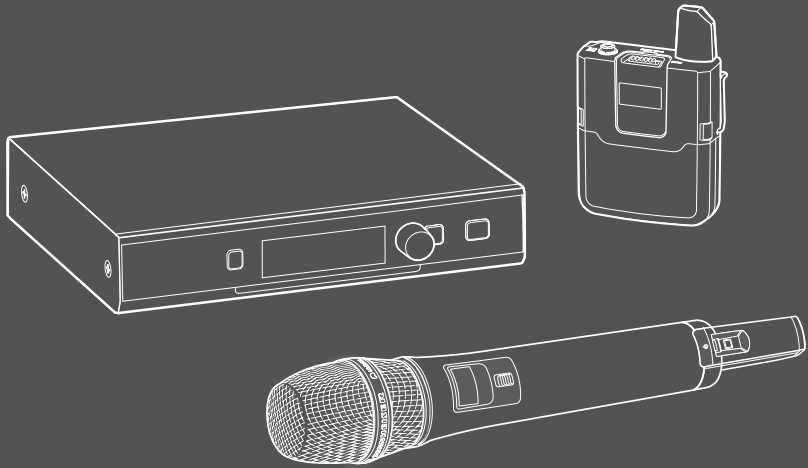
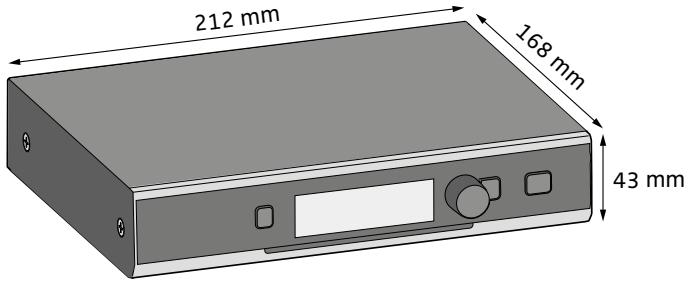


ew D1

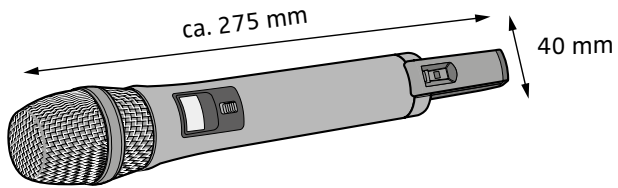


Technische Daten

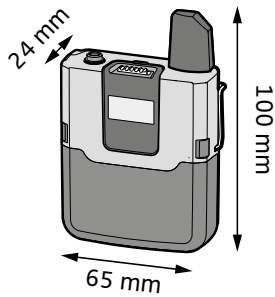
EM D1



SKM D1/SKM-S D1



SK D1



ew D1

Technische Daten

System

NF-Übertragungsbereich	20 bis 20.000 Hz	
Dynamikbereich	> 128 dB (A)	
Klirrfaktor	typ. 0,1 % (1 kHz, 6 dB unter max. Audioausgangspegel)	
Audio Sampling	24 bit/48 kHz	
Signal/Rauschabstand	typ. 109 dB (A)	
HF-Frequenzbereiche	2.400 bis 2.483,5 MHz	
Modulation	GFSK mit Datenrückkanal	
Übertragungssystem	TDMA, Time diversity, Frequenz diversity, Fast switching antenna diversity	
Latenz	3,9 ms	
Audio Codec	aptX® Live	
relative Luftfeuchte	max. 95 %	
Temperaturbereich	im Betrieb:	-10 °C bis +55 °C
	Lagerung:	-20 °C bis +70 °C

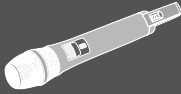
* Die Batterie-Eigenschaften beeinflussen diesen Temperaturbereich.

EM D1



HF-Empfindlichkeit	< -90 dBm	
Sendeleistung Rückkanal	10 mW/100 mW (länderspezifisch)	
Audio Output Level Gain	Mic/Line level switch:	-12 dB/0 dB
	XLR, symmetrisch:	max +18 dBu
	Klinke, un-/symmetrisch:	max +12 dBu / max +18 dBu
Audio-Effekte	Low Cut:	bei 120 Hz
	Equalizer:	7-Band-Graphic-Equalizer
	De-Esser:	multi-frequency targets
	Automatic Gain Control (AGC):	Kompression/Expansion mit automatischer Make-Up-Gain-Funktion
Display	OLED	
NF-Anschlussbuchsen	XLR/6,3 mm Klinke	
Antennenbuchsen	2 x Rev-SMA	
Netzwerkbuchse	RJ45	
Netzwerkprotokoll	Media Control Protocol, UDP IPv4 (DHCP, Manual)/IPv6	
Spannungsversorgung	12 V DC Hohlklinke	
Stromaufnahme	350 mA	
Gewicht	ca. 824 g	

