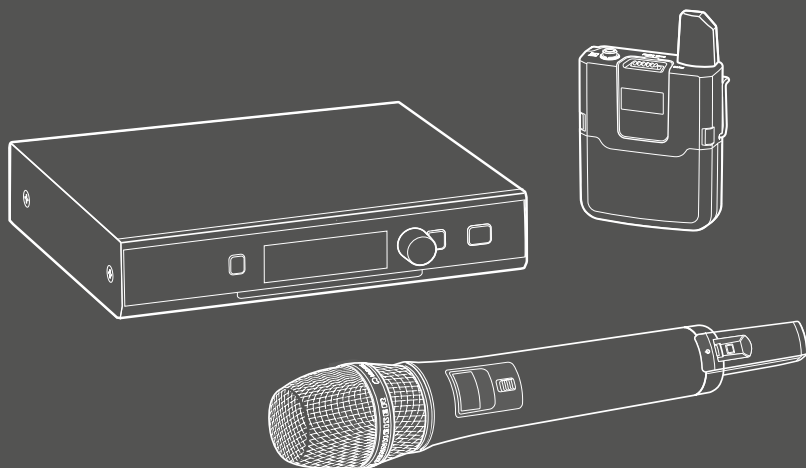
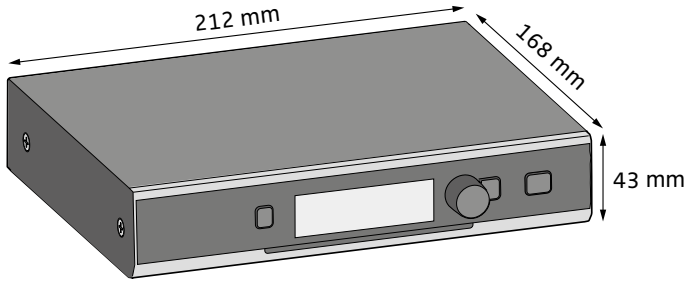


# ew D1

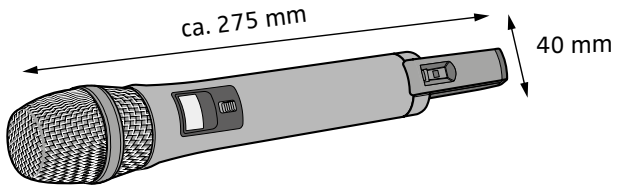


Tekniska data

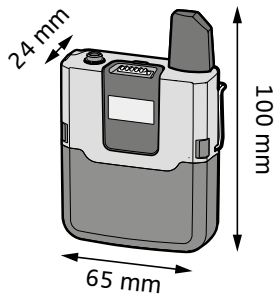
EM D1



SKM D1/SKM-S D1



SK D1



# ew D1

## Tekniska data

### System

Lågfrekvensomfång	20 till 20 000 Hz
Dynamikområde	> 128 dB (A)
Övertonshalt	Typ. 0,1 % (1 kHz, 6 dB under max. ljudutgångsnivå)
Audio Sampling	24 bit/48 kHz
Signal/stör-förhållande	Typ. 109 dB (A)
Högfrekvensomfång	2 400 till 2 483,5 MHz
Modulation	GFSK med datareturkanal
Överföringssystem	TDMA, Time diversity, Frekvens diversity, Fast switching antenna diversity
Latens	3,9 ms
Audio Codec	aptX® Live
Relativ luftfuktighet	Max. 95 %
Temperaturområde	Vid användning: -10 °C till +55 °C Förvaring: -20 °C till +70 °C

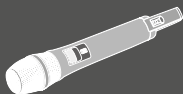
\* Batteriegenskaperna påverkar temperaturområdet.

### EM D1



HF-känslighet	< -90 dBm
Uteffekt returkanal	10 mW/100 mW (beroende på land)
Audio Output Level Gain	Mic/Line level switch: -12 dB/0 dB XLR, symmetrisk: max. +18 dBu Hankontakt, o-/symmetrisk: max. +12 dBu/max. +18 dBu
Ljudeffekter	Low Cut: vid 120 Hz Equalizer: 7 Band Graphic Equalizer De-Esser: multi-frequency targets Automatic Gain Control (AGC): kompression/expansion med automatisk Make-Up Gain-funktion
Display	OLED
Lågfrekvensuttag	XLR/6,3 mm hankontakt
Antennuttag	2 x Rev-SMA
Nätverksuttag	RJ45
Nätverksprotokoll	Media Control Protocol, UDP IPv4 (DHCP, Manual)/IPv6
Strömförsörjning	12 V DC hankontakt
Strömförbrukning	350 mA
Vikt	Ca 824 g

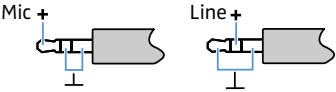
## SKM D1



Uteffekt	Upp till 100 mW adaptiv eller 10 mW (beroende på land)
Lågfrekvensomfång	50 till 20 000 Hz
Ingångskänslighet	Automatic Sensitivity Adjustment
Strömförsörjning	Batterier: 2 x mignon AA (1,5 V) Batteripaket*: BA 10 (litiumjon 3,6 V)
Batteritid	Batterier: normalt 6 h Batteripaket*: normalt 11 h
Display	LCD
Vikt (utan batterier)	Ca 280 g inkl. kapsling
* Tillbehör	

