



# SOUND PERFORMANCE

MUSIC INDUSTRY PRODUCTS



## TRUE SOUND

For more than sixty years, Sennheiser has been creating superlative audio products for professionals and consumers the world over, winning countless awards and earning the accolades of critics and competitors alike. This alone is incentive enough for the Sennheiser Group, comprising the Sennheiser, Neumann and Sennheiser Communications brand names, to continue driving the development of electro-acoustics as a global market leader.

From the very beginning, our headphones and microphones have distinguished themselves. They are characterised by innovation and dedication to quality, as exemplified by the introduction of Open Aire™ technology pioneered by the HD 414 headphones in 1968. The unparalleled Orpheus headphone system offers the finest audio reproduction available.

Our microphones are equally impressive: the MD 421 II reissue combines the characteristics of the most popular professional dynamic mic ever (the MD 421) with enhanced frequency response. The U 87 is probably

the most well-known and widely used Neumann studio microphone (with dual diaphragm capsule). Covering vocal, instrumental and backline, the evolution™ microphone series answers every conceivable live performance requirement.

Our wireless systems, whether RF or infrared, are widely recognised to be the finest wireless systems available anywhere. From the fabled 5000 series, which has won many awards – including an Emmy Award for “Outstanding Achievement in the Sciences of Television Technology for RF Wireless Systems” to our brand new evolution e-series and wireless monitoring systems, our RF wireless line offers exceptional performance. And Sennheiser infrared wireless systems provide nearly limitless configurations, offering wireless ease and excellent sound quality for applications from personal use to conference audio.

For more information, visit us online at: [www.sennheiserbnl.com](http://www.sennheiserbnl.com) or follow us @SennheiserBNL

## Contents

<b>WIRELESS SYSTEMS</b>	
XS Wireless	04-07
evolution Wireless G3	08-17
Wireless Components	18-19
evolution Wireless 100 G3-1G8 series	20-21
Choosing a UHF Wireless System	22-23
<b>WIRED MICROPHONES</b>	
MK 4 Studio Mic	24-25
evolution Microphones 900 Series	26-30
evolution Microphones 800 Series	31
evolution Microphones 600 Series	32
The Classics	33
Broadcast/ENG/Film microphones	34-35
<b>ACCESSORIES WIRED / WIRELESS</b>	36-41
<b>GOOSENECK MICROPHONES</b>	42-45
<b>HEADPHONES</b>	
DJ and Studio Headphones	46-51



# TAKE THE STAGE



**XS WIRELESS** is your entry into the wireless world. Enter the stage with easy-to-use all-in-one packages offering reliable transmission and excellent sound quality. Frequency agility is ensured by a switching window of 24 MHz (13 MHz for the E band) and tunable frequency presets. The system is quick and easy to set up due to its automatic search for free frequencies and synchronization via RF remote channel. Professional True Diversity technology ensures optimum reception – anytime, anywhere.



No matter whether you are a speaker, presenter or rocking the stage: the XS WIRELESS gives you absolute freedom of movement for a vivid and impressive performance. Choose between two vocal sets, an instrument set or the Headset set. All systems feature outstanding sound quality and delivers renowned Sennheiser reliability to small venues, conference rooms or houses of worship.

## XSW 35 Vocal Set

The XSW 35 Vocal Set with e835 cardioid dynamic capsule provides up to 10 hours of operation, a convenient mute button and excellent feedback rejection. An all-metal True Diversity receiver offers 960 tunable frequencies, with powerful scan and sync functions that ensure trouble-free operation.

### Features

- Easy-to-use, all-in-one package for speakers, singers and presenters
- High feedback rejection
- SKM 35 dynamic, cardioid microphone with mute button for full control
- Synchronization via remote channel
- Frequencies tunable in steps of 25 kHz
- 24 MHz bandwidth (13 MHz for the E band)

## XSW 65 Vocal Set

The XSW 65 handheld vocal system features a condenser capsule that captures every detail of your performance with a pre-polarized, super-cardioid condenser capsule. An all-metal True Diversity receiver offers 960 tunable frequencies, with powerful scan and sync functions for hours of trouble-free operation.

### Features

- Easy-to-use, all-in-one package for speakers, singers and presenters
- High feedback rejection
- SKM 65 condenser, super-cardioid mic with mute button for full control
- Synchronization via remote channel
- Frequencies tunable in steps of 25 kHz
- 24 MHz bandwidth (13 MHz for the E band)

## XSW 12 Presentation Set

Make your presentations come to life! The XSW 12 features a compact bodypack transmitter with omni-directional microphone provides natural speech reproduction while remaining inconspicuously small. An all-metal True Diversity receiver offers 960 tunable frequencies, with powerful scan and sync functions that ensure up to 10 hours of trouble-free operation.

### Features

- Unobtrusive clip-on microphone
- High speech intelligibility
- Mute button for full speech control
- Synchronization via remote channel
- Frequencies tunable in steps of 25 kHz
- 24 MHz bandwidth (13 MHz for the E band)

## XSW 52 Headset Set

Express yourself, hands free. A compact bodypack transmitter with easy-to-wear cardioid condenser headset provides great pop protection and powerful sound. An all-metal True Diversity receiver offers 960 tunable frequencies, with powerful scan and sync functions that ensure up to 10 hours of trouble-free operation.

### Features

- Hands-free operation
- Outstanding sound quality for singers and presenters
- Mute button for full transmission control
- Synchronization via remote channel
- Frequencies tunable in steps of 25 kHz
- 24 MHz bandwidth (13 MHz for the E band)

## XSW 72 Instrument Set

The XSW 72 features a compact bodypack transmitter with instrument cable preserves your tone with up to 10 hours of trouble-free operation. An all-metal True Diversity receiver offers 960 tunable frequencies, with powerful scan and sync functions that allows you to plug and play!

### Features

- Directly connects to 1/4" (6.3 mm) sockets
- Outstanding sound quality for musicians
- Mute button for full control
- Synchronization via remote channel
- Frequencies tunable in steps of 25 kHz
- 24 MHz bandwidth (13 MHz for the E band)

## Recommended Accessories

### GAM 1

1-ch rackmount kit – Accessory kit to mount 1 EM 10 into a 19" rack and put antennas at the front side. BNC cables are included.

