

9. Wireless Portable PA Systems



Wireless Portable PA Systems

Why Choose MIPRO Wireless PA Systems?

In 1995, MIPRO took the lead to develop MA Series portable wireless PA systems with exclusive one-piece molded cabinet, retractable pulling handle and wheels, together with robust construction, powerful clear sound, and reliable quality. Won German Red Dot Award, iF Design Award, and Taiwan Excellence Award, these models are the most advanced products selling worldwide until now.

MIPRO MA Series portable wireless PA systems are the most convenient with excellent sound effects provide in school classrooms, trade show presentations, indoor/outdoor gatherings, election public-address, music instrument, stage singing, and aerobic centers, etc.

Why Develop the MA-II Wireless PA Systems?

1. MIPRO MA-Series has been sold worldwide for two decades and faces the problem of low-priced counterfeits. Thus since 2018, MIPRO started to design a second-generation MA-II series of innovative models MA-929, MA-828 and MA-727 portable PA systems by accumulated technique and break through the traditional concept of innovative design in the cabinet appearance, speaker system, power amplifier, control panel, audio source and power supply. Provide for medium and large occasions applications.
2. In 2021, MIPRO continues to redesign the personal wireless PA system and launches MA-II Series MA-300, MA-200 and MA-100 new models to get rid of the counterfeits, and provide clear, loud sound effects, easy-to-carry wireless PA system for small occasions.
3. Choose the most advanced innovative MA-II series Wireless PA Systems to increase the performance value.

1. MA-Series Classic Portable Wireless PA Systems History and Awards

1. In 1995, MIPRO introduced MA-707 portable wireless PA, the industry's first one-piece cabinet integrated with a built-in retractable handle and paired with wheels for hand carry or pulling, which won the prestige "Taiwan Excellence Award" later. It has been produced and sold worldwide for 26 years until now.
2. Introduced in 2005, the innovative MA-808 flagship portable wireless PA features exclusive appearance, Hi-fi audio, and complete functions. It won the prestigious "Red Dot Award" in 2017.
3. In 2006, MIPRO introduced MA-708 portable wireless PA. It won the prestigious "Red Dot Award" in 2016.
4. In 2012, MIPRO introduced MA-303, the compact and fully-featured portable wireless PA.
5. In 2013, MIPRO introduced MA-505 portable wireless PA. It won the "Taiwan Excellence Award" in 2016.
6. Since 1995, MA Series portable PA systems have been mass-produced and sold worldwide until now.

MA-Series Classic Portable Wireless PA Models

MA-808	MA-708	MA-707	MA-505	MA-303
Flagship Portable PA	Luxury Portable PA	Classic Portable PA	Elite Portable PA	Miniature Portable PA
				
				

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Features

MA-808	MA-708	MA-707	MA-505	MA-303
One-piece molded cabinet built-in a high-efficiency amplifier and speaker system for powerful and clear sound in full range.				
One-piece molded integrated with a retractable handle and paired with the bottom wheels for hand carry or pulling. Also can be installed on a tripod stand.			Robust, rugged enclosure and lightweight for hand carry. Also can be installed on a tripod stand.	
Built-in transmitters storage			Power cord storage	N/A
Industry's first built-in active dual antennas for long distance and stable receiving				
Mixed output of wired and wireless mics				
CD player, Bluetooth, USB		CD player	Bluetooth, USB, CD player	Bluetooth, USB
VOP and Echo on mics		N/A	VOP and Echo on mics	N/A
Built-in AC switching power supply and rechargeable batteries				Exterior AC power supply and built-in lithium-ion rechargeable battery.
Additional interlinking transmitter modules		Extension speaker socket	Additional interlinking transmitter modules	N/A

