Key Features

- One 5.8 GHz true diversity receiver modules with 10 auto-scannable frequencies. One-touch Scan & Sync (ACT) button for fast and easy channel setup.
- 50W Class-D amplifier to power a 5" full-range driver.
- Built-in high-efficiency active antennas prevent accidental antenna breakage and ensure improved reception distance and stable signal quality.
- The mixed output of wired mic, wireless mic and USB.
- 3.5 mm line input accepts external iPod, MP3/CD/DVD player or laptop.
- Built-in Bluetooth to connect mobile devices for music streaming.
- Built-in one-button fade-in alarm siren for warning.
- ID code setting to prevent the interference from the same operating channel and increase compatible channels at the same venue.
- External AC switching power supply for fast battery charge. Built-in high capacity lithium battery
 provides the amplifier complete operation without AC power.
- 4-hour full charge for 10-hour stand-by time.
- A 4-level battery indicator for monitoring the battery level and charging state.

Transmitters & Microphones

| ACT-24H | Handheld Transmitter |
|----------|-----------------------------------|
| ACT-24HC | Rechargeable Handheld Transmitter |
| ACT-24T | Bodypack Transmitter |
| ACT-24TC | Rechargeable Bodypack Transmitter |
| MM-107 | Supercardioid Dynamic Microphone |

Accessories

| MB-10 | Lithium-ion Rechargeable Battery (14.8 V / 2.6 AH) |
|-----------|--|
| SC-30 | Storage and Carry Bag |
| MS-30 | Tripod Microphone Stand |
| MA-303AXP | Active Extension Speaker |
| MS-90 | Wall-Mounting Bracket |