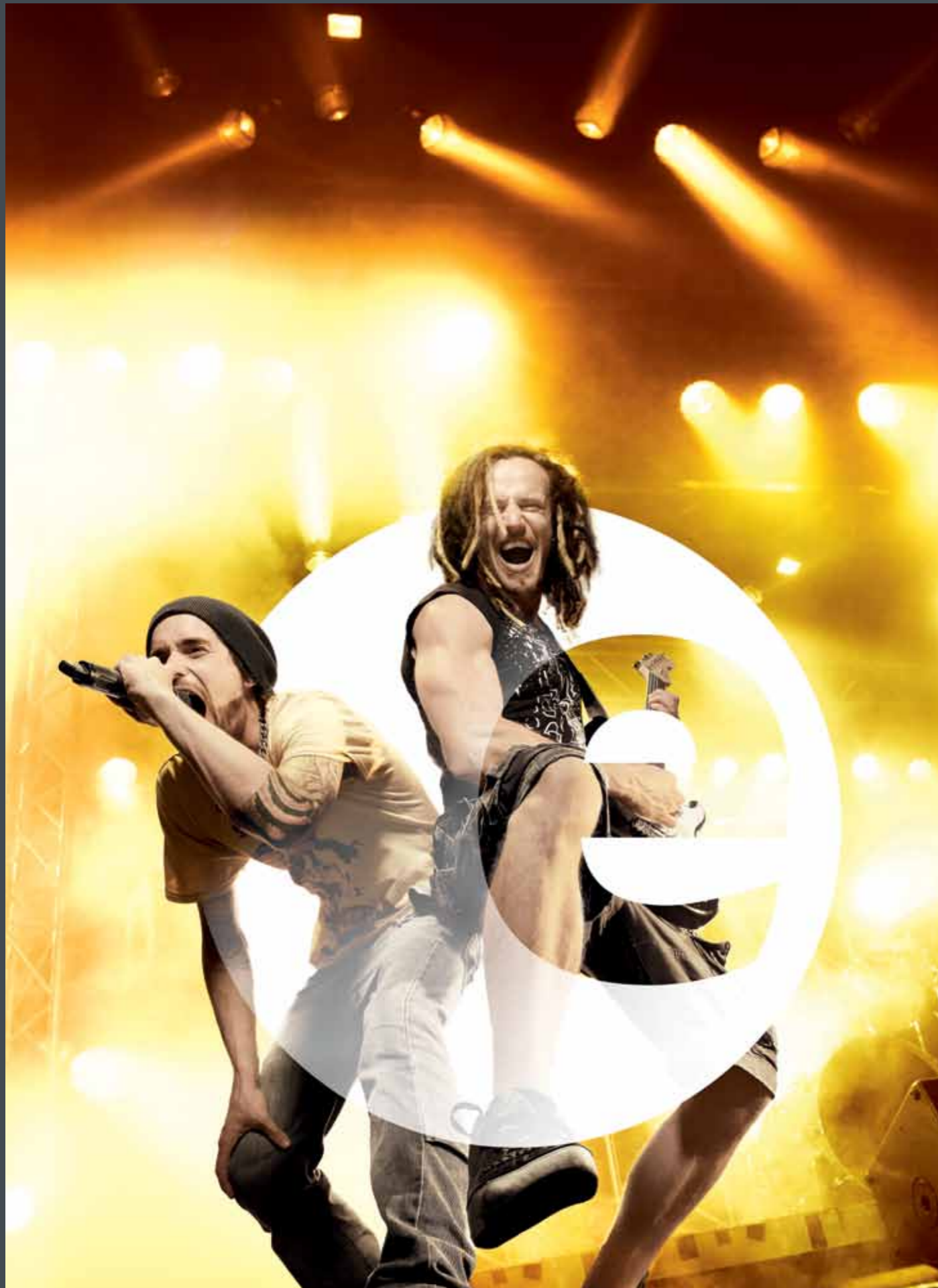
### GAM 2

2-ch rackmount kit – Accessory kit to mount 2 EM 10 into a 19" rack. It also allows antenna front mount of 2 antennas and interconnection of RF signals from antennas to the receivers. Antenna splitters and BNC cables are included.

### GAM 3

The GAM 3 two-channel rack-mount brackets serves to install two EM 10 receivers of the XS WIRELESS series in 19" racks. Antenna splitters and cables are not included in GAM 3 and must be ordered separately.





# YOU KNOW YOU CAN



## EVOLUTION WIRELESS G3

Count on breakthrough sound. Playing a large gig? Or perhaps a smaller club? You can. Need to live it up on the stage? Need to move with absolute freedom? You can. Need the flexibility of several frequencies at your disposal? You can.

Evolution wireless G3 is your entrance to the professional league of wireless sound transmission. The system's technical range is unique – and truly breathtaking at any price. This starts with the ease of use, continues with the enormous range of switching bandwidth, and ends with the robust construction. Evolution wireless G3 can grow with you as your career and needs progress. This means that base sets can be expanded with individual components and accessories, as needed. This modular solution means you only need invest in as much equipment as you require for the particular size of your shows. This not only saves money but also leaves a myriad of options open for the future.



You Know You Can Count On Breakthrough Sound. Thanks to its expanded bandwidth (42 MHz), 1680 switchable frequencies, and the perfect Sennheiser live sound, the 100 Series is the ideal choice for musicians and presenters, and best suitable for camera and wireless monitor applications. The third generation of evolution wireless supplies full stage freedom and perfect sound for singers, musicians and performers.

- Infrared interface for synchronization of transmitters
- User-friendly menu operation with more control options
- Enhanced frequency bank system with up to 12 compatible frequencies
- 42 MHz bandwidth: 1680 tunable UHF frequencies
- Infrared interface for synchronization of transmitters
- Integrated Equalizer and Soundcheck mode
- Sturdy metal construction
- Increased range for audio sensitivity
- HDX compander for crystal-clear sound

## Vocal Set

Gone are the days when a singer had to shout into the microphone to be heard. The robust handheld transmitter delivers full first-rate live sound. You can choose from 5 exchangeable microphone capsules. All vocal sets include a SKM 100 Series handheld transmitter and an EM 100 Series rack mountable receiver.

- Available in the following kits:
- ew 135 G3 – SKM 100-835 G3 (dynamic, cardioid)
  - ew 145 G3 – SKM 100-845 G3 (dynamic, super-cardioid)
  - ew 165 G3 – SKM 100-865 G3 (condenser, super-cardioid)

## Instrument Set

Who says a guitarist always has to stand in one place? The ew G3 Instrument Set gives you the freedom to rock the crowd wherever you are on stage: no strings attached. All instrument sets also feature an integrated guitar tuner makes a tuning snap. The instrument set includes an EK 100 bodypack transmitter and an EM 100 rackmount receiver.

- Available in the following kits:
- ew 172 G3 – Instrument system with built-in guitar tuner

## HeadSet

Regardless of whether you are a singer, actor, dancer or fitness trainer: With the special frequency response of this headset microphone, your voice will be heard at the very back in the last row.

- Available in the following kits:
- ew 152 G3 – ME 3-ew headset (cardioid)

## Presentation Set

A professional quality standard that has proven itself for moderation and on stages alike. Impress your audience with a crystal-clear presentation. The small clip-on microphone offers excellent speech intelligibility with its special frequency response.

- Available in the following kits:
- ew 112 G3 – ME 2 clip-on microphone (omnidirectional)
  - ew 122 G3 – ME 4 clip-on microphone (cardioid)



ew 112 G3 with ME 2

ew 122 G3 with ME 4

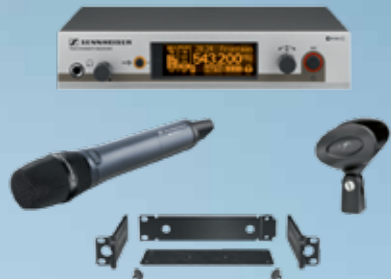
The 300 Series is at its best at conferences, presentations and live events. Speakers and presenters love the crystal-clear sound of the microphones, and as a technician, you can rely on a flexible and versatile wireless system that gives you full control of your event.

- Features up to 24 compatible frequencies
- User-friendly menu operation with more control options
- 42 MHz bandwidth: 1680 tunable UHF frequencies
- Infrared interface for synchronization of transmitters
- Integrated Equalizer and Soundcheck mode
- Ethernet port for control via computer

## Vocal Set

This hand-held transmitter/microphone combination provides the user with a tool that is both powerful and sensitive at the same time. The programmable mute button offers the valuable option of silence when it is needed.

- Available in the following kits:
- ew 335 G3 – SKM 300-835 G3 (dynamic, cardioid)
  - ew 345 G3 – SKM 300-845 G3 (dynamic, super-cardioid)
  - ew 365 G3 – SKM 300-865 G3 (condenser, super-cardioid)



ew 312 G3



ew 322 G3



## Presentation Set

There is no better way to express yourself and impress your audience than with the professional G3 presentation set. The extremely small MKE 2 clip-on microphone is renowned for its highest sound quality and robustness.

- Available in the following kits:
- ew 312 G3 – ME 2 clip-on microphone (omni-directional)
  - ew 322 G3 – ME 4 clip-on microphone (cardioid)

## Headset

There is no better way to express yourself and impress your audience than with the professional G3 presentation set. The extremely small MKE 2 clip-on microphone is renowned for its highest sound quality and robustness.

- Available in the following kits:
- ew 352 G3 – ME 3-ew headset microphone (cardioid)

You Know You Can Expand Your Capabilities. The 500 Series is the top line of evolution wireless. Sound professionals and artists who work on the world's biggest stages rely on G3. A wireless system at this price point cannot be more flexible and versatile.

- Features up to 32 compatible frequencies
- User-friendly menu operation with more control options
- 42 MHz bandwidth: 1680 tunable UHF frequencies
- Infrared interface for synchronization of transmitters
- Integrated Equalizer and Soundcheck mode
- Ethernet port for connecting to the Wireless Systems Manager (WSM) software for control via computer for a good overview of monitoring and professional data management for multi-channel systems

## Vocal Set

Raise your voice with the tour-proven wireless microphone and absolutely reliable sound transmission. Choose between three professional microphone heads (two dynamic and one condenser) from the renowned Sennheiser evolution 900 line.

- Available in the following kits:
- ew 535 G3 – SKM 500-935 G3 (dynamic, cardioid)
  - ew 545 G3 – SKM 500-945 G3 (dynamic, super-cardioid)
  - ew 565 G3 – SKM 500-965 G3 (condenser, super-cardioid)



## Instrument Set

Rocking the crowd has never been so easy or professional. The integrated control menu with guitar cable emulation, the RF/AF mute for multiple guitars and the integrated guitar tuner ensure that you have absolute control of your gig. The instrument set includes an EK 500 bodypack transmitter, and an EM 500 receiver.

