



# ADN

## ADN-W D1

### FEATURES

- Interference-free and eavesdropping-proof transmission in the 2.4 GHz and 5 GHz frequency bands
- 128-bit AES encryption
- Exchangeable ADN-W BA Lithium-Ion battery pack for more than 20 hours operating time
- Screw-on microphone socket for connection of an ADN-W MIC gooseneck microphone
- Broadband twin loudspeaker system
- Integrated DSP limiter
- 3.5 mm headphone socket and headphone volume control
- Modern design

### DELIVERY INCLUDES

- ADN-W D1 delegate unit
- Quick Guide
- Safety Guide



The ADN-W D1 wireless delegate unit offers excellent speech intelligibility and ease of use. Powered by the exchangeable ADN-W BA battery pack, the unit offers more than 20 hours operating time. The delegate unit features a microphone key that functions either as an on/off switch or as a request-to-speak button. The unit is equipped with a high-performance broadband twin loudspeaker system for decentralized sound reinforcement. A screw-on microphone socket is provided to connect a super-cardioid ADN-W MIC gooseneck microphone (available in different lengths and frequency responses). The wireless delegate unit with its battery pack can be charged in the ADN-W CASE UNITS or using the NT 12-50C DC power supply.

### ARCHITECT'S SPECIFICATION

A wireless digital desktop conference unit designed for use as a delegate version in a wireless digital conference system.

The delegate unit shall be designed for excellent speech intelligibility and ease of use. It shall connect to the conference system via the ADN-W AM antenna module and shall operate in both the 2.4 GHz and the 5 GHz frequency band for reliable, interference-free communication with the antenna module. The delegate unit shall have built-in PCB antennas with pattern diversity and a coverage area of 30 m (100 ft) radius. The unit's RF output power shall be adjustable from 25 to 100 mW. To prevent unauthorized access and eavesdropping, the unit shall use 128-bit AES encryption.

Power to the unit shall be supplied by the exchangeable ADN-W BA battery pack with an operating time of more than 20 hours. The unit with its battery pack shall be rechargeable in the ADN-W CASE UNITS charging case or using the NT 12-50C DC power supply.

The unit shall have a high-quality and rugged plastic housing and shall feature a microphone key with a bicolor LED ring for microphone status indication. The microphone key shall function either as an on/off switch or as a request-to-speak button. A high-performance broadband twin loudspeaker system shall be provided for decentralized sound reinforcement and an integrated DSP limiter shall protect against excessive input signals. The unit shall have a screw-on microphone socket for connection of a super-cardioid ADN-W MIC gooseneck microphone.

A 3.5 mm headphone socket and a headphone volume control shall be provided.

The headphone output level shall be 50 mW / 16. THD (at 1 kHz) shall be 0.03% at 50 mW / 16. The loudspeaker frequency response shall be 100 to 14,500 Hz. Signal-to-noise ratio shall be > 70 dB(A). Dimensions without gooseneck microphone shall be 185 x 67 x 180 mm (7.28" x 2.48" x 7.09"). Weight including the battery pack shall be approximately 940 g (2.07 lbs). The operating temperature shall range from +5 °C to +45 °C (+41 °F to +113 °F) and the operating relative humidity shall be from 20 to 80 percent.

The wireless digital desktop delegate unit shall be the Sennheiser ADN-W D1.



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## ADN-W D1

### SPECIFICATIONS

Frequency range	2.4 / 5.1 to 5.9 GHz	THD (at 1 kHz)	0.03% at 50 mW / 16
RF output power	25 to 100 mW	Loudspeaker frequency response	100 to 14,500 Hz
Antennas	built-in PCB antennas with pattern diversity	Signal-to-noise ratio	> 70 dB(A)
Coverage area	30 m (100 ft) to ADN-W AM antenna module	Dimensions (W x H x D) w/o gooseneck microphone	185 x 67 x 180 mm (7.28" x 2.48" x 7.09")
Power supply	7.4 V <sub>DC</sub> via ADN-W BA battery pack	Weight	approx. 940 g (2.07 lbs) incl. battery pack
Operating time	> 20 h with battery pack	Operating temperature range	+5 °C to +45 °C (+41 °F to +113 °F)
Charging time of battery pack	approx. 4 h	Operating relative humidity	20 to 80 %
Audio quality	16 bit / 32 kHz		
Headphone connection	3.5 mm stereo jack socket		
Headphone output level	50 mW / 16		

### PRODUCT VARIANTS

<b>ADN-W D1</b>	Art. no. 504748
<b>ADN-W C1</b>	Art. no. 504745

### ACCESSORIES

ADN-W	BA	Art. no. 504744
ADN-W	MIC 15-39	Art. no. 504750
ADN-W	MIC 36-29	Art. no. 504751
ADN-W	MIC 15-50	Art. no. 504752
ADN-W	MIC 36-50	Art. no. 504753

### DIMENSIONS