Specifications

Model	MA-808	MA-708	MA-707	MA-505	MA-303
Max. Power Output	267 ~ 456 W	190 ~ 325 W	100 ~ 170 W	145 ~ 248 W	60 ~ 102 W
Frequency Response	50 Hz ~ 18 kHz				
Loudspeakers	Two ways		Full-range	Two ways	
Audio Inputs	Mic in: Balanced, unbalanced Line in: RCA		Mic in: XLR, Ø 6.3 mm Line in: Ø 6.3 mm	Mic in: Balanced, unbalanced Line in: Ø 3.5 mm	Mic in: Ø 6.3 mm Line in: Ø 3.5 mm
Audio Outputs	Unbalanced RCA jack		Ø 6.3 mm phone jack	Ø 3.5 mm mini jack	
Receiver Modules	Up to 4		Up to 2	Up to 4	Built-in 2
Audio Players	DPM-3 player/recorder or CDM-2 CD/USB player, Bluetooth		CDM-2 CD/USB player	DPM-3 player/recorder or CDM-2 CD/USB player, Bluetooth	USB player/recorder Bluetooth (built-in)
Microphones	Optional MM-59 or MM-590A				
Transmitter Modules	MTM Series		N/A	MTM Series	N/A
Extension Speaker	Speak only output	Ø 6.3 mm phone jack			N/A
Volume Controls	Individual volume controls for each input				
Other Functions	VOP (voice-over-priority), Echo on mics		N/A	VOP, Echo on mics	N/A
Alarm Siren	N/A			Siren sound with fade-in effect	
Power Supply	Built-in two rechargeable batteries and an AC power supply. External DC socket.			Built-in rechargeable lithium battery. External AC power supply and DC socket.	
Standby Time	Min. 6 hours	Min. 7 hours	Min. 8 hours		Min. 11 hours
Battery Indicator	4 segment indicators 25/50/75/100% (except MA-707)				
Color	Black				
Patents	Patented. Telecom and safety regulations approved.				
Note	Refer to the actual product in the event of product description discrepancy.				





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2. MA-Series Classic Personal Wireless PA Systems

History Introduction

1. In 1995, using a traditional megaphone requires holding the microphone and carrying the megaphone together which causes inconvenience, so MIPRO created the wireless megaphone MA-101, and then users can hold the wireless microphone and megaphone separately without being restricted by the cables. Users can carry megaphones by themselves or by others with one or more wireless megaphones on their shoulders, and can flexibly use them at a long distance.
2. The industry's first MA-101 personal wireless PA has the patented unique, robust and lightweight cabinet built-in a premium wireless system and high-efficiency antennas. Featuring clear, powerful sound and long-distance reception. Since 2016, the wireless system has been shifted to the ISM band, and a rechargeable lithium battery replaces sealed lead-acid rechargeable battery for reducing the weight significantly and it also extends operating hours and increases battery lifespan. It has continued to be mass-produced and sold well worldwide for over 25 years.
3. In 2002, MIPRO introduced the industry's first MA-101ACT Wireless Classroom PA System wall-mounted in every classroom. Users can carry their own personal rechargeable wireless microphone to activate and remotely control MA-101ACT.
4. In 2009, MIPRO introduced the flagship model, MA-202 personal wireless PA system, designed with an enlarged cabinet of MA-101. The MA-202 houses a Class D amplifier driving two-way loudspeakers for clear and powerful sound in full range and features practical functions and excellent performance.
5. In 2012, MIPRO introduced the ultra-compact MA-100 personal wireless PA system. The built-in high-efficiency power amplifier drives a full-range loudspeaker to present powerful clear sound. The built-in reliable, long-distance reception receiver modules, wired / wireless microphones and USB flash drive can use simultaneously with loud inputs without distortion. The system also has an alarm siren function and an easy-to-operate control panel. The MA-100 is a best-in-class and feature-rich personal wireless PA system in the market today.
6. Lightweight MA Series personal wireless PA systems can be hand-carried, shoulder strapped or mounted on a microphone stand. They are the best choice for addressing small crowds, including school classrooms, gatherings, presentations, tour guides, election campaigns or multimedia applications.