- Available in the following kits:
- ew 572 G3 – Instrument system with built-in guitar tuner



## Presentation Set

There is no better way to express yourself and impress your audience than with the professional G3 presentation set. The extremely small MKE 2 clip-on microphone is renowned for its highest sound quality and robustness.

- Available in the following kits:
- ew 512 G3 – MKE 2-ew clip-on microphone (omni-directional)





4 Sets available with different system components

## ENG Set

Capture the right moment with the ENG Set for perfect sound transmission while filming. Four different sets are available including either a handheld transmitter or a body pack transmitter with an omni-directional or cardioid clip-on microphone.

Available in the following kits:  
 ew 100 ENG G3 – ENG system with bodypack/receiver/plug-on transmitter  
 ew 135-p G3 – ENG system with hand-held microphone  
 ew 112-p G3 – ENG lav system for camera/portable use  
 ew 122-p G3 – ENG system with cardioid lavalier microphone



## Wireless Monitoring Set

The Wireless Monitor Set gives you complete control of your performance across the entire stage. The body pack diversity receiver with volume control is as easy to use as the stereo transmitter, which offers PC-controlled monitoring of multi-channel applications via the Wireless Systems Manager (WSM) software.

Available in the following kits:  
 ew 300 IEM G3  
 ew 300-2 IEM G3 (with extra belt-pack)



## LAVALIER & HEADSET MICROPHONES

Embodying Sennheiser's extensive knowledge of microphone technology in sub-miniature packages, these microphones have become the industry's standards in theater, television and film applications.

### ME 2

Omni-directional lavalier microphone to be used with evolution wireless bodypack transmitters or MZA 900 P phantom power adapter with wireless applications.

- Features
- High speech intelligibility
  - Frequency response: 40-18,000 Hz



### ME 4

Lavalier mic with cardioid pattern and exceptional feedback rejection. Can be used together with evolution wireless series bodypack transmitters or MZA 900 P phantom power adapter with wireless applications.

- Features
- High speech intelligibility
  - Frequency response: 80-16.000 Hz



### ME 3-ew

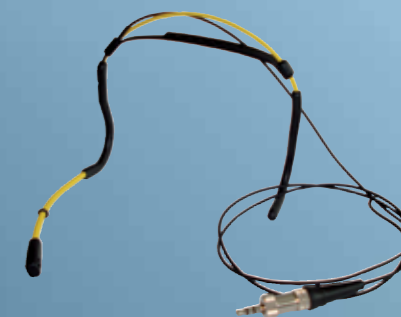
Headmic for SK 100, SK 300 and SK 500, condenser, cardioid.

- Features
- Sound pressure level: 150 dB



### ME 3 Extreme

Heavy duty headset microphone for aerobics. Permanent polarized condenser elektret. Available in black and yellow edition.







TRS connector

## MKE 1 - EW 1/2/3/4

Whether for musicals and live shows, or for broadcasting applications, the MKE 1 – Sennheiser’s smallest clip-on microphone – performs at its best in all situations where a microphone needs to be virtually invisible and still offer outstanding sound quality.

Available in Black, Beige, Brown and White.

Also available: The MKE 1 paintable version (MKE 1-EW-M). Ideal for drama, plays, musicals, shows and televised events, the clip-on mic can be coloured with markers or spray paint, blending in the tiny lavalier with the artist’s costume and make-up.



## HSP 2 - EW/EW 3 HSP 4 - EW/EW 3

Headworn microphone featuring very lightweight design and superlative audio quality. Permanently polarized MKE platinum condenser capsule with omni-directional polar pattern designed for professional “hands free” applications. The adjustable neckband is visually unobtrusive and very comfortable to wear. HSP2 is available in black or beige, and can be ordered with connector for 3000 & 5000 series wireless, evolution wireless, or without connector (stripped and tinned leads). Includes modular snap-on cable and hard carrying case.

## Ear set 1 - EW/EW 3 Ear set 4 - EW/EW 3

The Ear Set 1 features excellent speech intelligibility and clear, pleasant trebles. It is insensitive to pop and wind noise and has a capsule diameter of only 3.3 mm. The Ear Set 1 uses the proven acoustics of the MKE 1 clip-on microphone. This high-quality microphone has been designed for stage and broadcast use, where it ensures optimum sound and hands-free freedom of movement. The ear bow and mic boom can be easily adapted to the shape of the ear and face. The Ear Set is available with LEMO or 3.5 mm jack plugs for use with the 2000, 3000 and 5000 Series as well as evolution wireless bodypacks. Thanks to a modular design, the components of the ear-worn microphones are easily interchangeable.

## MKE 2 Gold

The MKE 2 Gold is a high-quality, sub-miniature clip-on lavalier microphone which is suitable for both speech and instrument miking applications in all areas of live work. It fulfills the most stringent demands on sound quality and is extremely rugged. A special Umbrella Diaphragm™ and a welded housing protect the MKE 2 Gold against sweat and moisture, making it an ideal choice for theatrical productions.

### Features

- New Umbrella Diaphragm™ protects the mic against sweat
- Very high sound pressure handling capability
- Versatile attachment due to an extensive range of accessories

## MKE 40

High quality condenser clip-on microphone with cardioid pattern, designed to meet the highest requirement on sound quality. Suitable for both speech and instrument miking applications in all areas of live & broadcast work.

### Features

- High gain before feedback
- Very good speech intelligibility
- Outstanding bass reproduction

## MZ 1

The complete accessory kit for the MKE1 microphone.

The box also has a compartment to store the microphone. incl.:

- 1 x MZK 1, accessory box, transparent
- 2 x MZQ 1, Mini clip, white and black
- 2 x MZQ 10, Mini clamp, white and black
- 2 x MZM 1, magnetic mount, white and black
- 1 x MZV 1, cover-up, transparent
- 2 x ZH 1, pin mount, white and black
- 2 x MZW 01, windshield basket, black and beige
- 4 x MZW 02, foam windshield, black, beige, brown, white

## MZ 2

The Sennheiser MZ-2 is an accessory kit for the MKE-2 lavalier microphone. This kit consists of 2 tie clips, 2 pin clips, 2 windscreens and a carrying case for all of these little components.

### Features

- Windscreen aids in reducing wind and pop noises
- Pin clip performs same function as a tie pin, sticking through the material and small lock pushed onto the rear of the pin
- Lapel clips enable the user to clip the lavalier microphone to clothing rather than piercing a hole in it. Small carrying case holds all of the above components

## LAV Tape

Tape to fix microphones on skin, 10 m Roll

## IE 4

Earphones for wireless monitor applications with outstanding sound quality. Includes exchangeable ear sleeves for a perfect, customized fit for high isolation against environmental noise and very good bass response.



# WIRELESS COMPONENTS

Additional components can be added to enhance any system, but it is important to identify and select the matching frequency range to ensure compatibility. To help simplify the matching process, Sennheiser clearly prints the tuning range (A, G or B) on the back of all components. Transmitters and receivers must also use the same compander circuitry to provide correct audio results.

Sennheiser's proprietary HDXTM circuitry is featured in all three generations of evolution wireless (G1/ G2/G3), as well as our 2000 Series. As long as the frequency range matches, evolution wireless and 2000 Series are fully forward and backwards compatible.



## SK 100/300/500 /1G8

Sennheiser evolution wireless G3 bodypack transmitters (SK 100 G3, SK 300 G3, and SK 500 G3) offer adjustable input sensitivity control to complement a wide range of lavalier microphones (ME2 omni, ME4 cardioid, MKE 2 Gold omni), headmics (ME3-ew, HSP4-ew, Ear Set 4-ew), or line-level signals such as electric guitars and basses. With compact, rugged designs, bodypack transmitters are commonly used in musicals, theatrical stages, film and television sets.

## EK 100

Portable components always work easiest when you do not have to think about them. This was the basis on which the EK 100 G3 was developed. Its adaptive-diversity technology provides excellent reception at all times. This receiver is designed to securely attach to a camera's shoe using a clamp mount. The EK 100 G3 also can synchronize to a G3 transmitter with a simple push of a button. The EK 100 G3 is compatible with the optional DC 2 external adapter for extended use without batteries where a 12VDC source is available.