## SK D1



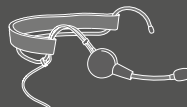
Uteffekt	Upp till 100 mW adaptiv eller 10 mW (beroende på land)
Lågfrekvensomfång	Mic: 50 till 20 000 Hz Line: 20 till 20 000 Hz
Max. ingångssignalnivå	Mic: 1,5 V RMS Line: 3,1 V RMS
Ingångsimpedans line	1 M $\Omega$
Ingångskänslighet	Automatic Sensitivity Adjustment
Strömförsörjning	Batterier: 2 x mignon AA (1,5V) Batteripaket*: BA 30 (litiumjon 3.7V)
Batteritid	Batterier: normalt 6 h Batteripaket*: normalt 11 h
Lågfrekvensuttag	3,5 mm-hankontakt, skruvbar
	
Vikt (utan batterier)	Ca 85 g
* Tillbehör	

## MMD



	835-1	845-1	935-1	945-1
Mikrofontyp	Dynamisk			
Känslighet	2,1 mV/Pa	1,6 mV/Pa	2,5 mV/Pa	1,8 mV/Pa
Riktningsskarakteristik	Kardioid	Superkardioid	Kardioid	Superkardioid
Max. ljudtrycksnivå	154 dB SPL	154 dB SPL	130 dB SPL	150 dB SPL

## ME



	ME 2-2	ME 3-II
Mikrofontyp	Kondensatormikrofon med konstant polaritet	
Känslighet	20 mV/Pa	1,6 mV/Pa
Riktningsskarakteristik	Kula	Kardioid
Max. ljudtrycksnivå	130 dB SPL	150 dB SPL

## Nätadapter

	NT 12-4C	NT 2-3CW
Nominell inspänning	100 till 240 V~	
Nätfrekvens	50 eller 60 Hz	
Inström	Max. 120 mA	
Nominell utspänning	12 V $\overline{\text{---}}$	
Standby-effektförbrukning	$\leq 0,3$ W	
Energieffektivitetsklass	V	IV
Drifttemperatur	-10 °C till +55 °C	
Lagringstemperatur	-20 °C till +70 °C	
Relativ luftfuktighet	Max. 95 %	
Vikt	Ca 100 g	Ca 105 g

## Batteripaket




	BA 10	BA 30
Kapacitet	2 200 mAh	2 030 mAh
Utspänning	3,6 V	3,7 V

## Tillverkarintyg


### Garanti

- Sennheiser electronic GmbH & Co. KG lämnar 24 månaders garanti på denna produkt.
- Aktuella garantivillkor finns på internet på [www.sennheiser.com](http://www.sennheiser.com) eller hos din Sennheiser-återförsäljare.

### Produkten överensstämmer med följande krav

- WEEE-direktivet (2012/19/EU)  
 Lämna produkterna som elavfall till din lokala miljöstation eller återvinningscentral.
- Batteridirektivet (2006/66/EG)  
Batterierna som medföljer produkterna måste lämnas in för återvinning. Lämna in batterierna till insamlingsställen eller återförsäljaren. Lämna endast in tomma batterier för att skydda miljön.

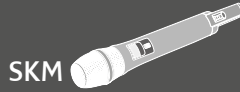
### CE-överensstämmelse

- 
- R&TTE-direktivet (1999/5/EG)
- RoHS-direktivet (2011/65/EU)
- EMC-direktiv (2014/30/EU)
- Lågspänningsdirektivet (2006/95/EU)

Försäkringen finns på internet på [www.sennheiser.com/download](http://www.sennheiser.com/download). Följ lokala bestämmelser innan produkten används.

Information om godkännanden och certifieringar finns i kapitel "Compliance".

# Compliance



## In compliance with

Europe		Radio EMV Safety RoHS	EN 300328 EN 301489-1/-17 EN 60950-1, EN 62311 (SAR) EN 50581
USA		FCC 47 CFR 15	
Canada		Industry Canada RSS 210, CAN ICES-3(B)/NMB-3(B)	
Australia/New Zealand		AS/NZS 4268	

## Certified by

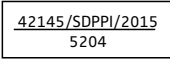
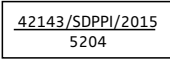
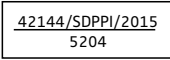
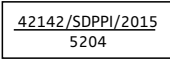
Argentina	EM D1 SKM D1 SKM-S D1 SK D1		CNC ID: C-15479 CNC ID: C-15476 CNC ID: C-15478 CNC ID: C-15480
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


Australia	
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Brazil	QUANTA BRASIL IMPORTAÇÃO E EXPORTAÇÃO LTDA	EUROBRAS FILM PRODUÇÕES CINEMATOGRAFICAS LTDA
EM D1		
SKM D1 SKM-S D1		
SK D1		

