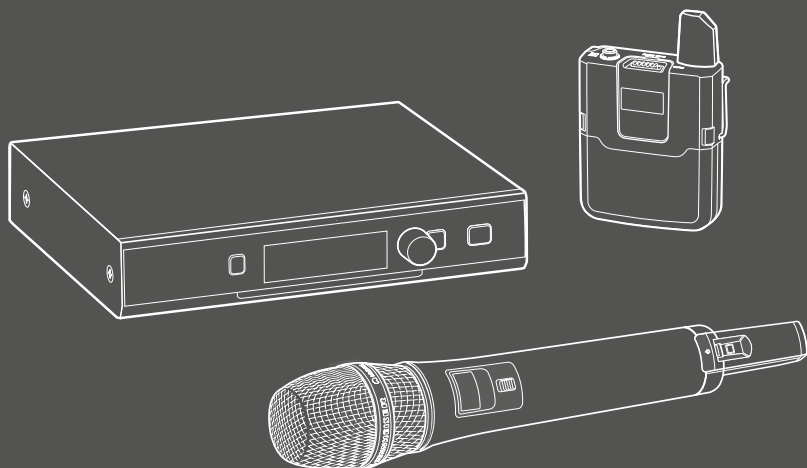
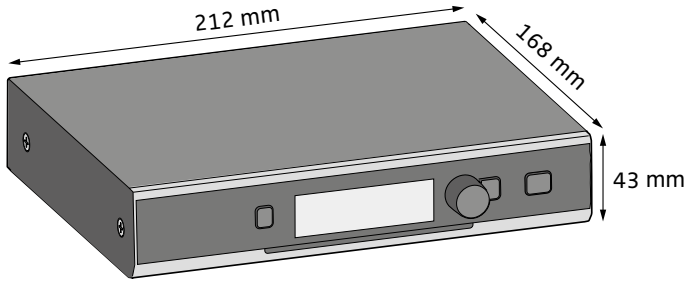


ew D1

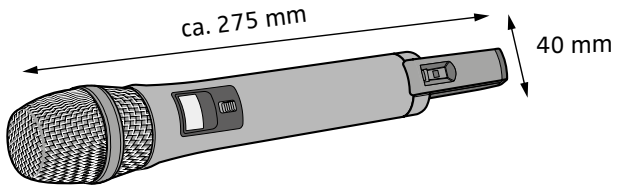


Especificaciones técnicas

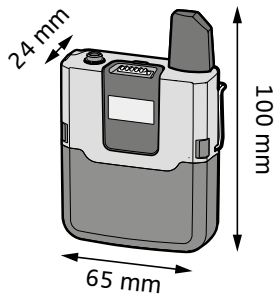
EM D1



SKM D1/SKM-S D1



SK D1



ew D1

Especificaciones técnicas

Sistema

Respuesta de frecuencia BF	20 a 20.000 Hz
Rango dinámico	> 128 dB (A)
Distorsión armónica total - THD	típ. 0,1 % (1 kHz, 6 dB bajo nivel máx. de salida audio)
Muestreo de audio	24 bit/48 kHz
Separación señal/ruido	típ. 109 dB (A)
Rangos de frecuencia de RF	2.400 a 2.483,5 MHz
Modulación	GFSK con canal de retorno de datos
Sistema de transmisión	TDMA, Diversidad de tiempo, Diversidad de frecuencia, Diversidad de antena de conmutación rápida
Latencia	3,9 ms
Codec de audio	aptX® Live
Humedad relativa del aire	máx. 95 %
Rango de temperatura*	en funcionamiento: -10 °C a +55 °C almacenamiento: -20 °C a +70 °C

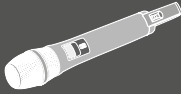
* Las propiedades de la pila recargable influyen en este rango de temperatura.

EM D1



Sensibilidad de RF	< -90 dBm
Potencia de transmisión canal de retorno	10 mW/100 mW (especifica para cada país)
Ganancia del nivel de salida de audio	Interruptor de nivel Mic/Line: -12 dB/0 dB XLR, simétrica: máx. +18 dBu Jack, (a)simétrica: máx. +12 dBu/máx. +18 dBu
Efectos de audio	Low Cut: a 120 Hz Ecualizador: Ecualizador gráfico a 7 bandas De-Esser: Targets multifrecuencia Control automático de ganancia AGC: Compresión/expansión con función automática de ganancia de compensación
Pantalla	OLED
Hembrillas de conexión BF	XLR/jack de 6,3 mm
Hembrillas de antena	2 Rev SMA
Hembrilla de red	RJ45
Protocolo de red	Media Control Protocol, UDP IPv4 (DHCP, manual)/IPv6
Alimentación de tensión	Jack hueco de 12 V DC
Consumo de corriente	350 mA
Peso	aprox. 824 g