## EK 300 IEM

The compact EK 300IEM G3 bodypack receiver provides the performer with clear, interference-resistant monitoring. A unique "Stereo / Focus" mode toggles between standard stereo monitoring and Focus (mono) mode. In Focus mode, users can freely adjust the balance of the system's two channels to create a custom monitor mix (for example, to create a balance between vocals with instrumentation). A large, easy-to-use knob allows users to control volume, while an adjustable Audio Limiter can be engaged to protect against hearing loss. Multiple receivers can receive and listen to the same signal, allowing performers to share a monitor mix.

## SKM 100/300/500 /1G8

Available with different capsules.

Professional events demand reliability and extensive operating range, regardless of conditions. Sennheiser's evolution wireless G3 transmitters meet that challenge with 30 mW of output power, which can deliver approximately 300 feet of operating range (line of sight) in a good RF environment. With rugged metal housings, G3 series transmitters are built to endure wear-and-tear, for consistent results, night after night. To preserve every nuance of your performance, evolution wireless G3 employs a proprietary noise-reduction system called HDXTM, which maximizes audio quality and avoids the noise inherent in most RF systems. HDXTM converts the analog audio signal to RF and back to analog again, all with stunning accuracy and quality. With a wide frequency response of 25 Hz to 18 kHz (line), evolution wireless G3 sounds as good as our wired microphones.



## SKP 100/300

Plug-on transmitters are often used on location news-casts, reality TV, and movie sets to convert traditional wired microphones or line level signals into wireless devices. The SKP 100 G3 plug-on is ideal suited for dynamic mics, such as the MD 42 or MD 46. For condenser mics requiring 48v phantom power, such as the MKH 416 shotgun microphone, Sennheiser also offers the phantom power-equipped SKP 300 G3.



Sennheiser's G3 portable transmitters can operate for up to 8 hours on a pair of AA batteries. Audio and RF transmission quality is never compromised as batteries run down, thanks to dedicated circuitry that maintains a constant internal system voltage. G3 transmitters also relay battery strength to their receivers, allowing sound engineers to remotely monitor battery life at a glance. G3 handheld and bodypack transmitters also feature external charging contacts, for use with optional BA 2015 rechargeable battery packs and the L 2015 charging station.

## EM 100/300/500 /1G8

Sennheiser's G3 series fixed receivers (EM 100 G3, EM 300 G3, and EM 500 G3) are compact, half-rack sized units which can be mounted in standard 19" equipment racks using the optional GA3 rack-mount adapter. Sennheiser employs True Diversity antenna technology in its G3 rack-mount receivers, to ensure the most stable, uninterrupted wireless reception. True Diversity receivers contain two independent tuning modules and a comparison circuit that continuously routes the stronger signal to the receiver's output. Put simply, True Diversity maximizes system reliability.



## SR 300 IEM G3

The SR 300IEM G3 transmitter can send either a mono or stereo-multiplexed signal via a pair of balanced 1/4" / XLR combination jacks. With 1,680 available UHF frequencies and easy multi-channel operation, the system can provide wireless monitoring for every performer on stage. Robust output power (30 mW) provides extended range and signal stability.

# Above All Others.

1800  
MHz  
Range

## The ew 100 G3-1G8 series

Technical twins to the ew 100 G3 series, assorted sets are also available as 1GB versions especially tuned for the 1800 MHz range, which can be used without extra permission in most European countries.

Features: similar to ew 100 series, but

- Frequency range: 1785 -1800 MHz
- 1500 tunable frequencies in 10 kHz steps
- RF output power: 10mW
- Special BNC antennae (1G8)
- ew 100 G3-1G8 includes up to 12 compatible frequencies

Key values of the 1800 MHz band

- Exclusive frequency band for audio transmission!
- Sennheiser is the first to have a system in this range!
- Yet unused frequency range, no primary users!
- Discharge of the UHF band!
- RF performance nearly equal to UHF systems!
- Harmonized frequency range in nearly all European countries!
- License-free in many European countries!

### Presentation Sets

- |   |          |                      |
|---|----------|----------------------|
| Rack-mount receiver, bodypack transmitter, lavalier mic | ■ ew 112 | omni-directional mic |
|   | ■ ew 122 | cardioid mic         |

### Head Sets

- |  |          |              |
|--|----------|--------------|
| Rack-mount receiver, bodypack transmitter, headset mic | ■ ew 152 | cardioid mic |
|--|----------|--------------|

### Instrument Sets

- |   |          |  |
|---|----------|--|
| Rack-mount receiver, bodypack transmitter, instrument cable | ■ ew 172 |  |
|---|----------|--|

### Vocal Sets

- |  |              |  |
|--|--------------|--|
| Rack-mount receiver, handheld transmitter, microphone clip | ■ ew 135     | MMD 835-1 mic head (dynamic, cardioid)         |
|  | ■ ew 145     | MMD 845-1 mic head (dynamic, super-cardioid)   |
|  | ■ ew 165     | MMD 865-1 mic head (condenser, super-cardioid) |
|  | ■ ew 100-935 | MMD 935-1 mic head (dynamic, cardioid)         |
|  | ■ ew 100-945 | MMD 945-1 mic head (dynamic, super-cardioid)   |

### Single components

- |                      |           |
|----------------------|-----------|
| Rack-mount receiver  | ■ EM 100  |
| Handheld transmitter | ■ SKM 100 |
| Bodypack receiver    | ■ SK 100  |

### Technical specifications

- |                             |                                      |
|-----------------------------|--------------------------------------|
| For all sets and components | ■ Frequency range: 1785-1800 MHz     |
|                             | ■ Simultaneous use of 12 frequencies |
|                             | ■ RF output power: 10 mW             |



EM100 G3



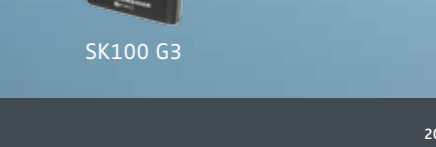
EW135 G3



EW152 G3



EW172 G3



SK100 G3



## CHOOSING A UHF WIRELESS SYSTEM

Sennheiser's evolution wireless G3 line is available in three performance grades – ew 100 G3, ew 300 G3, and ew 500 G3. All three lines are fully compatible, sharing identical RF technology with 1,680 tunable frequencies, 30 mW of output power and True Diversity reception on all rackmount receivers. Every component features Sennheiser's proprietary HDX™ compander circuitry for crystal-clear audio, and an innovative infrared sync that allows the receiver to quickly program the transmitter to a new frequency. With the press of the SYNC button, the receiver transfers the desired frequency into the transmitter, greatly simplifying the setup process.

Looking beyond the shared core RF platform, each series offers unique features that address increasingly complex multi-channel applications. The ew 100 G3 series offers streamlined, portable wireless solutions. The ew 300 G3 series enhances control with integrated mute functions and remote control over Ethernet. The ew 500 G3 series delivers with Sennheiser's top-of-the-line mic capsules and lavalier elements, for the best possible audio quality.

	EW 100 G3	EW 300	G3 EW 500 G3
Switching bandwidth		42 MHz	
Tunable frequencies		1,680	
Synchronization		Infrared	
Noise Reduction		HDX	
RF output power	30 mW	selectable 10 / 30 mW	
Frequency Banks	20 Preset (intermod free) 1 User Programmable	20 Preset (intermod free) 6 User Programmable	
Channels per Bank	12	24	32
Mic capsules (handheld)	e 800 series		e 900 series
Mic elements (lavalier)	ME 2 / ME 4		MKE 2 Gold
Audio Control (handheld)	-	Mute button on body	-
Audio Control (bodypack)	-	Optional RMS 1	-
Receiver Display	Small / 1 color	Large / 2-color	
Networkable (remote monitoring, media control)	Ethernet / RJ45		
Squelch	Adjustable in 3 levels (low/medium/high)	Adjustable in 2dB steps	

One of the most important considerations in selecting the right wireless series for an application is the number of channels required. G3 systems offer 20 "Banks" of coordinated frequency presets, known as "Channels." For reliable operation, all systems in a given frequency range should be set to the same Bank, each to a unique available Channel. The number of Channels per Bank increases with the series, up to 32 per bank in ew 500 G3. Larger multi-channel systems will be easier to set up and coordinate with the more advanced series, like ew 500 G3.

One of the more powerful features found in ew 300 and ew 500 G3 systems is an Ethernet RJ 45 port, which allows users to remotely program and monitor their systems using Sennheiser's Wireless Systems Manager software, on either a Mac or PC. When interconnected with an Ethernet switch, ew 300 and 500 series systems can also perform a networked Easy Setup, distributing the results of a common scan to all connected receivers - resulting in faster setup and coordination.

