

MA-100SG Personal Wireless PA System

Key Features

- Powerful sound in a rugged yet lightweight one-piece molded cabinet.
- AC and built-in lithium rechargeable battery and rechargeable transmitter operation.
- Up to 10 hours of stand-by time per 4-hour charge.
- License-free 2.4 GHz wireless diversity receiver for reliable transmission performance.
- Four Frequency Hopping Spread Spectrum technology skips common Wi-Fi used frequencies to avoid interference.
- Adaptive tracking algorithm helps in avoiding interference from 2.4 GHz communication products.
- One-touch Scan & Sync (ACT) button for fast and easy channel set-up.
- Built-in USB music player & recorder with LCD screen.
- Built-in one-button alarm/siren for warning of threats.
- User-friendly control panel provides intuitive easy operation.



Transmitters & Microphones

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

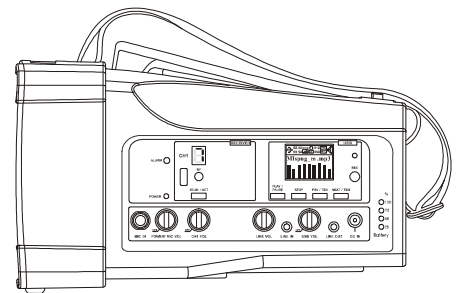
Accessories

MB-10	Lithium Rechargeable Battery. (14.8 V / 2.6 AH)
SC-10	Storage and Carry Bag
MS-30	Tripod Microphone Stand



Technical Specifications

Portable PA	
Max. Power Output	50 Watts
Amplifier	Class D
Sensitivity	Typical: 90 dB Maximum: 102 dB
T.H.D.	< 1%
Frequency Response	50 Hz – 18 kHz
Loudspeaker	5" full-range high efficiency
Audio Inputs	Wired: 6.3 mm (1/4") Line-In: 3.5 mm (1/8")
Audio Output	3.5 mm (1/8")
Alarm Siren	Siren sound with fade-in mode
Installation	Microphone stand, table mounted, shoulder belt.
Power Supply	AC: External 100–240V AC switching power supply (Max. Power Consumption: 60 W) DC & Battery: 14.8V / 2.6AH rechargeable lithium battery (MB-10×1)
Charge Time	4 hours (automatic charging management)
Standby Time	> 12 hours
Battery Indicator	4-level indicator (25/50/75/100%)
Dimensions (W×H×D)	135 × 144 × 240 mm / 5.3 × 5.6 × 9.4 "
Weight	Approx. 1.8 kg / 3.9 lbs (MB-10 battery included)
Color	Black or white option
Wireless System	
Receiver Channel	Single
Frequency Range	2,400 – 2,483.5 MHz
Bandwidth	83.5 MHz
Preset Channels	10
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
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.
Operation	On-board. USB remote control included.



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MA-100DG Personal Wireless PA System

Key Features

- Powerful sound in a rugged yet lightweight one-piece molded cabinet.
- AC and built-in lithium rechargeable battery and rechargeable transmitter operation.
- Up to 10 hours of stand-by time per 4-hour charge.
- License-free 2.4 GHz wireless diversity receiver for reliable transmission performance.
- Four Frequency Hopping Spread Spectrum technology skips common Wi-Fi used frequencies to avoid interference.
- Adaptive tracking algorithm helps in avoiding interference from 2.4 GHz communication products.
- One-touch Scan & Sync (ACT) button for fast and easy channel set-up.
- Built-in USB music player & recorder with LCD screen.
- Built-in one-button alarm/siren for warning of threats.
- User-friendly control panel provides intuitive easy operation.



Transmitters & Microphones

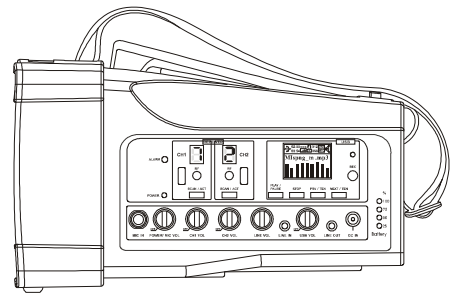
ACT-24HC	Rechargeable Handheld Transmitter
ACT-24TC	Rechargeable Bodypack Transmitter
MM-107	Supercardioid Dynamic Microphone

Accessories

MB-10	Lithium Rechargeable Battery. (14.8 V / 2.6 AH)
SC-10	Storage and Carry Bag
MS-30	Tripod Microphone Stand

Technical Specifications

Portable PA	
Max. Power Output	50 Watts
Amplifier	Class D
Sensitivity	Typical: 90 dB Maximum: 102 dB
T.H.D.	< 1%
Frequency Response	50 Hz – 18 kHz
Loudspeaker	5" full-range high efficiency
Audio Inputs	Wired: 6.3 mm (1/4") Line-In: 3.5 mm (1/8")
Audio Output	3.5 mm (1/8")
Alarm Siren	Siren sound with fade-in mode
Installation	Microphone stand, table mounted, shoulder belt.
Power Supply	AC: External 100–240V AC switching power supply (Max. Power Consumption: 60 W) DC & Battery: 14.8V / 2.6AH rechargeable lithium battery (MB-10×1)
Charge Time	4 hours (automatic charging management)
Standby Time	> 10 hours
Battery Indicator	4-level indicator (25/50/75/100%)
Dimensions (W×H×D)	135 × 144 × 240 mm / 5.3 × 5.6 × 9.4 "
Weight	Approx. 1.9 kg / 4.1 lbs (MB-10 battery included)
Color	Black or white option
Wireless System	
Receiver Channel	Dual
Frequency Range	2,400 – 2,483.5 MHz
Bandwidth	83.5 MHz
Preset Channels	10
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
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.
Operation	On-board. USB remote control included.



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