SKM D1

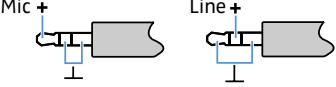


Potencia de transmisión	hasta 100 mW adaptable o 10 mW (específico del país)
Respuesta de frecuencia BF	50 a 20.000 Hz
Sensibilidad de entrada	Ajuste automático de sensibilidad
Alimentación de tensión	Pilas: 2 tipo Mignon AA (1,5 V) Paquete de baterías*: BA 10 (Li-Ion, 3,6 V)
Autonomía de las pilas recargables	Pilas: típ. 6 h Paquete de baterías*: típ. 11 h
Pantalla	LCD
Peso (sin pilas)	Aprox. 280 g incl. cápsula

* accesorio opcional

SK D1



Potencia de transmisión	hasta 100 mW adaptable o 10 mW (específico del país)
Respuesta de frecuencia BF	Mic: 50 a 20.000 Hz Line: 20 a 20.000 Hz
Nivel de entrada máx.	Mic: 1,5 V RMS Line: 3,1 V RMS
Impedancia de entrada Line	1 M Ω
Sensibilidad de entrada	Ajuste automático de sensibilidad
Alimentación de tensión	Pilas: 2 tipo Mignon AA (1,5 V) Paquete de baterías*: BA 30 (Li-Ion, 3.7 V)
Autonomía de las pilas recargables	Pilas: típ. 6 h Paquete de baterías*: típ. 11 h
Hembrilla de conexión BF	Enchufe con conector hembra de 3,5 mm, de rosca 
Peso (sin pilas)	Aprox. 85 g

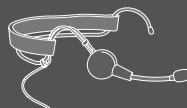
* accesorio opcional

MMD



	835-1	845-1	935-1	945-1
Tipo de micrófono	Dinámico			
Sensibilidad	2,1 mV/Pa	1,6 mV/Pa	2,5 mV/Pa	1,8 mV/Pa
Patrón de captación	Cardioide	supercardioide	Cardioide	supercardioide
Nivel de presión de sonido máx.	154 dB SPL	154 dB SPL	130 dB SPL	150 dB SPL

ME



	ME 2-2	ME 3-II
Tipo de micrófono	Micrófono de condensador con polarización permanente	
Sensibilidad	20 mV/Pa	1,6 mV/Pa
Patrón de captación	Omnidireccional	Cardioide
Nivel de presión de sonido máx.	130 dB SPL	150 dB SPL

Fuentes de alimentación

	NT 12-4C	NT 2-3CW
Tensión de entrada nominal	100 a 240 V~	
Frecuencia de red	50 o 60 Hz	
Corriente de entrada	máx. 120 mA	
Tensión nominal de salida	12 V — — —	
Consumo de potencia en standby	≤ 0,3 W	
Clase de eficiencia energética	V	IV
Temperatura de funcionamiento	-10 °C a +55 °C	
Temperatura de almacenamiento	-20 °C a +70 °C	
Humedad relativa del aire	máx. 95 %	
Peso	aprox. 100 g	aprox. 105 g

Paquetes de baterías




	BA 10	BA 30
Capacidad de carga	2.200 mAh	2.030 mAh
Tensión de salida	3,6 V	3,7 V

Declaraciones del fabricante


Garantía

- Sennheiser electronic GmbH & Co. KG concede una garantía de 24 meses por este producto.
- Puede consultar las condiciones de garantía actuales en la página de Internet www.sennheiser.com u obtenerlas de su distribuidor Sennheiser.

Conformidad con las siguientes directivas

- Directiva WEEE (2012/19/EU)
 Le rogamos que, al término de su vida útil, deseche los productos a través del centro de recogida y/o reciclaje de su municipio.
- Directiva sobre baterías (2006/66/CE)
Las baterías o pilas recargables suministradas son de reciclaje obligatorio. Deseche las pilas recargables o baterías en un centro oficial de recogida o en su comercio especializado. Deseche sólo baterías o pilas recargables gastadas para proteger el medio ambiente.

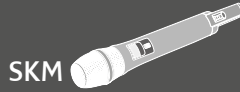
Conformidad CE

- 
- Directiva R&TTE (1999/5/CE)
- Directiva RoHS (2011/65/UE)
- Directiva CEM (2014/30/UE)
- Directiva de baja tensión (2006/95/UE)


Las declaraciones se pueden consultar en Internet, en www.sennheiser.com/download. Antes de la puesta en servicio, se deben observar las disposiciones específicas del país de uso.

Encontrará información sobre las homologaciones y certificaciones en el capítulo «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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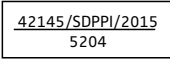
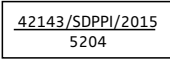
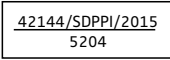
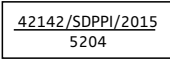
Australia







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

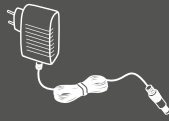
EM D1
SKM D1
SKM-S D1
SK D1

Suntech VietNam Technology Company Limited



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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