## SELECTING SYSTEMS AND COMPONENTS

Sennheiser offers a wide range of evolution wireless G3 systems to cover almost any wireless application, from wireless instruments to personal monitoring to portable ENG systems. G3 systems are sold in sets, containing a matched transmitter and receiver, including:

	EW 100 G3	EW 300 G3	G3 EW 500 G3
Handheld Systems	ew 135 G3 ew 145 G3 ew 165 G3	ew 335 G3 ew 345 G3 ew 365 G3	ew 500-935 G3 ew 500-945 G3 ew 500-965 G3
Lavalier Systems	ew 112 G3 ew 122 G3	ew 312 G3 ew 322 G3	ew 512 G3
Headmic Systems	ew 152 G3	ew 352 G3	-
Instrument Systems	ew 172 G3	-	ew 572 G3
Portable / Camera Systems	ew 112P G3 ew 122P G3 ew 135P G3 ew 100 ENG G3	-	-
Monitoring Systems	-	ew 300 IEM G3 ew 300 2-IEM G3	-

## ACCESSORIZING A WIRELESS SYSTEM

Sennheiser offers many useful accessories for evolution wireless G3 to help expand the functionality of the system. A few common accessories include:

### GA3 Rack Adapter

For convenient side-by-side mounting of up to two fixed EM receivers, SR transmitters, ASA1 splitters or AC3 combiners in a standard 19" rack. Included with ew 300 G3 and ew 500 G3 systems, available separately for ew 100 G3 systems.



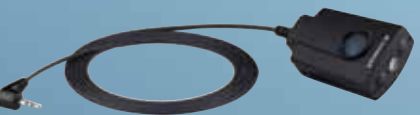
### AM2 Front Mount Antenna Kit

For use with a rack-mounted G3 receiver, transmitter, splitter or combiner, the AM2 extends a pair of antenna rods to the half-rack front panel included in the GA3 rack-mounting kit. Front-mounting antenna rods can enhance system performance, when compared to antennas "buried" inside the rack.



### RMS 1 Remote Mute Switch

For use exclusively with the SK 300 G3, the RMS 1 is a programmable remote mute switch which performs specialty applications such as press-to-talk or press-to-mute.



# TRULY YOURS



## MK 4 Studio Microphone

A large-diaphragm true condenser microphone for professional studio recordings. Featuring fine resolution and outstanding sound quality, the MK 4 is easy to handle and excellent value for money, making it an ideal choice for professional project studios and home recordists.

### Features

- Large-diaphragm capsule (1") / True condenser design
- 24-carat gold-plated diaphragm
- Full metal housing
- Capsule shock-mounted internally to minimise structure-borne noise
- Low inherent self-noise and high maximum SPL
- Optional MKS 4 Shockmount

Transducer principle	Externally polarised condenser microphone
Diaphragm diameter	25.4 mm (1")
Pick-up pattern	Cardioid
Frequency response	20-20,000 Hz
Sensitivity	25 mV/Pa
Maximum sound pressure level	140 dB
Equivalent noise level	10 dB(A) / 20 dB(CCIR)
Dynamic range	130 dB
Power supply	48 V phantom power (P48)
Current consumption	3.1 mA
Diameter	57 mm (maximum)
Length	160 mm
Weight	485 g



MKS 4 Shockmount



MKW 4 Foam windscreen





# THE RIGHT MIC



**EVOLUTION MICROPHONES** Sennheiser presents a complete range of microphones covering vocal, instrument and backline. Sennheiser evolution wired microphones feature a 10-year warranty, robust construction, full-metal body, minimum handling noise, amazing SPL and outstanding feedback rejection.





## e965

A hand-held vocal microphone with a true condenser capsule in large-diaphragm technology. It combines the best available features of a stage microphone with Sennheiser's pioneering experience in the field of acoustics. Able to cut through high on-stage levels the e965 is the flagship model of the award-winning evolution 900 Series. Switchable pick-up pattern (cardioid/super-cardioid).

- Frequency response: 40-20,000 Hz
- Nominal impedance: 50 Ω



## e945

A top-class super-cardioid vocal microphone for professional use. The e945 easily cuts through the mix and provides exceptional presence. Precise, full sound is matched with high insensitivity to feedback and handling noise. Rugged design with shock-mount capsule and hum compensating coil.

- Frequency response: 40-18,000 Hz
- Nominal impedance: 350 Ω



## e935

A cardioid vocal microphone developed to cut through high stage levels. Highly insensitive to feedback and handling noise, the e935's durable design will take all the inevitable knocks on stage. A hum compensating coil reduces electromagnetic interference.

- Frequency response: 40-18,000 Hz
- Nominal impedance: 350 Ω



## e901

A 'semi'-cardioid condenser boundary microphone, ideal for miking kick drums. It features an integral phantom power adapter and a highly robust, step-resistant housing.

- Frequency response: 20-20,000 Hz
- Nominal impedance: < 100 Ω

## e902

The frequency response of the e902 has been optimised for very low frequencies, making this cardioid dynamic microphone an ideal choice for kick drums, bass guitar amps, tuba and other low-frequency instruments. Very fast attack.

- Frequency response: 20-18,000 Hz
- Nominal impedance: 350 Ω

## e904

A cardioid dynamic microphone for drums (especially toms and snare drums) and percussion. Its very compact design allows a positioning very close to the drum skin. With clip for attaching to the drum rim.

- Frequency response: 40-18,000 Hz
- Nominal impedance: 350 Ω

## e906

The super-cardioid e906 is designed specially for guitar amps but is also excellent for drums, percussion and brass instruments. It features three adjustable sound characteristics (bright, normal, smooth).

- Frequency response: 40-18,000 Hz
- Nominal impedance: 350 Ω





## e908

The four versions of this cardioid condenser microphone guarantee optimum miking solutions and exceptionally vivid, clear sound. The e908 B is designed for brass instruments, but its multifunctional bell clip also makes it particularly suitable for drums with suspension system or congas. Complete with phantom power adapter.

Variants:

- e908 B ew: for use in combination with evolution wireless bodypack transmitters
- e908 T ew: ideal for trumpets, flugelhorns and trombones
- e908 D: specially developed for drums and percussion

- Frequency response: 40-20,000 Hz
- Nominal impedance: 100 Ω (at the phantom power adapter)



## MZA 900 P/MZA 900 P-4

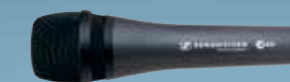
Phantom powered pre-amplifier.



## e914

A condenser microphone designed for ambitious recordings and live performances. It is ideal for cymbals, hi-hats, overhead miking, choirs, and orchestras. The e914 is fitted with a three-position sensitivity switch and a three-position bass roll-off/cut-off switch.

- Frequency response: 20-20,000 Hz
- Nominal impedance: 100 Ω



## e835 / 835-S (With switch)

High-quality vocal microphone. Cardioid pick-up pattern for good feedback rejection and uniform on and off-axis response. Also available as e835 S with noiseless on/off switch.

- Frequency response: 40-16,000 Hz
- Nominal impedance: 350 Ω



## e845 / 845-S (With switch)

High performance super-cardioid vocal microphone with exceptional feedback rejection. Ensures vocal projection through high on-stage sound levels. Also available as e845 S with noiseless on/off switch.

- Frequency response: 40-16,000 Hz
- Nominal impedance: 350 Ω



## e865 / 865-S (With switch)

The highlight of evolution 800 Series stage microphones. Rugged condenser mic that cuts easily through high on-stage levels. Full, precise sound, especially in the treble. Also available as e865 S with noiseless on/off switch.

- Frequency response: 40-16,000 Hz
- Nominal impedance: 350 Ω



## e602 II

Dedicated mic for bass instruments. Delivers very low bass response (down to 20 Hz) and fast transient signals. No corrective EQing necessary, even on the most problematic bass signal sources.

- Frequency response: 20-16,000 Hz
- Nominal impedance: 350 Ω



## e604

Robust mic for close-miking drums, brass and woodwind instruments, capable of handling very high sound pressure levels in excess of 160 dB. Delivered with drum clip for attachment to rim of drum.

- Frequency response: 40-18,000 Hz
- Nominal impedance: 350 Ω



## e608

Very small dynamic microphone, full-size sound quality. Newly developed clamp and gooseneck mounting for positioning the mic close to the sound source.

- Frequency response: 40-16,000 Hz
- Nominal impedance: 250 Ω



## e609 Silver

Rugged super-cardioid microphone for guitar and bass amplifiers, able to handle extreme sound pressure levels.