China	EM D1 SKM D1 SKM-S D1 SK D1	CMIIT ID: 2015DJ4568 CMIIT ID: 2015DJ4566 CMIIT ID: 2015DJ4567 CMIIT ID: 2015DJ4569
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India	EM D1	No. NR-ETA/ 1575
	SKM D1	No. NR-ETA/ 1572
	SKM-S D1	No. NR-ETA/ 1573
	SK D1	No. NR-ETA/ 1574

Indonesia	EM D1	
	SKM D1	
	SKM-S D1	
	SK D1	

Japan		EM  202-SMC045
		SKM  202-SMC046
		SK  202-SMC047

Canada	EM D1	IC: 2099A-EM2G4WE
	SKM D1	IC: 2099A-SKM2G4WE
	SK D1	IC: 2099A-SK2G4WE



Korea	EM D1		MSIP-CRM-SE9-EMD1
			A/S: 1544-1699
	SKM D1		MSIP-CRM-SE9-SKMD1
	SKM-S D1		A/S: 1544-1699
	SK D1	MSIP-CRM-SE9-SKD1	
		A/S: 1544-1699	

Malaysia	EM D1		RDCN/01A/1015/S(15-3469)
	SKM D1		RBBR/09A/1015/S(15-3471)
	SKM-S D1		RBBR/10A/1015/S(15-3472)
	SK D1		RBBR/08A/0915/S(15-3470)

Mexico	Sennheiser México, S.A. de C.V.		
	Xola 613 PH 6 Colonia del Valle		
	Delegación Benito Juárez		
	03100 Ciudad de México		



IFETEL no : RCPSEEV15- 1413  
 Certificado No.: 1502CE13150



New Zealand



Philippines

EM D1  
SKM D1  
SKM-S D1  
SK D1



NTC

ESD-1511343C  
ESD-1511341C  
ESD-1511342C  
ESD-1511344C

Peru

EM D1 Código: TRSS33993  
SKM D1 Código: TRSS33991  
SKM-S D1 Código: TRSS33992  
SK D1 Código: TRSS34013

Singapore

EM D1  
SKM D1  
SKM-S D1  
SK D1

Complies with  
IDA Standards  
DB100582

South Africa

Radio Equipment Type Approval Number : TA-2014/2631

Taiwan

EM D1 CCAH15LP2170T8  
SKM D1 CCAH15LP2210T7  
SKM-S D1 CCAH15LP2211T9  
SK D1 CCAH15LP2180T1

Thailand

เครื่องโทรคมนาคมและอุปกรณ์นี้ มีความสอดคล้องตามข้อกำหนดของ กทช  
EM D1 ID : RT 0936  
SKM D1 ID : RT 0938  
SKM-S D1 ID : RT 0939  
SK D1 ID : RT 0937

UAE

Authorization Number : ER39427/15

USA

EM D1 FCC ID: DMOEM2G4WE  
SKM D1 FCC ID: DMOSKM2G4WE  
SK D1 FCC ID: DMOSK2G4WE



Vietnam

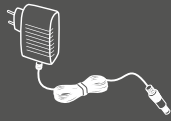
Suntech VietNam Technology Company Limited

EM D1  
SKM D1  
SKM-S D1  
SK D1



ICT: C0102290715AE01A2  
ICT: C0104290715AE01A2  
ICT: C0105290715AE01A2  
ICT: C0103290715AE01A2



NT 12-4C









NT 2-3CW



**In compliance with**

Europe		EMC Safety RoHS Commission Regulation (EC) No. 1275/2008	EN 55022, EN 55024 EN 60065 EN 50581
USA/Canada		EMC  Safety	FCC 47 CFR 15 B ICES 003, CAN ICES-3(B)/NMB-3(B) UL 60065 CAN/CSA-C22.2 No. 60065
China		EMC Safety RoHS	GB13837, GB17625 GB8898 
Australia/New Zealand		EMC Safety	AS/NZS CISPR 22 AS/NZS 60065

**Certified by**

Australia/New Zealand		
China		(NT 2-3CW only)
Europe		
Japan		
Korea		KTL SU 10524-13002 (NT 2-3CW only)
USA/Canada		


BA 10






BA 30



### In compliance with

Europe		EMC Safety	EN 301489-1/-6/-17 IEC/EN 62133
USA/Canada		Rechargeable battery cells Accupack	UL 1642 UL 2054
Japan		DENAN Ordinance Article 1; Appendix 9 Lithium Ion	
Korea		Safety	K 62133
UN transportation test		according to UN Manual of Tests and Criteria, Part III, section 38.3 Lithium-Ion batteries	

### Certified by

USA/Canada	
Japan	 <small>ゼンハイザージャパン(株)</small>
Korea	

# Licenses

## CSR - aptX® Live Codec



aptX® Live, which is used in this microphone, is provided by CSR.

Designed specifically for digital wireless microphones, aptX® Live delivers exceptional acoustic quality with a dynamic range in excess of 120 dB and a coding delay of under 2 ms. This unparalleled delay enables the wireless streaming of digital audio in real time and removes any lip synchronization issues.

The aptX® Live audio codec also employs connection, synchronization, and error reduction techniques to ensure a solid and professional wireless link.

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