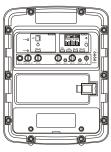
Technical Specifications

| Max. Power Output 60 Watts Amplifier Class D Sensitivity Typical: 92 dB Maximum: 102 dB T.H.D. < 1% Frequency Response 20 Hz − 20 kHz Speaker 1" Tweeter & 5" Woofer Coverage H 120° × V 70° Audio Inputs Wired: 6.3 mm (1/8") Bluetooth Connectivity N/A Audio Output 3.5 mm (1/8") Alarm Siren Siren sound with fade-in mode Installation Microphone stand, table mounted. AC: External 100 − 240 V AC switching power supply (Max. Power Consumption: 60 W) DC & Battery: 14.8V / 2.6AH rechargeable lithium-ion battery (MB-10 × 1) Charge Time 4 hours (automatic charging management) Standby Time > 11 hours Battery Indicator 4-level indicator (25/50/75/100%) Color Black or white option Dimensions (W*H*D) 210 × 276 × 165 mm / 8.3 × 11 × 6.5 " Weight Approx. 2.7 kg / 6 lbs., battery included Wireless System Receiver Channel Single Frequency Range 2,400 − 2,483.5 MHz Preset Channe | | Portable PA |
|---|------------------------|--|
| Amplifier Class D Sensitivity Typical: 92 dB Maximum: 102 dB T.H.D. < 1% | Max. Power Output | |
| T.H.D. < 1% | | Class D |
| Frequency Response | Sensitivity | Typical: 92 dB Maximum: 102 dB |
| Speaker | | 71 |
| Speaker 1" Tweeter & 5" Woofer Coverage H 120° × V 70° Audio Inputs Wired: 6.3 mm (1/4") | Frequency Response | 20 Hz – 20 kHz |
| Audio Inputs Wired: 6.3 mm (1/4") Line-In: 3.5 mm (1/8") Bluetooth Connectivity N/A Audio Output 3.5 mm (1/8") Alarm Siren Siren Sound with fade-in mode Installation Microphone stand, table mounted. AC: External 100 – 240 V AC switching power supply (Max. Power Consumption: 60 W) DC & Battery: 14.8 V / 2.6AH rechargeable lithium-ion battery (MB-10 × 1) Charge Time 4 hours (automatic charging management) Standby Time > 11 hours Battery Indicator 4-level indicator (25/50/75/100%) Color Black or white option Dimensions (W×H×D) 210 × 276 × 165 mm / 8.3 × 11 × 6.5 " Weight Approx. 2.7 kg / 6 lbs , battery included Wireless System Receiver Channel Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency 4.0 ms Anteina Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record USB Play & Record | | 1" Tweeter & 5" Woofer |
| Audio Inputs Line-In: 3.5 mm (1/8") Bluetooth Connectivity Audio Output 3.5 mm (1/8") Alarm Siren Siren sound with fade-in mode Installation Microphone stand, table mounted. AC: External 100 – 240 V AC switching power supply (Max. Power Consumption: 60 W) DC & Battery: 14.8V / 2.6AH rechargeable lithium-ion battery (MB-10 × 1) Charge Time 4 hours (automatic charging management) Standby Time Pattery Indicator 4-level indicator (25/50/75/100%) Color Black or white option Dimensions (W×H×D) 210 × 276 × 165 mm / 8.3 × 11 × 6.5 " Weight Approx. 2.7 kg / 6 lbs , battery included Wireless System Receiver Channel Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record | Coverage | H 120° × V 70° |
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| Audio Output 3.5 mm (1/8") Alarm Siren Siren sound with fade-in mode Installation Microphone stand, table mounted. AC: External 100 – 240 V AC switching power supply (Max. Power Consumption: 60 W) DC & Battery: 14.8V / 2.6AH rechargeable lithium-ion battery (MB-10 × 1) Charge Time 4 hours (automatic charging management) Standby Time > 11 hours Battery Indicator 4-level indicator (25/50/75/100%) Color Black or white option Dimensions (W×H×D) 210 × 276 × 185 mm / 8.3 × 11 × 6.5 " Weight Approx. 2.7 kg / 6 lbs , battery included Wireless System Receiver Channel Single Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record | Audio inputs | Line-In: 3.5 mm (1/8") |
| Alarm Siren Siren sound with fade-in mode Installation Microphone stand, table mounted. AC: External 100 – 240 V AC switching power supply (Max. Power Consumption: 60 W) DC & Battery: 14.8V / 2.6AH rechargeable lithium-ion battery (MB-10 × 1) Charge Time 4 hours (automatic charging management) Standby Time > 11 hours Battery Indicator 4-level indicator (25/50/75/100%) Color Black or white option Dimensions (W×H×D) 210 × 276 × 165 mm / 8.3 × 11 × 6.5 " Weight Approx. 2.7 kg / 6 lbs , battery included Wireless System Receiver Channel Single Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Bluetooth Connectivity | N/A |
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| AC: External 100 – 240 V AC switching power supply (Max. Power Consumption: 60 W) DC & Battery: 14.8V / 2.6AH rechargeable lithium-ion battery (MB-10 × 1) Charge Time 4 hours (automatic charging management) Standby Time > 11 hours Battery Indicator 4-level indicator (25/50/75/100%) Color Black or white option Dimensions (W×H×D) 210 × 276 × 165 mm / 8.3 × 11 × 6.5 " Weight Approx. 2.7 kg / 6 lbs , battery included Wireless System Receiver Channel Single Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record | Alarm Siren | Siren sound with fade-in mode |
| Power Supply Consumption: 60 W) DC & Battery: 14.8V / 2.6AH rechargeable lithium-ion battery (MB-10 × 1) Charge Time 4 hours (automatic charging management) Standby Time > 11 hours Battery Indicator 4-level indicator (25/50/75/100%) Color Black or white option Dimensions (W×H×D) 210 × 276 × 165 mm / 8.3 × 11 × 6.5 " Weight Approx. 2.7 kg / 6 lbs , battery included Wireless System Receiver Channel Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record | Installation | Microphone stand, table mounted. |
| DC & Battery: 14.8V / 2.6AH rechargeable lithium-ion battery (MB-10 × 1) Charge Time 4 hours (automatic charging management) Standby Time > 11 hours Battery Indicator 4-level indicator (25/50/75/100%) Color Black or white option Dimensions (W×H×D) 210 × 276 × 165 mm / 8.3 × 11 × 6.5 " Weight Approx. 2.7 kg / 6 lbs , battery included Wireless System Receiver Channel Single Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 LCD displays track name, number, time, recording status. | | |
| Charge Time 4 hours (automatic charging management) Standby Time > 11 hours Battery Indicator 4-level indicator (25/50/75/100%) Color Black or white option Dimensions (W×H×D) 210 × 276 × 165 mm / 8.3 × 11 × 6.5 " Weight Approx. 2.7 kg / 6 lbs , battery included Wireless System Receiver Channel Single Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Power Supply | |
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| Weight Approx. 2.7 kg / 6 lbs , battery included Wireless System Receiver Channel Single Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Color | |
| Wireless System Receiver Channel Single Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Dimensions (W×H×D) | 210 × 276 × 165 mm / 8.3 × 11 × 6.5 " |
| Receiver Channel Single Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Weight | Approx. 2.7 kg / 6 lbs , battery included |
| Frequency Range 2,400 – 2,483.5 MHz Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | | Wireless System |
| Preset Channels 10 Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | | Single |
| Channel Set-up Scan & ACT sync Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Frequency Range | 2,400 – 2,483.5 MHz |
| Receiving Mode Dual-tuner Digital True Diversity Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Preset Channels | 10 |
| Frequency-hopping Each channel has 4 preset hopping frequencies Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Channel Set-up | Scan & ACT sync |
| Audio Sampling 24-bit / 44.1 kHz Rate Latency < 4.0 ms | Receiving Mode | Dual-tuner Digital True Diversity |
| Latency < 4.0 ms | Frequency-hopping | Each channel has 4 preset hopping frequencies |
| Antenna Built-in Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Audio Sampling | 24-bit / 44.1 kHz Rate |
| Audio Player Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Latency | < 4.0 ms |
| Built-in USB Port USB 2.0 USB Play & Record LCD displays track name, number, time, recording status. | Antenna | Built-in |
| USB Play & Record LCD displays track name, number, time, recording status. | | Audio Player |
| | Built-in USB Port | USB 2.0 |
| Operation On-board. USB remote control included. | USB Play & Record | LCD displays track name, number, time, recording status. |
| | Operation | On-board. USB remote control included. |











