

Specifications

WX-SA250P

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

WX-SR202P

Power source	AC120 V 60 Hz	
Power consumption	39 W	
Channel output	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
Audio input	Distortion	3% or less
	Connector	Euroblock
	Input characteristics	-10 dBV balanced 600 Ω
Mixing output	Frequency response	50 Hz to 15 kHz
	Distortion	3% or less
	Connector	Euroblock
Antenna connection	Output characteristics	-10 dBV balanced 600 Ω
	S/N	64 dB or greater
	Frequency response	50 Hz to 15 kHz
	Distortion	3% or less
	No. of connectors	8
Indicator (display)	Connector	RJ45
	Compatible cables	CAT5 / CAT5e / CAT6 straight cable
Operating ambient temperature	Wiring distance	Up to 200 m{656 feet}
	Common	Power, Antenna 1 to 8, Sync, Main, Remote
Finish	Per channel	RF level (5-level display), Audio level/mute, Microphone battery, Register
	Dimensions	0 °C to 45 °C (32 °F to +113 °F)
Weight	Black coating (approximate to Munsell N1)	
	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.)	

WX-ST200P

Wireless	Frequency used	1920 MHz to 1930 MHz
	Antenna	Internal antenna
Microphone used	Unidirectional electret condenser microphone	
Frequency response	100 Hz to 15 kHz	
Low cut filter	200 Hz, 6 dB/oct	
Device interface	Connector terminal for external input	Three-contact 3.5 mm jack (Monaural mixing) (1) Stereo L (2) Stereo R (3) GND
	Batteries type	Rechargeable: AA Ni-MH battery x 1 Dry cell: AA alkaline battery x 1
	Battery runtime In continuous use at 25 °C(77 °F) Using Panasonic batteries	Approx. 8 hours (AA Ni-MH battery BK-3MCCA) Approx. 6 hours (AA alkaline battery LR6PA)
Display (indicator)	Power, Charge	
Operating ambient temperature	5 °C to 35 °C (41°F to +95 °F)	
Dimensions	Maximum diameter ø48 mm, Length 222 mm {ø1-57/64 inches, 8-47/64 inches}	
Weight	Approx. 180 g {0.40 lbs} (including battery)	
Finish	Black coating (approximate to Munsell N1)	

WX-ST400P

Wireless	Frequency used	1920 MHz to 1930 MHz
	Antenna	Internal antenna
Microphone used	Unidirectional electret condenser microphone	
Frequency response	100 Hz to 15 kHz	
Device interface	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
Batteries type	Rechargeable: AA Ni-MH battery x 1 Dry cell: AA alkaline battery x 1	
Battery runtime In continuous use at 25 °C(77 °F) Using Panasonic batteries	Approx. 8 hours (AA Ni-MH battery BK-3MCCA) Approx. 6 hours (AA alkaline battery LR6PA)	
Display (indicator)	Power, Charge	
Operating ambient temperature	5 °C to 35 °C (41 °F to +95 °F)	
Dimensions	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}
Weight	Main unit	Approx. 95 g {0.21 lbs} (including battery)
	Microphone part	Approx. 20 g {0.04 lbs}
Finish	Black coating (approximate to Munsell N1)	

WX-SZ200P

Power source	AC 120 V 60 Hz (AC adaptor for accessories (DC12 V) used)	
Power consumption	Up to 5 W	
Number of charge ports	2	
Charging time	Approx. 6 hours (at ambient temperature of 25 °C(77 °F), using AA Ni-MH battery BK-3MCCA)	
Indicator (display)	Power, Charging error (per charge port)	
Operating ambient temperature	5 °C to 35 °C (41 °F to +95 °F)	
Dimensions	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)
Weight	Main unit	Approx. 450 g {0.99lbs} (excluding AC adaptor and power cord)
	AC adaptor	Approx. 166 g {0.37 lbs} (excluding power cord)
Finish	Main unit Black coating (approximate to Munsell N1)	

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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.

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.



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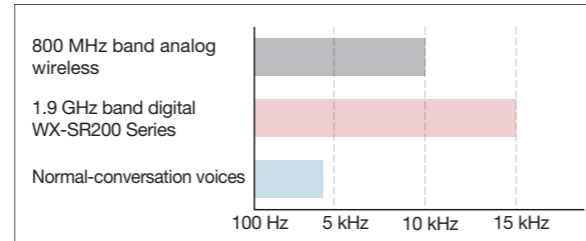
This series has the system expandability to handle spaces from small to large with high sound quality, and connection of up to 8 antennas.

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)

