Specifications

**WX-SA250P**

- **Wireless**
  - Frequency used: 1870 MHz to 1990 MHz
- **Power source**
  - Nicad battery (AA Ni-MH battery BK-3MCCA)
- **Frequency response**
  - 200 Hz, 6 dB/oct
- **Microphone**
  - Unidirectional electret condenser microphone
- **Antenna**
  - Internal antenna
- **Frequency used**
  - 1920 MHz to 1930 MHz
- **Channels**
  - Up to 200 (per channel)
- **Compatible cables**
  - CAT5 / CAT5e / CAT6 straight cable
- **Connector**
  - RJ45
- **No. of circuits**
  - 8
- **Distortion**
  - 3% or less
- **Frequency response**
  - 50 Hz to 15 kHz
- **Input characteristics**
  - Balanced 600 Ω
- **Output characteristics**
  - Balanced 600 Ω
- **Power consumption**
  - 39 W
- **Power source**
  - AC 120 V 60 Hz
- **Waterproof performance**
  - IPX4 equivalent
- **Installation**
  - Ceiling, Wall, Microphone stand
- **Weight**
  - Approx. 20 g (0.04 lbs)
- **Dimensions**
  - 60 mm(W) x 97 mm(H) x 20 mm(D)
- **Operational ambient temperature**
  - 5 °C to 35 °C (41 °F to +95 °F)

**WX-ST200P**

- **Wireless**
  - Frequency used: 1870 MHz to 1990 MHz
- **Power source**
  - Rechargeable: AA Ni-MH battery x 1
  - Dry cell: AA alkaline battery (LR6PAA)
- **Frequency response**
  - 100 Hz to 15 kHz
- **Microphone**
  - Unidirectional electret condenser microphone
- **Frequency used**
  - 1920 MHz to 1930 MHz
- **Channels**
  - Up to 200 per channel
- **Compatible cables**
  - CAT5 / CAT5e / CAT6 straight cable
- **Connector**
  - RJ45
- **No. of circuits**
  - 8
- **Distortion**
  - 3% or less
- **Frequency response**
  - 50 Hz to 15 kHz
- **Input characteristics**
  - Balanced 600 Ω
- **Output characteristics**
  - Balanced 600 Ω
- **Power consumption**
  - 39 W
- **Power source**
  - AC 120 V 60 Hz
- **Waterproof performance**
  - IPX4 equivalent
- **Installation**
  - Ceiling, Wall, Microphone stand
- **Weight**
  - Approx. 180 g (0.40 lbs)
- **Dimensions**
  - Ø1-57/64 inches, 8-47/64 inches
- **Operational ambient temperature**
  - 5 °C to 35 °C (41 °F to +95 °F)

**WX-ST400P**

- **Wireless**
  - Frequency used: 1870 MHz to 1990 MHz
- **Power source**
  - Rechargeable: AA Ni-MH battery x 1
  - Dry cell: AA alkaline battery (LR6PAA)
- **Frequency response**
  - 100 Hz to 15 kHz
- **Microphone**
  - Unidirectional electret condenser microphone
- **Frequency used**
  - 1920 MHz to 1930 MHz
- **Channels**
  - Up to 200 per channel
- **Compatible cables**
  - CAT5 / CAT5e / CAT6 straight cable
- **Connector**
  - RJ45
- **No. of circuits**
  - 8
- **Distortion**
  - 3% or less
- **Frequency response**
  - 50 Hz to 15 kHz
- **Input characteristics**
  - Balanced 600 Ω
- **Output characteristics**
  - Balanced 600 Ω
- **Power consumption**
  - 39 W
- **Power source**
  - AC 120 V 60 Hz
- **Waterproof performance**
  - IPX4 equivalent
- **Installation**
  - Ceiling, Wall, Microphone stand
- **Weight**
  - Approx. 20 g (0.04 lbs)
- **Dimensions**
  - 60 mm(W) x 97 mm(H) x 20 mm(D)
- **Operational ambient temperature**
  - 5 °C to 35 °C (41 °F to +95 °F)

**WX-SZ200P**

- **Wireless**
  - Frequency used: 1870 MHz to 1990 MHz
- **Power source**
  - Rechargeable: AA Ni-MH battery x 1
  - Dry cell: AA alkaline battery (LR6PAA)
- **Frequency response**
  - 100 Hz to 15 kHz
- **Microphone**
  - Unidirectional electret condenser microphone
- **Frequency used**
  - 1920 MHz to 1930 MHz
- **Channels**
  - Up to 200 per channel
- **Compatible cables**
  - CAT5 / CAT5e / CAT6 straight cable
- **Connector**
  - RJ45
- **No. of circuits**
  - 8
- **Distortion**
  - 3% or less
- **Frequency response**
  - 50 Hz to 15 kHz
- **Input characteristics**
  - Balanced 600 Ω
- **Output characteristics**
  - Balanced 600 Ω
- **Power consumption**
  - 39 W
- **Power source**
  - AC 120 V 60 Hz
- **Waterproof performance**
  - IPX4 equivalent
- **Installation**
  - Ceiling, Wall, Microphone stand
- **Weight**
  - Approx. 180 g (0.40 lbs)
- **Dimensions**
  - Ø1-57/64 inches, 8-47/64 inches
- **Operational ambient temperature**
  - 5 °C to 35 °C (41 °F to +95 °F)
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 as a wireless microphone conforming to the 1.9 GHz band DECT 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 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. 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 (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 charger 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: Recommended battery: Panasonic size AA nickel-hydrogen battery (Eneloop) product number BK-3MCC.