



EU-Konformitätserklärung EU Declaration of Conformity

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erklärt in alleiniger Verantwortung, dass das Produkt:
declares under the sole responsibility that the product:

Model: Wireless Microphone System
Model No: XS Wireless 1, XS Wireless 2

mit den zugehörigen Komponenten
with the included components

Diversity Receiver	EM -XSW 1, EM-XSW1 DUAL, EM-XSW 2
Handheld Transmitter	SKM-XSW
Bodypack Transmitter	SK-XSW
Microphones	ME2-2, ME3-II, e 908 T
Microphone Capsules	MD 825, MD 835, ME 865
Power Supply	NT 12-5 CW

und alle im Anhang aufgeführten Varianten mit den Bestimmungen der nachstehenden EU-Richtlinie(n) (einschließlich aller zutreffenden Änderungen) übereinstimmen; und unter Anwendung der harmonisierten Normen entwickelt, konstruiert und gefertigt worden sind.

and all variations specified in the annex are in conformity with the provisions of the following EU directive(s) (including all applicable amendments); and are designed and manufactured with application of the harmonized standards.

Qualitätszusicherung: Der Herstellerbetrieb ist nach ISO 9001 zertifiziert
Quality Assurance: The manufacturing organisation is certified according to ISO 9001

CE was at first applied: 2017

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pHG: Sennheiser Beteiligungs-GmbH

Sitz 30900 Wedemark,
Amtsgericht Hannover HRB 120179

All devices carry the CE mark (except for very small clip-on microphones). The applied conformity assessment procedure is relating to Article 17(4) and Annex III of the Radio Equipment Directive 2014/53/EU.

The EU-type examination for SKM-XSW, SK-XSW, EM-XSW1 and EM-XSW2 - RT 601363050001-TEC - was performed by notified Body TÜV Rheinland LGA Products GmbH (0197).

The EU-type examination for EM-XSW1 DUAL - RT 601283910001-TEC - was performed by notified Body TÜV Rheinland LGA Products GmbH (0197).

Software and hardware revision:

Model	Software Version	Hardware Version			
		Main PCB	Display PCB	Audio	Sync Module
EM-XSW1	Rev. 04	EM_XSW1_rev.1 950-XSW1-1	EM_XSW1_rev.1 958-XSW1-1	X	951-2500-1D
EM-XSW2	Rev. 02	EM_XSW2_rev.1 950-XSW2-1	EM_XSW2_rev.1 958-XSW2-1	X	951-2500-1D
EM-XSW1 Dual	Rev. 04	950-DURX-2	L : 958-DURXL-1	X	951-2500-1D
			R : 958-DURXR-1		
SK-XSW	Rev. 02	SK_XSW_rev.1 951-SK-XSW-1	SK_XSW_rev.1 958-SK-XSW-1	X	951-2500-1C
SKM-XSW	Rev. 02	SKM_XSW_rev.1 951-SKM-XSW-1	X	SKM_XSW_rev.1 956-SKM-XSW-1	951-2500-1C

Frequency ranges:

Naming of frequency bands of operation	Operating frequency
A	548 – 572 MHz
GB	606 – 630 MHz
B	614 – 638 MHz
BC	670 – 694 MHz
C	766 – 790 MHz
D	794 – 806 MHz
E	821 – 832 MHz / 863 – 865 MHz
Sync Module	2433 – 2473 MHz

Applied directives and standards:

The device 'SK-XSW, SKM-XSW, EM-XSW1, EM-XSW1 DUAL, EM-XSW2, NT12-5CW' comply with the following:			
Position	Name	Description	Version
1010	2014/53/EU	RADIO Directive 2014/53/EU - Radio Equipment Directive (RED)	2014-04
1116	EN 300422-1	Wireless Microphones; Audio PMSE up to 3 GHz; - Part 1: Class A Receivers; Harmonised Standard covering the essential requirements of article 3.2 of Directive 2014/53/EU	V 2.1.2
1521	EN 300440	Short Range Devices (SRD); Radio equipment to be used in the 1 GHz to 40 GHz frequency range; Harmonised Standard covering the essential requirements of article 3.2 of the Directive 2014/53/EU	V 2.1.1 (Final Draft)
2012	EN 301489-1	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; - Part 1: Common technical requirements; Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU and the essential requirements of article 6 of Directive 2014/30/EU (english version)	V 2.2.0 (Draft)

2032	EN 301489-3	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 246 GHz	V 2.1.1 (Final Draft)
2091	EN 301489-9	ElectroMagnetic Compatibility (EMC) standard for radio equipment and services - Part 9: Specific conditions for wireless microphones, similar Radio Frequency (RF) audio link equipment, cordless audio and in-ear monitoring devices - Harmonised Standard covering the essential requirements of article 3.1(b) of Directive 2014/53/EU	V 2.1.1 (Final Draft)
2700	EN 62479	Assessment of the compliance of low power electronic and electrical apparatus with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)	2010
3300	EN 62368-1	Audio/video, information and communication technology equipment - Part 1: Safety requirements (IEC 62368-1:2014, modified)	2014 + AC:2015
7510	2009/125/EG	ErP Directive 2009/125/EC - Ecodesign requirements for energy-related products	2009-10
7550	No. 278/2009	EU-Regulation for External Power Supplies (EPS)	2009-04
7800	2011/65/EU	RoHS Directive 2011/65/EU Restriction of the use of certain hazardous substance	2011-07
7810	EN 50581	Technical documentation for the assessment of electrical and electronic products with respect to the restriction of hazardous substances	2012-09

Document History

Revision Date:	Revision Description	Remarks
2017-02-10	First version	
2017-04-10	Add products	
2018-03-22	Model EM-XSW1 DUAL added, SW and HW revision added	
2019-01-22	Add Frequency Range Versions including new applied BC range	
2019-11-07	Add new version of sync module for EM-XSW1 and EM-XSW2	