SKM D1



Sendeleistung	bis zu 100 mW adaptiv oder 10 mW (länderspezifisch)
NF-Übertragungsbereich	50 bis 20.000 Hz
Eingangsempfindlichkeit	Automatic Sensitivity Adjustment
Spannungsversorgung	Batterien: 2 x Mignon AA (1,5 V) Akkupack*: BA 10 (Li-Ion, 3,6 V)
Batterielaufzeit	Batterien: typ. 6 h Akkupack*: typ. 11 h
Display	LCD
Gewicht (ohne Batterien)	ca. 280 g inkl. Kapsel

* optionales Zubehör

SK D1



Sendeleistung	bis zu 100 mW adaptiv oder 10 mW (länderspezifisch)
NF-Übertragungsbereich	Mic: 50 bis 20.000 Hz Line: 20 bis 20.000 Hz
Max. Eingangspegel	Mic: 2,2 V RMS Line: 3,3 V RMS
Eingangsimpedanz Line	1 M Ω
Eingangsempfindlichkeit	Automatic Sensitivity Adjustment
Spannungsversorgung	Batterien: 2x Mignon AA (1,5V) Akkupack*: BA 30 (Li-Ion, 3,7V)
Batterielaufzeit	Batterien: typ. 6 h Akkupack*: typ. 11 h
NF-Anschlussbuchse	3,5 mm-Klinkenbuchse, verschraubbar
Gewicht (ohne Batterien)	ca. 85 g

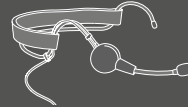
* optionales Zubehör

MMD



	835-1	845-1	935-1	945-1
Mikrofontyp	dynamisch			
Empfindlichkeit	2,1 mV/Pa	1,6 mV/Pa	2,5 mV/Pa	1,8 mV/Pa
Richtcharakteristik	Niere	Superniere	Niere	Superniere
Max. Schalldruckpegel	154 dB SPL	154 dB SPL	130 dB SPL	150 dB SPL

ME



	ME 2-2	ME 3-II
Mikrofontyp	dauerpolarisiertes Kondensatormikrofon	
Empfindlichkeit	20 mV/Pa	1,6 mV/Pa
Richtcharakteristik	Kugel	Niere
Max. Schalldruckpegel	130 dB SPL	150 dB SPL

Netzteile

	NT 12-4C	NT 2-3CW
Nenneingangsspannung	100 bis 240 V~	
Netzfrequenz	50 oder 60 Hz	
Eingangsstrom	max. 120 mA	
Nennausgangsspannung	12 V $\overline{\text{---}}$	
Stand-by-Leistungsaufnahme	$\leq 0,3$ W	
Energie-Effizienz-Klasse	V	IV
Betriebstemperatur	-10 °C bis +55 °C	
Lagertemperatur	-20 °C bis +70 °C	
Relative Luftfeuchte	max. 95 %	
Gewicht	ca. 100 g	ca. 105 g

Akkupacks




	BA 10	BA 30
Ladekapazität	2.200 mAh	2.030 mAh
Ausgangsspannung	3,6 V	3,7 V

Herstellereklärungen


Garantie

- Sennheiser electronic GmbH & Co. KG übernimmt für dieses Produkt eine Garantie von 24 Monaten.
- Die aktuell geltenden Garantiebedingungen können Sie über das Internet www.sennheiser.com oder Ihren Sennheiser-Partner beziehen.

In Übereinstimmung mit folgenden Anforderungen

- WEEE-Richtlinie (2012/19/EU)
 Bitte entsorgen Sie die Produkte am Ende ihrer Nutzungsdauer bei Ihrer örtlichen kommunalen Sammelstelle oder im Recycling Center.
- Batterierichtlinie (2006/66/EG)
Die mitgelieferten Akkus oder Batterien sind recyclingpflichtig. Bitte entsorgen Sie Akkus bzw. Batterien über offizielle Sammelstellen oder den Fachhandel. Entsorgen Sie nur leere Batterien oder Akkus, um den Umweltschutz zu gewährleisten.

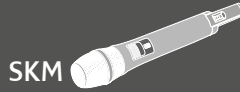
CE-Konformität

- 
- R&TTE-Richtlinie (1999/5/EG)
- RoHS-Richtlinie (2011/65/EU)
- EMV-Richtlinie (2014/30/EU)
- Niederspannungs-Richtlinie (2006/95/EU)

Die Erklärungen stehen im Internet unter www.sennheiser.com/download zur Verfügung. Vor Inbetriebnahme sind die jeweiligen länderspezifischen Vorschriften zu beachten.

Informationen über Zulassungen und Zertifizierungen finden Sie im 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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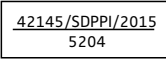
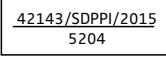
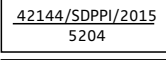
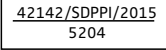
Australia



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

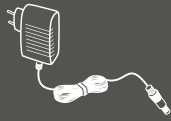
Suntech VietNam Technology Company Limited

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	

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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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