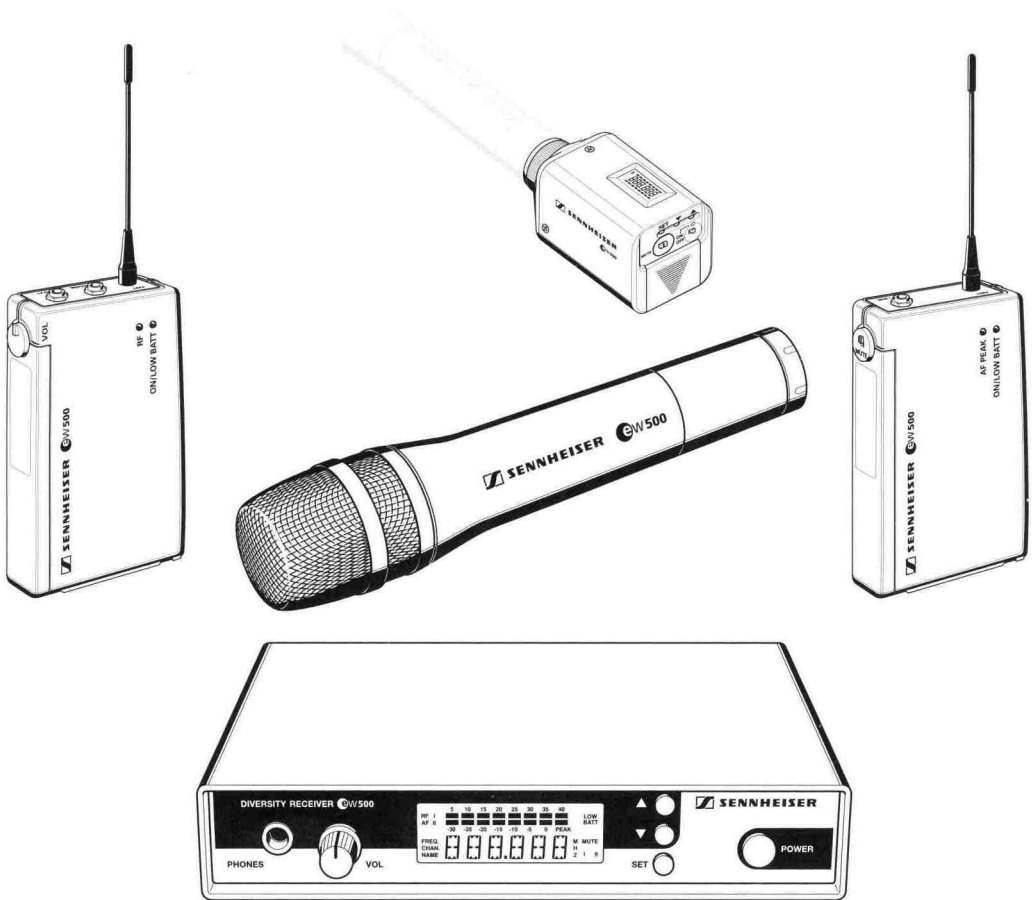


INSTRUCTION MANUAL

# evolution wireless Series

## ew 500



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Thank you for choosing Sennheiser!

We have designed these products to give you reliable operation over many years.

Please take a few moments to read these instructions carefully, as we want you to enjoy your new Sennheiser products quickly and to the full.

## 2 Short description

With the evolution wireless Series ew 500, Sennheiser offers musicians, video and sound amateurs, reporters and private broadcasters high quality state of the art RF transmission systems with a high level of operational reliability and ease of use. Transmitters and receivers permit wireless transmission with studio quality sound. Due to further optimised PLL and microprocessor technology, the **HDX** noise reduction system and true diversity technology (excluding pocket receivers), these transmission systems ensure interference free transmission and minimise dropouts in the RF link.

The systems can be supplied in five frequency ranges within the UHF band. Please note: Frequency usage is different for each country. Your Sennheiser agent will have all the necessary details on the available legal frequencies for your area.

Range A	518-550 MHz,
Range B	630 - 662 MHz,
Range C	740 - 772 MHz,
Range D	790 - 822 MHz,
Range E	838 - 870 MHz

ew 500 transmitters and receivers each have 16 frequency memories to store your selection out of 1280 transmission/receiving frequencies which are freely selectable within the preset frequency range.

Each system has 16 factory preprogrammed frequency memories, so that

- the systems are ready for immediate use after switch on,
- several systems can be operated simultaneously on the factory preset transmission and receiving frequencies without causing intermodulation interference. However, all frequency settings can be changed to your individual needs, if required.

Each system consists of

- a receiver (mains or pocket)
- a hand held/pocket/plug on transmitter and
- comes complete with all necessary accessories

## 3 Important notes

Never open electronic devices! This must only be done by authorised personnel and is all the more important for units connected to AC outlets. If devices are opened by customers in breach of this instruction, the warranty is voided.

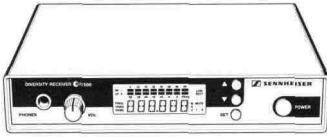
Always disconnect the devices from the mains by removing the plug when you wish to change connections or move the devices to a different place.

Keep the devices away from central heating radiators and electric heaters. Never expose them to direct sunlight.

Use the devices in dry rooms only.

Use a damp cloth for cleaning the devices. Do not use any cleansing agents or solvents.

## 4 System variants



### Set 501

This is a versatile system suitable for many applications. The plug-on transmitter converts a standard wired microphone into a radiomicrophone. The transmitter includes a switch for 48 V phantom powering for use with phantom powered condenser microphones - thus eliminating battery power packs as well as the cable.

