


The EM 300 true diversity mains receiver is at the heart of the 300 Series systems. The SKM 300 hand-held transmitter, available with a choice of three different microphone heads, has a noiseless mute switch. The SK 300 pocket transmitter is the perfect companion for the ME 2 or ME 4 clip-on microphones, the ME 3 headmic or guitar cables. Both 300 Series transmitters have an additional battery status indicator and a special "lock mode" function to prevent operating errors. The 300 Series transmitters and receivers feature 8 frequency presets for direct channel selection. The user-friendly display on the EM 300 mains receiver allows you to quickly read off the channel or the frequency. In addition, the name of the performer can be entered into the receiver display. The peak-hold display on the receiver temporarily "freezes" peak signal levels to facilitate accurate monitoring. The EM 300's audio outputs are available both as balanced XLR and 1/4" sockets.




System Overview ew 300

Every system includes the EM 300 mains receiver


+ SKM 300 hand-held transmitter Set ew 335
 + MD 835 dynamic microphone module, cardioid



+ SKM 300 hand-held transmitter Set ew 345
 + MD 845 dynamic microphone module, super-cardioid



+ SKM 300 hand-held transmitter Set ew 365
 + ME 865 condenser microphone module, super-cardioid



+ SK 300 pocket transmitter Set ew 312
 + ME 2 clip-on microphone, omni-directional



+ SK 300 pocket transmitter Set ew 322
 + ME 4 clip-on microphone, cardioid



+ SK 300 pocket transmitter Set ew 352
 + ME 3 headmic, super-cardioid



+ SK 300 pocket transmitter Set ew 372
 + CI 1 guitar cable



Accessories

Carrying case for complete systems	CC 1	Cat. No. 04797
Microphone clamp for SKM	MZQ 1	Cat. No. 76670
Windshield for SKM	MZW 1	Cat. No. 04839
Line cable for SK 300	CL 2	Cat. No. 04840
Guitar cable for SK 300	CI 1	Cat. No. 79901
Antenna booster		
518–550 MHz	AB 1-A	Cat. No. 04790
630–662 MHz	AB 1-B	Cat. No. 04906
740–772 MHz	AB 1-C	Cat. No. 04907
790–822 MHz	AB 1-D	Cat. No. 04908
838–870 MHz	AB 1-E	Cat. No. 04909
Antenna splitter	ASP 1	Cat. No. 04791
Antenna mount	AM 1	Cat. No. 04793
19" rack adaptor	GA 1	Cat. No. 04792

For the complete range of accessories available, please refer to the chapter "Accessories", page 193 f.

System

Technical Data	System – EW 300
Modulation	wideband FM
Frequency ranges	A: 518–550, B: 630–662, C: 740–772, D: 790–822, E: 838–870 MHz
Tunable frequencies	1,280
Frequency presets	8
Switching bandwidth	32 MHz
Peak deviation	± 48 kHz
Compander system	HDX
AF frequency response	60–18,000 Hz
Signal-to-noise ratio	> 110 dB (A)
THD (1 kHz)	< 0.9 %
Dimensions system case	380 x 370 x 70 mm
Weight system case	approx. 3 kg
In compliance with	ETS 300422, ETS 300445, CE, FCC

Receiver

Technical Data	EM 300
Receiver type	mains receiver
Receiver principle	true diversity
Antenna inputs	2 BNC sockets, 50 Ω
AF outputs	1/4" (6.3 mm) jack socket, XLR-3F
Max. output level	balanced: + 10 dBu unbalanced: + 4 dBu
Headphone output	–
Level adjustment	–
Power supply	10.5–16 V DC via plug-in mains unit
Dimensions	212 x 145 x 38 mm
Weight	approx. 1100 g

Transmitters

Technical Data	SKM 300	SK 300
Transmitter type	hand-held transmitter	pocket transmitter
RF output power	typ. 30 mW	typ. 30 mW
Power supply	9 V PP3 alkaline battery (IEC 6 LR 61)	9 V PP3 alkaline battery (IEC 6 LR 61)
Operating time	> 8 h	> 8 h
Max. input voltage	–	mic 1.8 V _{rms} line 2.4 V _{rms}
Phantom powering	–	–
Dimensions	Ø 50 mm, l = 225 mm	110 x 65 x 22 mm
Weight	approx. 450 g	approx. 255 g

Microphones for SK 300 pocket transmitter

Technical Data	ME 2	ME 4	ME 3 headmic
Transducer	electret condenser	electret condenser	electret condenser
Sensitivity	20 mV/Pa	40 mV/Pa	1.6 mV/Pa
Max. SPL	130 dB	120 dB	150 dB
Pick-up pattern	omni	cardioid	super-cardioid

Microphone heads for SKM 300 hand-held transmitter

Technical Data	MD 835	MD 845	ME 865
Transducer	dynamic	dynamic	electret condenser
Sensitivity	1.5 mV/Pa	1 mV/Pa	3 mV/Pa
Max. SPL	150 dB	154 dB	144 dB
Pick-up pattern	cardioid	super-cardioid	super-cardioid

Passive **antenna splitter** 2 x 1 : 4. The ASP 1 allows a single antenna unit to feed up to four EM 100, EM 300 or EM 500 receivers simultaneously. Incorporates DC distribution for distributing the DC supply voltage to up to four receivers.