- Frequency response: 40-15,000 Hz
- Nominal impedance: 350 Ω



## e614

A pre-polarized condenser instrument microphone with super-cardioid pick-up pattern. Designed for demanding applications, which require a wide frequency response, high SPL, fast transient response and a compact design.

- Frequency response: 40-20,000 Hz
- Nominal impedance: 50 Ω

## THE CLASSICS

Renowned for decades, Sennheiser's line of classic dynamic microphones has been updated with the complete re-engineering of the famous MD 421.



## MD 421 II

The MD 421 II continues the tradition of the MD 421, which has been one of Sennheiser's most popular dynamic mics for over 35 years. The large diaphragm, dynamic element handles high sound pressure levels, making it a natural for recording guitars and drums. The MD 421's full-bodied cardioid pattern and five-position bass control make it an excellent choice for most instruments, as well as group vocals or radio broadcast announcers. One listen and you'll know why it's a classic.

- Frequency response: 30-17,000 Hz
- Nominal impedance: 200 Ω



## MD 431 II

Sennheiser's best dynamic mic for live vocals just got better. The super-cardioid MD 431 II has a custom-tailored frequency response to achieve added transparency. A nearly frequency-independent polar pattern offers incredibly high gain before feedback and provides uncoloured off-axis response. Its new rugged housing has a steel-mesh grille, a shock-suspended capsule, and a hum-bucking coil. It features a noiseless, magnetic reed on/off switch which is recessed in its handle, and internal electronics for refining proximity effect.

- Frequency response: 40-16,000 Hz



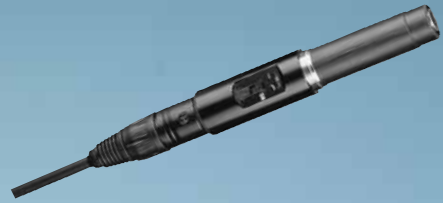
## MD 441

The MD 441 is acknowledged as the most accurate and versatile dynamic mic available. It has a nearly textbook perfect super-cardioid pattern, a five-position low frequency contour switch, a two-position high frequency switch, a critically damped internal shock suspension, and a hum bucking coil. Perfect for vocals and virtually every instrument.

- Frequency response: 30-20,000 Hz



# BROADCAST/ENG/FILM MICROPHONES



## K6P

The K6P powering module is at the heart of Sennheiser's professional modular condenser microphone system. It is similar to the K6 powering module but is powered by 12 – 48 V phantom power only, for use where battery power is not required (e.g. permanent installations).

The K6P can be combined with various microphone heads to produce microphones with a variety of pick-up patterns. Matt black, anodised, scratch-resistant finish.



## K6 - K6CL

The K6 powering module is the heart of this Sennheiser professional modular microphone system and can be powered either by its internal 'AA' size 1.5 V battery or by 12 - 48 V phantom power. The K6 can be combined with different condenser microphone heads to provide a wide variety of polar patterns. Matt black, anodised scratch-resistant finish.

KCL as K6 but with lower output and basic packaging (-14db)



## ME62

Back-Electret Microphone Head. Suitable for K6 and K6P Powering Modules. The ME 62 is an omni-directional microphone head suitable for K6 and K6P powering modules. It can be used for reporting, discussions and interviews. The ME 62 is particularly suitable for good reproduction of 'room' ambience and 'spaced omni' stereo recording.

Matt black, anodised, scratch-resistant finish.



## ME64

Back-Electret Microphone Head Suitable for K6 and K6P Powering Modules. The ME 64 is a cardioid microphone head designed for use with the K6 and K6P powering modules. It has a very wide range of applications including reporting, interviews, dubbing, live sound reinforcement and recording applications. Matt black, anodised, scratch-resistant finish.



## ME65

Back-Electret Microphone Head Suitable for K6 and K6P Powering Modules. The ME 65 is a super-cardioid microphone head designed for use with the K6 and K6P powering modules. It is especially suited to vocal and speech applications. Matt black, anodised, scratch-resistant finish.

## ME67

Back-Electret Microphone Head The ME 67 is a long gun microphone head designed for use with the K6 and K6P powering modules. A highly directional microphone, it can be used where the microphone must be placed at a distance from the sound source. Matt black, anodised, scratch-resistant finish.

## MKE 400

Rugged, compact and versatile for great video sound: The MKE 400 is a small shot gun microphone for cameras with a lighting shoe mount and external microphone input.

## MKE 600

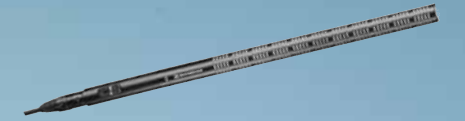
The MKE 600 is a camcorder microphone that can master even the toughest video sound challenges. Its high level of directivity ensures that it picks up sound from the camera direction while reliably attenuating unwanted sound coming from the sides and rear.

## MKE 44-p

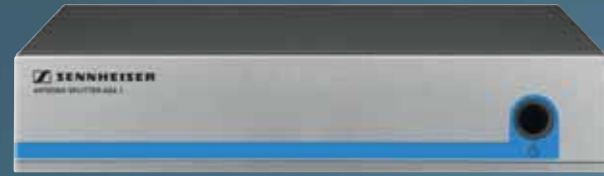
The MKE 44P is a back-electret pre-polarized condenser microphone with two cardioid microphone capsules set at 90 degrees for XY stereo applications.

## MD 21U

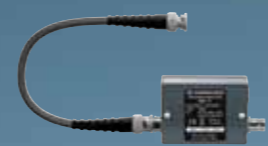
The MD 21 U can be used for both speech broadcasting (interviews, reporting, discussions, etc.) and music broadcasting (boom and room mics). Colour: black.



# ACCESSORIES WIRED/WIRELESS



ASA 1 / ASA 1 - 1G8 Antenna splitter



AB 3 / AB 3 - 1G8 Antenna booster



Mic Capsules  
MMD 835/935



Mic Capsules  
MMD 845/945



Mic Capsules  
MME 865/ MMK 965



AC 3 Transmitter combiner



AM 2 Antenna front mount



BA 2015  
Rechargeable battery pack



LA 2  
Charging adapter for SKM used with L 2015



L 2015 Charging unit



A 5000 CP  
Passive, circular polarization antenna



A 1031-U  
Passive omnidirectional UHF antenna



CC 3 System case



KEN 2 Colour-coded identification rings  
for handheld transmitter



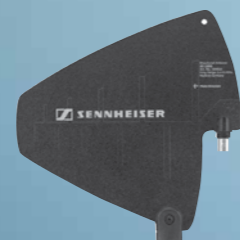
BPP 1 Bodypack pouch



HHP 1  
Pouch for handheld transmitter



A12-AD Active directional antenna



AD 1800 Passive directional antenna



A 2003 Passive directional UHF antenna



CL 1 Instrument cable

## You Know You Can Control Everything

### Wireless Systems Manager

WSM enables real-time monitoring and remote control of all relevant equipment parameters during live operation. Using the WSM PC software you can:

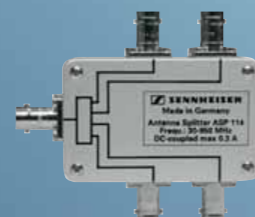
- display and monitor the connected equipment
- configure the connected equipment
- conduct a frequency preset scan
- control combined systems and multichannel systems
- access updates at [www.sennheiserusa.com](http://www.sennheiserusa.com)