Set ew 501 consists of: EM 500 receiver, SKP 500 plug-on transmitter, plug-



### Set501-p

Having the same transmitter as the Set ew 501, this system replaces the mains receiver with a pocket receiver for mobile, monitoring or camera-mounted applications.

Set ew 501-p consists of: EK 500 pocket receiver, SKP 500 plug-on transmitter, two batteries, antennas, line output cable, camera kit and operating manual.

### Set ew 512

This system is ideal for theatre and presentation use. The unobtrusive clip-on microphone is virtually invisible, and its omni-directional pattern minimises drop-outs caused by the speaker turning his/her head.

Set ew 512 consists of: EM 500 receiver, SK 500 pocket transmitter, ME 2 miniature clip-on omni-directional condenser microphone, plug-in mains unit, battery, antennas and operating manual.



### Set512-D

Having the same transmitter as the Set ew 512, this system replaces the mains receiver with a pocket receiver for mobile, monitoring or camera-mounted applications.

Set ew 512-p consists of: EK 500 pocket receiver, SK 500 pocket transmitter, ME 2 miniature clip-on omni-directional condenser microphone, two batteries, antennas, line output cable, camera kit and operating manual.

### Set 522

This system is ideal for presentation and PA applications in acoustically difficult rooms. The unobtrusive cardioid clip-on microphone can be directed towards the speaker's mouth.

Set ew 522 consists of: EM 500 receiver, SK 500 pocket transmitter, ME 4 miniature clip-on cardioid condenser microphone, plug-in mains unit, battery, antennas and operating manual.

SK500



SKP 500

### Set 522-p

Having the same transmitter as the Set ew 522, this system replaces the mains receiver with a pocket receiver for mobile, monitoring or camera-mounted applications.

Set ew 522-p consists of: EK 500 pocket receiver, SK 500 pocket transmitter, ME 4 miniature clip-on cardioid condenser microphone, two batteries, antennas, line output cable, camera kit and operating manual.



SKM 500

## Set ew 535

This system is ideal for vocal applications.

Set ew 535 consists of: EM 500 receiver, SKM 500 hand-held transmitter with MD 835 cardioid dynamic microphone module, plug-in mains unit, battery, antennas, microphone clamp and operating manual.

## Set ew 535-p

Having the same transmitter as the Set ew 535, this system replaces the mains receiver with a pocket receiver for mobile, monitoring or camera-mounted applications.

Set ew 535-p consists of: EK 500 pocket receiver, SKM 500 hand-held transmitter with MD 835 cardioid dynamic microphone module, two batteries, antennas, line output cable, camera kit, microphone clamp and operating manual.



ME 2 omni-directional clip-on microphone with microphone clip

## Set ew 545

This system is ideal for vocal applications in venues with high ambient noise levels. The super-cardioid dynamic microphone head has excellent feedback rejection.

Set ew 545 consists of: EM 500 receiver, SKM 500 hand-held transmitter with MD 845 super-cardioid dynamic microphone module, plug-in mains unit, battery, antennas, microphone clamp and operating manual.

## Set ew 545-p

Having the same transmitter as the Set ew 545, this system replaces the mains receiver with a pocket receiver for mobile, monitoring or camera-mounted applications.

Set ew 545-p consists of: EK 500 pocket receiver, SKM 500 hand-held transmitter with MD 845 super-cardioid dynamic microphone module, two batteries, antennas, line output cable, camera kit, microphone clamp and operating manual.



ME 4 cardioid clip-on microphone with microphone clip

## Set ew 552

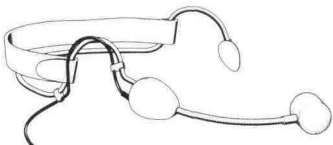
This system is ideal for hands-free vocal applications. Supplied complete with the ME 3 headmic (which has superb feedback rejection), this system gives complete freedom of expression to stage vocalists as well as proving a boon to sports commentators/referees and aerobic instructors.

Set ew 552 consists of: EM 500 receiver, SK 500 pocket transmitter, ME 3 condenser super-cardioid headmic, plug-in mains unit, battery, antennas and operating manual.

## Set ew 552-p

Having the same transmitter as the Set ew 552, this system replaces the mains receiver with a pocket receiver for mobile, monitoring or camera-mounted applications.

Set ew 552-p consists of: EK 500 pocket receiver, SK 500 pocket transmitter, ME 3 condenser super-cardioid headmic, two batteries, antennas, line output cable, camera kit and operating manual.



ME 3 headmic

## Set ew 565

This system, due to its excellent feedback rejection and wide dynamic range, is the ideal choice for vocals and presentations

Set ew 565 consists of EM 500 receiver, SKM 500 hand held transmitter with ME 865 super cardioid condenser microphone module, plug in mains unit, battery, antennas, microphone clamp and operating manual

## Set ew 565-p

Having the same transmitter as the Set ew 565, this system replaces the mains receiver with a pocket receiver for mobile, monitoring or camera mounted applications

Set ew 565 p consists of EK 500 pocket receiver, SKM 500 hand held transmitter with ME 865 super cardioid condenser microphone module, two batteries, antennas, line output cable, camera kit, microphone clamp and operating manual

## Set ew 572

This system is for connecting musical instruments (e.g. guitar) which have a  $\frac{1}{4}$ " (6.3 mm) jack socket directly to the pocket transmitter

Set ew 572 consists of EM 500 receiver, SK 500 pocket transmitter, CI 1 instrument (guitar) cable, plug in mains unit, battery, antennas and operating manual

## Set ew 572-p

Having the same transmitter as the Set ew 572, this system replaces the mains receiver with a pocket receiver for mobile, monitoring or camera mounted applications

Set ew 572 p consists of EK 500 pocket receiver, SK 500 pocket transmitter, CI 1 instrument (guitar) cable, two batteries, antennas, line output cable, camera kit and operating manual