

# Specifications

## WX-SA250P

<b>Wireless</b>	Frequency used	1920 MHz to 1930 MHz
	Antenna	Internal antenna
<b>Power source</b>	Connector	RJ45
	Compatible cables	CAT5 / CAT5e / CAT6 straight cable
	Power source	Receiver WX-SR202P
<b>Antenna field selection</b>	Three-step switching (set at receiver (WX-SR202P), operation support software of PC connected to receiver)	
<b>Display (indicator)</b>	Power	
<b>Operating ambient temperature</b>	-10 °C to +50 °C (14 °F to +122 °F)	
<b>Dimensions</b>	Approx. 185 mm (W) x 160 mm (H) x 32 mm (D) {7-9/32 inches (W), 6-19/64 inches (H), 1-17/64 inches (D)}	
<b>Weight</b>	Approx. 400 g (0.88 lbs)	
<b>Finish</b>	Sail white (color approximate to Munsell N9.3)	
<b>Installation</b>	Ceiling, Wall, Microphone stand	
<b>Waterproof performance</b>	IPX4 equivalent	

## WX-SR202P

<b>Power source</b>	AC120 V 60 Hz	
<b>Power consumption</b>	39 W	
<b>Channel output</b>	No. of circuits	2
	Connector	Euroblock
	Output characteristics	-10 dBV balanced 600 Ω
	S/N	70 dB or greater
	Frequency response	50 Hz to 15 kHz
<b>Audio input</b>	Distortion	3% or less
	Connector	Euroblock
	Input characteristics	-10 dBV balanced 600 Ω
<b>Mixing output</b>	Frequency response	50 Hz to 15 kHz
	Distortion	3% or less
	Connector	Euroblock
<b>Antenna connection</b>	Output characteristics	-10 dBV balanced 600 Ω
	S/N	64 dB or greater
	Frequency response	50 Hz to 15 kHz
	Distortion	3% or less
	Connector	RJ45
<b>Indicator (display)</b>	Compatible cables	CAT5 / CAT5e / CAT6 straight cable
	Wiring distance	Up to 200 m(656 feet)
<b>Operating ambient temperature</b>	Common	Power, Antenna 1 to 8, Sync, Main, Remote
	Per channel	RF level (5-level display), Audio level/mute, Microphone battery, Register
<b>Finish</b>	Black coating (approximate to Munsell N1)	
<b>Dimensions</b>	420 mm(W), 44 mm(H), 250 mm(D) {16-17/32 inches (W), 1-47/64 inches (H), 9-27/32 inches (D)} (excluding rubber feet, levers, etc.)	
<b>Weight</b>	Approx. 2.8 kg (6.17 lbs)	

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- All other trademarks identified herein are the property of their respective owners.

**Important**

- Safety Precaution : Carefully read the Important Information, Installation Guide and operating instructions before using this product.  
- Panasonic cannot be responsible for the performance of the network and/or other manufacturers' products used on the network.

• Masses and dimensions are approximate. • Specifications are subject to change without notice.

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## WX-ST200P

<b>Wireless</b>	Frequency used	1920 MHz to 1930 MHz
	Antenna	Internal antenna
<b>Microphone used</b>	Unidirectional electret condenser microphone	
<b>Frequency response</b>	100 Hz to 15 kHz	
<b>Low cut filter</b>	200 Hz, 6 dB/oct	
<b>Device interface</b>	Connector terminal for external input	Three-contact 3.5 mm jack (Monaural mixing) (1) Stereo L (2) Stereo R (3) GND
	<b>Batteries type</b>	
	Rechargeable: AA Ni-MH battery x 1 Dry cell: AA alkaline battery x 1	
<b>Battery runtime</b>	Approx. 8 hours (AA Ni-MH battery BK-3MCCA) Approx. 6 hours (AA alkaline battery LR6PA)	
<b>Display (indicator)</b>	Power, Charge	
<b>Operating ambient temperature</b>	5 °C to 35 °C (41°F to +95 °F)	
<b>Dimensions</b>	Maximum diameter ø48 mm, Length 222 mm {ø1-57/64 inches, 8-47/64 inches}	
<b>Weight</b>	Approx. 180 g (0.40 lbs) (including battery)	
<b>Finish</b>	Black coating (approximate to Munsell N1)	