MA-Series Personal Wireless PA Systems Specifications

MA-202	MA-101	MA-101C	MA-101ACT
Flagship Personal PA	Compact Personal PA	Wired Personal PA	Wall-Mounted Classroom PA
			
Power Output	60 W max.		
Loudspeakers	Two ways		
Receivers	UHF × 1		
Transmitters	ACT-222T ACT-32H/ 32T		
Audio Inputs	Ø 6.3 mm Mic in, Ø 6.3 mm Line in, with individual volume control.		
Audio Outputs	N/A		
Audio Players	SD card, USB player		
Installation	Shoulder-strapped, hand-carried and mounted on a stand.		
Power Supply	Built-in 14.8V/ 2.6A lithium battery. External DC power supply		

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3. MA-II Series Portable Wireless PA Systems

MA-II Series Core Value

The value of audio is not for seeing, but for listening. Hear the sound effects of the MA-II to believe the core value of it!

MA-II Series Application Introduction

1. The MA-II MA-929 Pro Flagship model, MA-828 new Flagship model and MA-727 new Luxury model are three innovative professional L/M/S sized models, with patented speaker cabinet appearance, the best sound effects, the most complete functions and the most intimate operation mode to meet the needs of users.
2. MA-929 Pro Flagship model has the largest cabinet with full-range clear and powerful sound output. Up to 8 various modules can be inserted, it is ideal to be used for speech or music playing applications on large indoor/outdoor occasions.
3. MA-828 new Flagship model has a medium-sized cabinet with full-range clear and powerful sound output. Up to 4 various modules can be inserted, it is ideal to be used for speech or music playing applications in medium indoor/outdoor occasions or mobility usage.
4. MA-727 new Luxury model has a small-sized cabinet with full-range clear and powerful sound output. Up to 2 various modules can be inserted, it is ideal to be used for speech or music playing applications in small indoor/outdoor occasions or mobility usage.
5. Two or more sets of MA-II Series can be installed on one occasion and make use of interlinking transmitter modules to wirelessly connect all models as a sound system to expand the sound field and increase the sound level. DSP control provides sound delay time setting.
6. The MA-II Series can be installed on a subwoofer cabinet by a pole and connected to the AF input via the SUB output to make up an MTM line-array speaker system, delivering optimal full-range music sound effect.
7. Any two MA-II Series can be paired with each other via Bluetooth to get music playing from mobile phones or Tablet PC in TWS stereo sound effect and increase the maximum sound level.
8. The latest MIPRO MA-II innovative wireless PA series is the best choice for medium and large occasions such as teaching, seminar, exhibition advertising, campaign rally, aerobic exercise and karaoke.

MA-II Series Models

MA-929 Professional Flagship	MA-828 New Flagship	MA-727 New Luxury
		
		

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MA-II Series Features

1. Industry's first portable wireless PA systems to apply MTM and line-array two-way loudspeaker system designing principle to expand the sound field, enhance sound pressure level and reproduce natural sound.
2. Industry's first one-piece cabinet has a built-in loudspeaker system that configures a vertical dumbbell-shaped layout and performs balanced and natural sound projection for a wide coverage of hearing positions.
3. The front of the cabinet is fully covered by an MTM shaped grille, the dimensions close to aesthetic golden-section ratio, and departs away from the outdated counterfeits.
4. The three L/M/S sized models have identical cabinet designs. The built-in exclusive power amplifier drives the loudspeaker system to achieve a full-range "Point Source" sound field and powerful, clear sound output, offering for various occasions and different requirements.
5. All three models are equipped with the same control panel, providing users to operate all models with the same familiar operating modes.
6. The control panel configures wireless receiver modules, MP3 recorder/player, USB port, SD card slot, CD player, line input jack, and microphone input jack. All audio signals are mixed to output and the input level can be adjusted individually. Also, an exclusive subwoofer out socket, alarm siren button, VOP switch and power on/off switch, and the LED indicators displaying battery level and charging status.
7. Each model is equipped with two ISM 5.8 GHz receiver modules. More modules can be added for MA-828 and MA-929.
8. The plug-in Bluetooth receiver module performs a reliable connection with smartphones or tablets to play music.
9. An additional interlinking transmitter module offers more active speakers to be connected together in operation by wireless linking.
10. An exclusive mute button to replace the master volume control for easy access and correct control of various input signals.
11. MIPRO adapts exclusive DSP function instead of the traditional complex sound effect controls, to simplify the panel configuration for easy operation. It allows quick selection of preset sound effect modes to meet requirements. DELAY mode is also provided for adjusting the sound transmission time delay of extension speakers.
12. Industry's first patented retractable pulling handle storage design, combining with the bottom wheels for effortless transport.
13. A stand adaptor at the bottom of the cabinet allows the cabinet to be installed on a tripod stand or a subwoofer cabinet.
14. Built-in exclusive rechargeable battery holder allows fast insertion and replacement with lithium-ion batteries. External AC power source also can be connected to provide the system for complete operation and battery charging. A storage compartment provides for storing accessories.
15. The user-friendly waterproof storage bag is an included accessory.
16. Designed in Taiwan and manufactured in MIPRO's computerized management production line to guarantee the best product quality.

