
<td>+40 °C</td>
</tr>
<tr>
<td>Headphone connection</td>
<td>3.5 mm</td>
<td>3.5 mm</td>
</tr>
<tr>
<td>Distortion (at 1 kHz)</td>
<td>0.03 %</td>
<td>&gt; 70 dB</td>
</tr>
<tr>
<td>Signal-to-noise ratio</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Directional characteristic</td>
<td>Super-cardioid</td>
<td></td>
</tr>
<tr>
<td>Microphone frequency response</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**ADN-W D1 and ADN-W C1 (NEW)**

<table>
<thead>
<tr>
<th>Dimension (excl. microphone)</th>
<th>ADN-W D1</th>
<th>ADN-W C1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>940 g</td>
<td>940 g</td>
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</table>

**ADN-W BA (NEW)**

<table>
<thead>
<tr>
<th>Dimension (excl. microphone)</th>
<th>ADN-B1</th>
<th>ADN-B1</th>
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<tbody>
<tr>
<td>Weight</td>
<td>404 g</td>
<td>404 g</td>
</tr>
<tr>
<td>Charging voltage</td>
<td>12 V</td>
<td>12 V</td>
</tr>
<tr>
<td>Charging current</td>
<td>2.5 A</td>
<td>2.5 A</td>
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</tbody>
</table>

**ADN-W MIC 15 / 36 (NEW)**

<table>
<thead>
<tr>
<th>Dimension (excl. microphone)</th>
<th>ADN-W MIC 15 / 36</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>approx. 185 x 67 x 180 mm / 7.28&quot; x 2.48&quot; x 7.09&quot;</td>
</tr>
<tr>
<td>Charging voltage</td>
<td>120 dB</td>
</tr>
</tbody>
</table>

**ADN-W MIC 15 / 36 (NEW)**

<table>
<thead>
<tr>
<th>Dimension (excl. microphone)</th>
<th>ADN-W BA (NEW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>approx. 404 g</td>
</tr>
<tr>
<td>Charging voltage</td>
<td>12 V</td>
</tr>
<tr>
<td>Charging current</td>
<td>2.5 A</td>
</tr>
</tbody>
</table>
Product overview

**ADN CU1**
- **Dimensions**: 417 x 100 x 345 mm (W x H x D)
- **Weight**: approx. 6.5 kg / 14.3 lbs
- **Input voltage**: 100 to 240 V~/ 50 – 60 Hz
- **Power consumption**: max. 245 W
- **Output voltage on RJ-45 EtherCAT**: 52.8 V
- **Nominal output current**: max. 1.75 A
- **Operating temperature range**: +5 °C to +50 °C
- **Impedance level**: max. +18 dBu / min. -18 dBu

**ADN PS**
- **Dimensions** (without rack-mount brackets and rubber feet): 417 x 100 x 168 mm (W x H x D)
- **Weight**: approx. 4.6 kg / 10.14 lbs
- **Input voltage**: 100 to 240 V~/ 50 – 60 Hz
- **Power consumption**: max. 385 W
- **Output voltage on PORT I / II Output 1 / 2**: max. 1.75 A per port
- **Operating temperature**: +5 °C to +50 °C
- **Storage temperature**: -25 °C to +70 °C

**ADN-W AM (NEW)**
- **RF Frequencies**: 2,4 GHz; 5,1 - 5,9 GHz
- **RF transmitting power**: up to 100mW
- **Dimensions**: approx. 226 x 181 x 58 mm (W x H x D)
- **Weight**: 1660 g / 3.66 lbs
- **Input voltage**: 12 - 15V
- **Power consumption**: 6W

**ADN-W L 10 (NEW)**
- **Input voltage**: 100 - 240 V~
- **Power consumption**: max. 250 W
- **Charging voltage**: 52.8 V
- **Charging current**: max. 10 x 1.6 A
- **Charging time**: up to 4h
- **Dimensions**: 483 x 138 x 310 mm (W x H x D)
- **Weight**: approx. 6.8 kg / 15 lbs
- **Operating temperature**: +5 °C to +50 °C
- **Storage temperature**: -25 °C to +70 °C