## WX-ST400P

<b>Wireless</b>	Frequency used	1920 MHz to 1930 MHz
	Antenna	Internal antenna
<b>Microphone used</b>	Unidirectional electret condenser microphone	
<b>Frequency response</b>	100 Hz to 15 kHz	
<b>Device interface</b>	Connector terminal for microphone input	Two-contact 2.5 mm jack (1) Signal (Bias DC 2.5 V) (2) GND
	Connector terminal for external input	Three-contact 3.5 mm jack (Monaural mixing) (1) Stereo L (2) Stereo R (3) GND
<b>Batteries type</b>	Rechargeable: AA Ni-MH battery x 1 Dry cell: AA alkaline battery x 1	
<b>Battery runtime</b>	Approx. 8 hours (AA Ni-MH battery BK-3MCCA) Approx. 6 hours (AA alkaline battery LR6PA)	
<b>Display (indicator)</b>	Power, Charge	
<b>Operating ambient temperature</b>	5 °C to 35 °C (41 °F to +95 °F)	
<b>Dimensions</b>	Main unit	60 mm(W)x 97 mm(H) x 20 mm(D) {2-23/64 inches (W), 3-13/16 inches (H), 25/32 inches (D)}
	Microphone part	Maximum diameter 13 mm(33/64 inches), Length 22 mm(55/64 inches), Cable length between microphone and main unit 1000 mm(3 feet 3-3/8 inches)
<b>Weight</b>	Main unit	Approx. 95 g (0.21 lbs) (including battery)
	Microphone part	Approx. 20 g (0.04 lbs)
<b>Finish</b>	Black coating (approximate to Munsell N1)	

## WX-SZ200P

<b>Power source</b>	AC 120 V 60 Hz (AC adaptor for accessories (DC12 V) used)	
<b>Power consumption</b>	Up to 5 W	
<b>Number of charge ports</b>	2	
<b>Charging time</b>	Approx. 6 hours (at ambient temperature of 25 °C(77 °F), using AA Ni-MH battery BK-3MCCA)	
<b>Indicator (display)</b>	Power, Charging error (per charge port)	
<b>Operating ambient temperature</b>	5 °C to 35 °C (41 °F to +95 °F)	
<b>Dimensions</b>	Main unit	200 mm(W), 90 mm(H), 106 mm(D) {7-7/8 inches (W), 3-35/64 inches (H), 4-11/64 inches (D)} (excluding protrusions)
	AC adaptor	110.5 mm(W), 32.2 mm(H), 52.5 mm(D) {4-11/32 inches (W), 1-17/64 inches (H), 2-1/16 inches (D)} (excluding DC cable and power cord)
<b>Weight</b>	Main unit	Approx. 450 g (0.99lbs) (excluding AC adaptor and power cord)
	AC adaptor	Approx. 166 g (0.37 lbs) (excluding power cord)
<b>Finish</b>	Main unit: Black coating (approximate to Munsell N1)	

# Panasonic BUSINESS

## 1.9GHz digital wireless microphone system

**Clear and uninterrupted sound**  
**Stable digital communications with high sound quality**

**Perfect for school Auditoriums and lecture halls, company conference rooms, etc.**



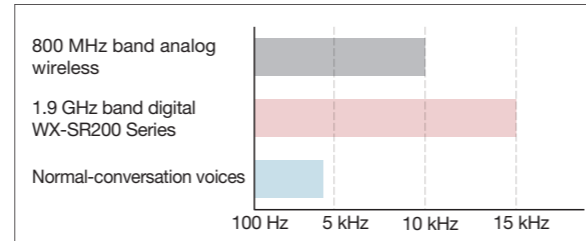
This series has the system expandability to handle spaces from small to large with high sound quality, and connection of up to 8 antennas.

