

# Above All Others.

1800  
MHz  
Range

For evolution wireless 

 **SENNHEISER**

# Wireless microphone systems for the new 1800 MHz frequency band.

You need to operate wireless microphones and audio systems, and you want to go on the air quickly and without fuss. But that is getting more difficult, because in the typically used lower segments of the UHF range TV transmitters and other users impose more and more limits to your flexibility every year. But Sennheiser has come up with the right answer at the right moment: The new evolution wireless series ew 100 ③-1G8 gives you systems that operate in the new 1800 MHz range exclusively reserved for audio transmissions.

## Foray into the open.

The 1800 MHz frequency range is not only higher than others, it's also officially designated to audio applications in large parts of Europe. Wherever you are, whenever you need it, there will be enough options for you to choose your frequencies. And you can be the first to enjoy this freedom now.


## No borders, no additional costs.

Even better, in many countries you can operate 1800 MHz systems without having to apply and pay for a license. Almost all over Europe, you can use the 1800 MHz range for wireless microphones and other sound applications – an ideal option for rental services operating near borders, for guest gigs in neighbouring countries, and for small tours.

## Easy planning.

As the frequency band from 1785 MHz to 1800 MHz is reserved exclusively for audio transmission, you no longer have to plan your systems around other applications or painstakingly search for gaps between TV channels. Planning a system is easy, no matter whether you are using just one or several microphones.

## Sennheiser has the answer.

For a start, you can choose between nine ew 100 -1G8 entry sets for the 1800 MHz range. Whether you want a handheld wireless microphone, a headset, a lavalier mic or a wireless guitar link, it's all there for you – the perfect choice for any location or application.



Bands and clubs




Rental and event companies



Auditorium/school hall/houses of worship



Hotels and conference centres

**Why 1800 MHz?** Every RF signal, whether for wireless microphones, broadcasts, mobile phones or wireless internet, needs a carrier frequency of its own to transmit without interference. Most countries allocate specific frequency bands to user groups defined in an official frequency distribution plan. In many European countries, microphones have typically used the 470–866 MHz UHF segment; however, newly admitted TV channels, voice and data services are reducing the flexibility in that band. To compensate for this, the 1785–1800 MHz range has been allocated as a harmonized wireless audio band for large parts of Europe. The nine Sennheiser ew 100 -1G8 sets are the first systems operating in this new range.

# Above all others. In almost all of Europe.

The 1800 MHz range is a harmonized frequency band for nearly all of Europe, and approved in the following countries for wireless audio applications:

Austria *	Greece	Norway
Belgium *	Great Britain	Poland *
Bulgaria	Hungary *	Portugal
Croatia	Iceland *	Romania *
Cyprus	Latvia	Russia
Czech Republic	Liechtenstein	Spain *
Denmark	Lithuania	Sweden
Estonia	Luxemburg	Switzerland *
Finland	Malta	Turkey
France	Moldavia	
Germany *	Netherlands *	

\* no license required (usage free of charge)

In the other listed countries, licences are required. In some countries, only a part of the 1800 MHz range is approved. Please consult the state authorities concerned with wireless networks.

This frequency range is not allocated to wireless audio transmission in Italy, Ireland, Northern Ireland, Slovakia and Ukraine.

Status: 3/2011. Subject to alteration.

# 1800 MHz Range



# Innovative. evolution wireless.

In 1999, Sennheiser launched its first generation of evolution wireless systems – products that more than a million users rely on today. Since then Sennheiser's most successful microphone series has been continuously fitted with new innovative features.

Now in its third generation, the series contains user-friendly, state-of-the-art systems that cater to a wide range of applications. Whether used indoors or outside, for vocals, speech or instruments – evolution wireless is ready to meet your challenge.



## Nine starter sets for the new 1800 MHz range

The new ew 100 ③-168 series is just as innovative as its predecessors in the evolution wireless program. Included are the following sets for the new 1800 MHz range.

### Presentation Sets

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

### Head Set

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Rack-mount receiver, bodypack transmitter, headset mic	▪ ew 152	cardioid mic
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### Instrument Set

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Rack-mount receiver, bodypack transmitter, instrument cable	▪ ew 172	
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### Vocal Sets

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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

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Rack-mount receiver	▪ EM 100
Handheld transmitter	▪ SKM 100
Bodypack receiver	▪ SK 100

### Technical specifications

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



 **SENNHEISER**

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