(NB: requires NT 1 and two AB 1).
Cat. No.: 04789



ASP 1

DC power adaptor, for external 12 V DC-powering (instead of 9 V PP3 battery) of SK/EK 100, SK/EK 500 and SK 300.

Cat. No.: 04796



DC 1

UHF antenna booster, 10 dB gain (powered via ASP 1/NT 1).

- AB 1-A: 518–550 MHz Cat. No.: 04790
- AB 1-B: 630–662 MHz Cat. No.: 04906
- AB 1-C: 740–772 MHz Cat. No.: 04907
- AB 1-D: 790–822 MHz Cat. No.: 04908
- AB 1-E: 838–870 MHz Cat. No.: 04909



AB 1

Microphone head for SKM 100, SKM 300 and SKM 500, dynamic, cardioid.

Cat. No.: 77982



MD 835

Microphone head for SKM 100, SKM 300 and SKM 500, dynamic, super-cardioid.

Cat. No.: 77983



MD 845

Microphone head for SKM 100, SKM 300 and SKM 500, condenser, super-cardioid.

Cat. No.: 77984



ME 865

Active **antenna combiner** for combining the transmission signals of up to four SR 300 IEM transmitters onto a single antenna. Incorporates DC distribution for distributing the DC supply voltage to up to four transmitters (with NT 3 power supply).

Cat. No.: 04791



AC 1

19" rack adaptor for mounting two EM 100, EM 300, EM 500, SR 300 IEM or one EM/SR with AM 1 antenna mount in a 19" rack.

Cat. No.: 04792



GA 1

Microphone clamp for SKM 100, SKM 300 and SKM 500.

Cat. No.: 76670



MZQ 1

Antennenmount. Permits the connection of EM 100, EM 300, EM 500 and SR 300 IEM antennæ to the front of the rack.

Cat. No.: 04793



AM 1

Wind- and popshield for SKM 100, SKM 300 and SKM 500.

Cat. No.: 04839



MZW 1

Typoplus:
Bitte Foto
einsetzen

Plug-in mains unit for the
ASP 1 antenna splitter.
NT 1: 04786
NT 1-UK: 04787
NT 1-120: 04788
Output voltage: 12 V DC
Output current: 1.5 A

NT 1



Guitar cable for SK 100, SK 300 and SK 500.
Connector: 1/4" (6.3mm) jack plug.
Cat. No.: 79901

CI 1



NT 2

Plug-in mains unit for
EM 100, EM 300, EM 500
and SR 300 IEM.
NT 2: 77687
NT 2-120: 77688
NT 2-UK: 77689
Output voltage: 12 V DC
Output current: 0.25 A

Typoplus:
Bitte Foto
einsetzen

Line cable for SK 100, SK 300 and SK 500.
Connector: XLR-3, female.
Cat. No.: 04840

CL 2

Typoplus:
Bitte Foto
einsetzen

NT 3

Plug-in mains unit for the
AC 1 antenna combiner.
NT 3: 04863
NT 3-UK: 04864
NT 3-120: 04865
Output voltage: 12V DC
Output current: 2.5 A



CL 1

Line cable for
EK 100 and EK 500.
Connector: 3.5 mm right-
angled jack plug.
Cat. No.: 81197



A 17-1
A 17-2

Receiving antenna
for EK 100 and
EK 500. For use with
cameras.

Frequency ranges:
A 17-1: 518-662 MHz
A 17-2: 740-870 MHz
Cat. No.:
A 17-1: 77935
A 17-2: 77934

Clip-on microphone
for SK 100, SK 300 and
SK 500, condenser,
omni-directional.
Cat. No.: 77874



ME 2

Clip-on microphone
for SK 100, SK 300 and
SK 500, condenser,
cardioid.
Cat. No.: 77876



ME 4

Headmic
for SK 100, SK 300 and
SK 500, condenser,
super-cardioid.
Cat. No.: 77897



ME 3



IE 1
IES 1

**IE 1 stereo in-ear
headphones** for
EK 300 IEM and EK 500.
IES 1 ear-moulds for
IE 1 in-ear headphones.
Cat. No.: 77888 (IE 1)
78156 (IES 1)



CC 1

Hard-shell carrying case for
complete systems.
Cat. No.: 04797