CL 2 Line cable



ASP 113  
Passive antenna splitter 1 into 3



ASP 114  
Passive antenna splitter 1 into 4



ASP 212  
Passive antenna splitter 2x1 into 2

# ACCESSORIES WIRED/WIRELESS

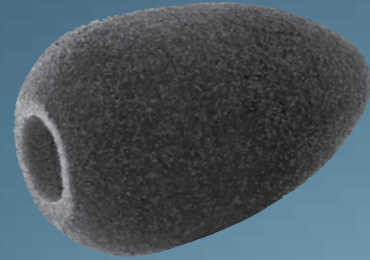
 <p>GA 3 Rack mount</p>	 <p>CA 2 Camera adapter</p>	 <p>MZA 900-P Phantom power adaptor</p>	 <p>MZH 604 Improved L-shaped drum clamp</p>	 <p>MZH 908 B Microphone horn clamp</p>	 <p>MZH 908 D Drum horn clamp</p>
 <p>NT 3-1 Mains unit for AC 3</p>	 <p>NT 2-3 Mains unit for EM 500 G3</p>	 <p>NT 1-1 Mains unit for ASA 1 and L 2015</p>	 <p>MZO 800 Universal stand adapter clip Microphone clamp for the MD 42, MD 46, e 815, e816, e 817, e 825, e 835, e 840, e 845, e 855, e 865, e 903, e 935, e 945 &amp; e 914.</p>	 <p>MZO 441 for MD 441 Flexible quick release stand adapter clip</p>	 <p>MZQ 200 Stand adapter clip for K6 systems</p>
 <p>POP 1 Protective pouch with belt clip</p>	 <p>GZL 1019 A5 Antenna cable with 50 ohms impedance</p>	 <p>GZL A10 Antenna cable</p>	<p>MZO 800 Universal stand adapter clip Microphone clamp for the MD 42, MD 46, e 815, e816, e 817, e 825, e 835, e 840, e 845, e 855, e 865, e 903, e 935, e 945 &amp; e 914.</p>	 <p>MZQ 600 for MKE 600 Microphone clamp incl. wing screw to 3/8" and 5/8" thread</p>	 <p>MZO 600 for MKE 600 Shock mount incl. lighting shoe mount</p>
 <p>DC 2 Power adapter</p>	 <p>RMS 1 Remote mute switch</p>	 <p>MZA 14p48 Battery power supply</p>	 <p>MZO 6 Microphone clamp and quick release clamp for the e 606, e 609, e 614 and e 906</p>	 <p>MZO 100 Microphone clamp and quick release clamp for the e 606, e 609, e 614 and e 906</p>	 <p>MZO 1 Microphone clamp for SKM 100, SKM 300 and SKM 500</p>
 <p>MZT 100 Solid metal table stand</p>	 <p>MZT 14 Mounting bolt</p>	 <p>KA 600 Coiled connecting cable from an XLR-3 connector to a 3.5 mm jack plug</p>	 <p>MZO 6 Video llightning mount adapter for K6 systems.</p>	 <p>MZSK6 Video lightning adapter for K6 systems.</p>	 <p>MZQ 2002-1 Cable clip</p>



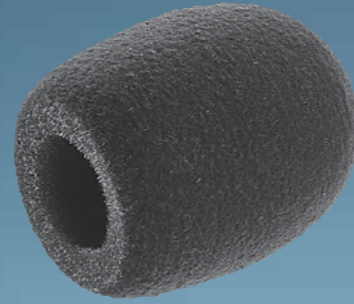
# ACCESSORIES WIRED / WIRELESS



MZ64 Foam windshield for ME 62/64



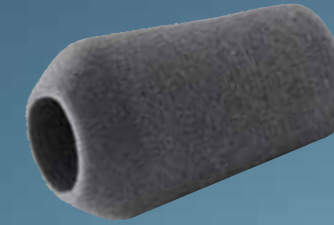
MZ64 PRO Velourised windshield for ME 62 / 64



MZW 65 PRO Velourised windshield for ME 65



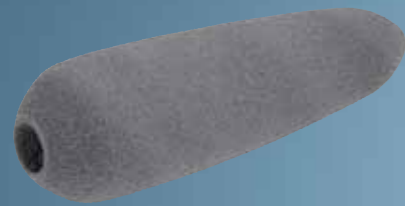
MZW 4032 Foam windscreen  
Designed for use with the MD 42, MD 46, MD 425, the MD 431 II and all e 800 Series microphones. Delivery includes a set of identification rings in five different colours.



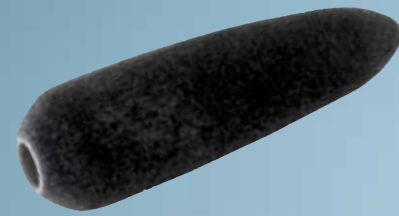
MZW 441 Foam windscreen  
Suitable for use with the MD 441  
Available in Black, Blue and White



MZW 421 Foam windscreen  
Suitable for use with the MD 21 and MD 421.



MZ66 Foam Windshield ME 66



MZ66 PRO Velourised Foam Windshield for ME 66



MZ67 PRO Foam Windshield ME 66



MZW 400 for MKE 400  
Professional Accessory Set, includes hairy cover and 3.5 mm jack socket to XLR



MZH 600 for MKE 600  
Foam windshield and hairy cover



MZW 600 for MKE 600  
Foam windshield that reduces wind noise by around 25 dB



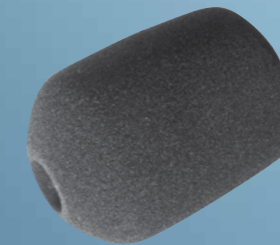
MZW 36 B Velourised windshield for ME 36



MZP 40 Popshield for close vocal applications



MZW 1 Windshield



MZW 40 Foam windshield made from open-cell foam and providing exceptionally good rejection of wind and pop noise. Fits the MD 421 and the MD 441.



MZW 48 F Foam windshield for the e 608.

## GOOSENECK MICROPHONES

Sennheiser's Installed Sound product line consists of three versatile backpolarized condenser microphone heads, which can be combined with various goosenecks, ceiling and table mounts. They are suitable for a wide range of applications, including conferences, public addresses, studios, broadcasts, houses of worship, and television productions.



### ME 36 / MZH 3042 / MZTX 31 PTT

Modular gooseneck microphone in super-cardioid/lobar directivity, streamlined 40 cm gooseneck on a solid table stand.

### MEG 14-40 B

Gooseneck microphone with integrated condenser microphone capsule with cardioid characteristic.

- Connection: XLR 3, Length: 450 mm

### MEG 14-40-L B

Gooseneck microphone with integrated condenser microphone capsule with cardioid characteristic with integrated LED light ring.

- Connection: XLR 5, Length: 450 mm

### ME 34

High sound quality and low equivalent noise level are the features of this cardioid microphone head. The durable, matte black or Nextel® metal housing has a special anti-reflection coating.

- Frequency response: 40–20,000 Hz
- Available in black, white and nextel

### ME 35

Similar to ME 34, however, this microphone has a super-cardioid pick-up pattern for greater rejection of ambient sounds.

- Frequency response: 50–20,000 Hz
- Available in black, white and nextel

### ME 36

The ME 36 microphone head features a super-cardioid/lobar pick-up pattern with excellent directivity and maximum rejection of unwanted sounds. Its superior sound quality and high gain before feedback is matched by a low equivalent noise level. The durable, matte black or Nextel® metal housing has a special anti-reflection coating.

- Frequency response: 40–20,000 Hz
- Available in black, white and nextel

### MZH 3015 / MZH 3015-L

Metal gooseneck for use with the ME 34, 35 and 36 microphone heads. The durable matte black, white or Nextel® grey gooseneck is fitted with a balanced, floating XLR-3 output, enabling the microphone to work with 12–48 V phantom power. Also available as MZH 3015 L in matte black finish with red LED ring and XLR-5 connector.

- Connection: XLR 3 / XLR 5
- Length: 150 mm



## GOOSENECK MICROPHONES

### MZH 3040 / MZH 3040-L

Metal gooseneck for use with ME 34, ME 35 and ME 36 microphone heads. The durable matte black or Nextel® gooseneck is fitted with a balanced, floating XLR-3 output, enabling the microphone to work with from 12–48 V phantom power. Also available as MZH 3040 L in black finish with red LED ring and XLR-5 connector.

- Connection: XLR 3 / XLR 5
- Length: 400 mm

### MZH 3042 / MZH 3042-L

Metal use with gooseneck with two flexible sections for ME 34, ME 35 and ME 36 microphone heads. The durable matte black or Nextel® gooseneck is fitted with a balanced, floating XLR-3 output, enabling the microphone to work with 12–48 V phantom power. Also available as MZH 3042-L in black finish with red LED ring and XLR-5 connector.

- Connection: XLR 3 / XLR 5
- Length: 400 mm

### MZH 3062 / MZH 3062-L

Metal gooseneck with two flexible sections for ME 34, ME 35 and ME 36 microphone heads. The durable matte black or Nextel® gooseneck is fitted with a balanced, floating XLR-3 output, enabling the microphone to be powered from 12–48 V phantom power.

- Connection: XLR 3 / XLR 5
- Length: 600 mm

### MZH 3072 / MZH 3072-L

Metal gooseneck with two flexible sections for ME 34, ME 35 and ME 36 microphone heads. The durable matte black or Nextel® gooseneck is fitted with a balanced, floating XLR-3 output, enabling the microphone to be powered from 12–48 V phantom power.