These new products further strengthen Panasonic's product line for commercial-use sound systems, thereby enabling us to support the increasingly diversified range of customer requirements.

## Key characteristics

### 1. Clear sound achieved with a wide frequency band and noise suppression technology

- Using high-compression-ratio voice codec, this system achieves a wide frequency band of 100 Hz to 15 kHz. Newly developed noise suppression technology makes clear voice reproduction possible. In addition, the WX-ST200P wireless microphone has an internal low cut filter switch so it is possible to enhance speech sound clarity by attenuating low frequencies.



### 2. Large spaces handled with connection of up to 8 antennas

- The inclusion of a handover function\*1 as a wireless microphone conforming to the 1.9 GHz band DECT\*2 standard means it is possible to expand the communication area by installing multiple wireless antennas. Up to 8 antennas can be connected, giving this system the expandability to support not only small spaces but also large spaces such as gymnasiums and auditoriums.

### 3. High level of privacy and confidentiality secured with pairing registration

- For wireless receivers and microphones, pairing registration can be easily done with just button operations on the devices being paired. Since transmissions are only possible between pair-registered wireless receivers and microphones, there are no worries of inter-system interference and eavesdropping, unlike 800 MHz band analog communication systems.

### 4. Stable operation realized with a diverse range of functions.

- Stable communication achieved with an automatic interference avoidance function and diversity reception
  - DECT\*2 conformity has made public address amplification without interference possible through the use of an automatic interference avoidance function that continuously monitors channel usage status and selects safe channels.
  - The wireless antenna (WX-SA250P) performs diversity reception with multiple internal antennas. In addition, when multiple wireless antennas are installed, sound with good reception status is selected by the handover function\*1. There are also two antennas installed in the microphone so stable transmissions are possible without impact from the position in which the microphone is held.
- Battery trouble avoided through the use of size AA batteries and wireless charging
  - For the microphone battery, a commercially available size AA nickel-hydrogen battery\*3 (1 battery) can be used and charging can be done with the rechargeable battery still in the microphone. In addition, a size AA alkaline battery (1 battery) can also be used so you have an emergency backup if you forget to recharge.
  - The recharger is the wireless (non-contact) type so you get reliable operation without contact problems caused by dust, chalk powder, soiling, etc.

\*1: The act of switching transmission antennas while moving.

\*2: DECT: The acronym for Digital Enhanced Cordless Telecommunications.

\*3: Recommend battery: Panasonic size AA nickel-hydrogen battery (Eneloop) product number BK-3MCC.

## PRODUCTS LINE UP

### Microphone

#### Hand-held Type WX-ST200P

- < 1 AA battery included >
- < Microphone adaptor included >
- < 4 colored microphone rings included >

- External input function (connection to PC, music player, etc.)
- Operation time approx. 8 hours with AA Ni-MH battery BK-3MCC or AA alkaline battery LR6NJ and approx. 6 hours with AA alkaline battery LR6XJ
- Includes microphone rings in 4 colors



### Receiver

#### WX-SR202P

< Rack mount fittings included >

- 2-channel tuner as standard equipment
- Can connect up to 8 WX-SA250P units



### Microphone

#### Lavalier Type WX-ST400P

- < 1 AA battery included >
- External input function (connection to PC, music player, etc.)
- Operation time approx. 8 hours with AA Ni-MH battery BK-3MCC or AA alkaline battery LR6NJ and approx. 6 hours with AA alkaline battery LR6XJ



### Antenna

#### WX-SA250P

- Diversity reception system
- Ceiling/wall installation. Can also be mounted on microphone stand (mounting screws PF1/2 or W3/8).
- IPX4 (JIS C 0920 conformity/splash-proof type)



\*IPX4: Resistant to water splashes from any direction.

### Charger

#### WX-SZ200P

- WX-ST200P and WX-ST400P dedicated charger
- Non-contact type
- Charges 2 microphones simultaneously
- Full charge in approx. 6 hours (when using AA Ni-MH battery BK-3MCC)