MA-303DG Portable Wireless PA System

Key Features

- Two 5.8 GHz true diversity receiver modules with 10 auto-scannable frequencies. One-touch Scan & Sync (ACT) button for fast and easy channel setup.
- 50W Class-D amplifier to power a 5" full-range driver.
- Built-in high-efficiency active antennas prevent accidental antenna breakage and ensure improved reception distance and stable signal quality.
- The mixed output of wired mic, wireless mic and USB.
- 3.5 mm line input accepts external iPod, MP3/CD/DVD player or laptop.
- Built-in Bluetooth to connect mobile devices for music streaming.
- Built-in one-button fade-in alarm siren for warning.
- ID code setting to prevent the interference from the same operating channel and increase compatible channels at the same venue.
- External AC switching power supply for fast battery charge. Built-in high capacity lithium battery
 provides the amplifier complete operation without AC power.
- 4-hour full charge for 10-hour stand-by time.
- A 4-level battery indicator for monitoring the battery level and charging state.

Transmitters & Microphones

| ACT-24H | Handheld Transmitter |
|----------|-----------------------------------|
| ACT-24HC | Rechargeable Handheld Transmitter |
| ACT-24T | Bodypack Transmitter |
| ACT-24TC | Rechargeable Bodypack Transmitter |
| MM-107 | Sypercardioid Dynamic Microphone |

Accessories

| MB-10 | Lithium-ion Rechargeable Battery. (14.8 V / 2.6 AH) |
|-----------|---|
| SC-30 | Storage and Carry Bag |
| MS-30 | Tripod Microphone Stand |
| MA-303AXP | Active Extension Speaker |
| MS-90 | Wall-Mounting Bracket |

Technical Specifications

| | Portable PA |
|------------------------|---|
| Max. Power Output | 60 Watts |
| Amplifier | Class D |
| Sensitivity | Typical: 92 dB Maximum: 102 dB |
| T.H.D. | < 1% |
| Frequency Response | 20 Hz – 20 kHz |
| Speaker | 1" Tweeter & 5" Woofer |
| Coverage | H 120° × V 70° |
| A 11 1 | Wired: 6.3 mm (1/4") |
| Audio Inputs | Line-In: 3.5 mm (1/8") |
| Bluetooth Connectivity | Yes |
| Audio Output | 3.5 mm (1/8") |
| Alarm Siren | Siren sound with fade-in mode |
| Installation | Microphone stand, table mounted. |
| | AC: External 100 – 240 V AC switching power supply (Max. Power |
| Dower Cumply | Consumption: 60 W) |
| Power Supply | DC & Battery: 14.8 V / 2.6 AH rechargeable lithium-ion battery (MB-10 × |
| | 1) |
| Charge Time | 4 hours (automatic charging management) |
| Standby Time | > 9 hours |
| Battery Indicator | 4-level indicator (25/50/75/100%) |
| Color | Black or white option |
| Dimensions (W×H×D) | 210 × 276 × 165 mm / 8.3 × 11 × 6.5 " |
| Weight | Approx. 2.8 kg / 6.2 lbs , battery included |
| | Wireless System |
| Receiver Channel | Dual |
| Frequency Range | 2,400 – 2,483.5 MHz |
| Preset Channels | 10 |
| Channel Set-up | Scan & ACT sync |
| Receiving Mode | Dual-tuner Digital True Diversity |
| Frequency-hopping | Each channel has 4 preset hopping frequencies |
| Audio Sampling | 24-bit / 44.1 kHz Rate |
| Latency | < 4.0 ms |
| Antenna | Built-in |
| | Audio Player |
| Built-in USB Port | USB 2.0 |
| USB Play & Record | LCD displays track name, number, time, recording status. |
| USB Play & Record | |