- Connection: XLR 3 / XLR 5
- Length: 700 mm

### MZFS 60 / MZFS 80

Floor stands for MZH 3015, MZH 3040 and MZH 3042 goosenecks. Available heights: 60 and 80 cm. Available in matte black or Nextel® finish in 60 and 80 cm height. Can be converted to wireless operation using a SKP plug-on transmitter with phantom powering. Available in matte black or Nextel® finish.

### MZS 31

Shock-mount for MZH goosenecks.

### MZC 30

Connecting cable XLR-3M to special coax socket (ME 34, 35, 36) for ceiling-mounting. Available in black and white.

### MZH 30

Metal ceiling mount to adjust mic heads ME 34, 35 and 36. Available in black and white.

### MZTX 31 / MZTX 31 PTT

Table stands with XLR-3 connector. The MZTX 31 PTT is fitted with a microphone button that can be switched between mic on/off and push-to-talk operation. The stands can be converted to wireless operation using a SKP plug-on transmitter that provides phantom powering. It's available in matte black or Nextel® finish.







# YOUR SOUND IS PROFESSIONAL



**DJ AND STUDIO HEADPHONES** Sennheiser's professional, DJ and studio headphones provide effective shielding from all ambient noise and outstanding monitoring characteristics. They are extremely robust and resilient – perfect for clubs and studios.

## DJ & STUDIO HEADPHONES



### HD 201

The entry-level model for a sophisticated sound experience brings out its bass-driven sound through passive attenuation.

- Closed construction
- Frequency response: 21-18,000 Hz
- Max. SPL (at 1 kHz): 108 dB



### HD 203

The HD 203 studio stereo headphones are the ideal partner for home recording. The rugged lightweight headphones have a secure fit that blocks out ambient noise and keeps your music and monitoring cues from leaking out to adjacent microphones or other people. This headphone is versatile enough for use with portable audio devices like MP3 players but also the latest audio interfaces and home recording gear.

- Punchy bass and precise trebles
- Frequency response: 18-18,000 Hz
- Max. SPL (at 1 kHz): 115 dB



### HD 205 II

The HD 205-II provides studio-grade detail and frequency response coupled with brilliant shielding of ambient noise. The rotatable ear cup as well as the single-sided cable make them a professional companion for DJ's and home recording. The HD 205-II comes with a convenient protective pouch and locking 1/4" adapter.

- Rotatable earpiece for DJ use
- Frequency response: 14-20,000 Hz
- Max. SPL (at 1 kHz): 112 dB



### HD 215-II

Enjoy excellent sound: The HD 215-II has both outstanding sound characteristics and excellent attenuation of ambient noise. The rotatable ear cup for one-ear listening and the single-sided coiled cable make them ideal for DJ monitoring. The HD 215-II comes with a convenient protective pouch for storage and transportation.

- Excellent stereo sound
- Outstanding wearing comfort for long listening sessions
- Extremely rugged
- Single-sided coiled cable, detachable
- Comfortable headband and ear pads

### HD 25 1-II

The closed-back HD 25-1 IIs are purpose designed, professional monitoring headphones offering high attenuation of background noise. Capable of handling very high sound pressure levels and of extremely robust construction, these headphones perform exceptionally well in high-noise environments, e.g. ENG, sound reinforcement, studio monitoring and audio equipment testing. The capsule is rotatable for one-ear listening. Ideal monitoring headphones for cameramen and DJs.

- HD25 1-II Dual headband, 1.5m straight cable, right angled jack plug
  - HD25 1-II Basic Edition as HD25 1-II with reduced accessory pack\*
  - HD25 II as HD25 1-II with 2m straight cable, straight jack plug\*
  - HD25 C-II as HD25 1-II with 3m coiled cable, straight jack plug\*
  - HD25SP as HD25 1-II with Single headband, 3m straight cable, straight jack plug\*
- \*Please note that the technical specifications between models do vary.

### HD 25 SP

The HD 25-SP II are closed dynamic headphones for monitoring, recording and outdoor applications. They are a lower-cost alternative to the HD 25 II, featuring a simpler headband and a slightly different capsule design.

### HD 25 C-II

The closed-back HD 25-1 IIs are purpose-designed, professional monitoring headphones offering high attenuation of background noise. Capable of handling very high sound pressure levels and of extremely robust construction, these headphones perform exceptionally well in high-noise environments, e.g. ENG, sound reinforcement, studio monitoring and audio equipment testing. The capsule is rotatable for one-ear listening. Ideal monitoring headphones for cameramen and DJs.

### HD 25 Aluminium

Take Sennheiser's passion for quality and legendary sound experience to the streets with the redefined Amperior headphones with aluminium ear cups. Based on the renowned DJ headphones HD 25, these closed-back, supraaural dynamic headphones deliver not only a balanced audio reproduction, but also, warm mids and deep powerful bass. Equipped with neodymium ferrous magnet systems and lightweight aluminium voice coils, they are capable of handling very high sound pressure levels.



## DJ & STUDIO HEADPHONES



### HD 280 Pro

The HD 280 Pro is Sennheiser's most significant closed, around-the-ear headphone to be introduced in years. Designed to exceed the demands of the professional environment, the HD 280 Pro boasts extremely robust construction combined with the sound quality, modular design and aggressive noise isolation the necessary in the field. The unique collapsible design, combined with swivelling ear cups, offers maximum flexibility in any application.

- True-to-detail linear reproduction
- Frequency response: 8-25,000 Hz
- Max. SPL (at 1 kHz): 102 dB



### HD 280 Silver

The HD 280 silver is a closed-back, circumaural headphone designed for professional monitoring applications. Although suitable for a very wide range of applications, the exceptional 32 dB attenuation of external noise makes the HD 280 silver particularly suitable for use in a high-noise environment.



### HD 280-13

Same as HD280PRO, but with 300 Ohm impedance



### HD 380 Pro

The HD 380 Pro professional monitoring headphone is designed to exceed the demands of the professional environment. The HD 380 Pro provides an extended frequency response with increased sound pressure level (up to 110 dB) for accurate sound reproduction in demanding applications. Not only that, but the lightweight, secure and rugged design offers a comfortable listening experience for long recording sessions.

- With carrying bag
- Frequency response: 8-27,000 Hz
- Max. SPL (at 1 kHz): 110 dB

### HD 407

With their powerful sound and crisp bass, the HD 407 open dynamic hi-fi stereo headphones are an ideal choice for modern music such as rock and pop. The lightweight headphones are the perfect partner for mobile audio sources such as MP3, MiniDisc & CD players and for use with home mini hi-fi systems. When out and about, a convenient cord take-up lets you adjust the headphone cable to the required length.

### HD 439

For a combination of street style and prowess, the HD 439 closed-back stereo headphones are the choice. These headphones offer you the world of audio with a bold and revolutionary design, including a chrome inner lining and black mesh turbines. Delight in an enhanced and outstanding bass performance. Featuring two detachable single-sided cables, you will be able to find the cable length that distinguishes you apart from others. Make a firm statement with the HD 439 and feel the difference.

### IE 4

Earphones for Wireless Monitor applications. The IE 4 reproduces an outstanding sound quality and high dynamic. It is equipped with exchangeable ear sleeves, which gives an optimum fit to different ear canals. The results are high isolation against environmental noise as well as a very good bass response.

### IE 60

With dynamic drivers and powerful neodymium magnets, the IE 60 ear-canal phones deliver not only high-fidelity sound but also, outstanding bass response and noise-isolation. Created in a durable housing with tough cabling, the IE 60 is designed for robustness. Quality construction complete with a protective case, cleaning tool and various ear adaptor sets, the IE 60 redefines your imagination of sound.

### CX 280

For high quality sound while on-the-move, put on the CX 280 ear canal phones. You will enjoy clear and detailed sound, thanks to their high performance dynamic speaker systems. The wide array of ear adapters (S/M/L sizes) allows for a personalised fit as well as excellent passive attenuation of ambient noise.







**Sennheiser Nederland BV**  
Jool Hulstraat 16, 1327 HA Almere  
Tel +31(0)36 53 58 444  
Fax +31(0)36 53 58 499  
E-mail: [info@sennheiser.nl](mailto:info@sennheiser.nl)  
[www.sennheiser.nl](http://www.sennheiser.nl)

**Sennheiser Belux BVBA**  
Doornveld 22, 1731 Asse-Zellik  
Tel +32(0)2 466 44 10  
Fax +32(0)2 466 49 20  
E-mail: [info@sennheiser.be](mailto:info@sennheiser.be)  
[www.sennheiser.be](http://www.sennheiser.be)