MA-II Series Specifications

Model Name	MA-929 Pro Flagship	MA-828 New Flagship	MA-727 New Luxury
Max. Power Output	290 W rms, 410~700 W max.		170 W rms, 240~580 W max.
Rear Panel	4 units of the dual-module slot, control panel module and amplifier module	2 units of the dual-module slot, control panel module and amplifier module	1 unit of the dual-module slot, control panel module and amplifier module
Audio Input / Output	DSP control panel module		
Control Panel Module	<ol style="list-style-type: none"> 1. ISM 5.8 GHz digital receiver × 2 2. DPM-3 recorder/player and SD / USB slots 3. Foolproof plug-in Bluetooth module 4. Combo XLR balanced Mic-in × 2 5. Ø 3.5 mm stereo Line-in × 1, Ø 6.3 mm Line-in × 1 6. Ø 6.3 mm Line-out × 1, Ø 6.3 mm SUB-out × 1 7. Each audio signal has an adjuster for adjusting the volume individually. Then all signals are mixed to output. 8. The mute button replaces the traditional master volume control, which can mute only the background music or all audio signals. 9. DSP buttons 10. Alarm Siren button with fade-in effect 11. VOP switch 12. Power on/off switch and battery capacity indicators 		
Receiver Modules	Up to 8 receiver or interlinking transmitter modules	Up to 4 receiver or interlinking transmitter modules	Up to 2 receiver or interlinking transmitter modules
Transmitters	Compatible with the receiver modules		
Antennas	Built-in active high-efficiency dual antennas for long-distance stable reception.		
Wired Microphones	MM-59 or MM-590A (optional)		
CD player	CDM-2 (optional)		N/A
Power Supply	Built-in battery compartment. External DC power supply.		
Rechargeable Batteries	MB-38 Lithium-ion battery set (32700 × 8)		MB-28 Lithium-ion battery set (26650 × 8)
Standby Time	9 hours		6 hours
Battery Indicators	4 segment LED indicators display battery capacity and charging status.		
Patents and Approvals	Patented. Telecom and safety regulations approved.		
Note	Refer to the actual product in the event of product description discrepancy.		

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MA-II / Classic Models Comparison

	MA-II MA-Series			Classic MA Series			
Model	MA-929	MA-828	MA-727	MA-808	MA-708	MA-505	MA-707
Name	Pro Flagship	New Flagship	New Luxury	Flagship	Luxury	Elite	Classic
Front View							
Back View							
Loudspeakers	One HF and two LF two-way system			One HF and one LF two-way system			Full-range
Speaker Grille	An MTM shaped grille covers the front of the cabinet fully, and the dimensions are close to the aesthetic golden-section ratio.			A square grille covers the LF loudspeaker.			A round grille
Power Output	410~700 W max.		240~580 W max.	267~456 W max.	190~325 W max.	145~248 W max.	100~170 W max.
Receivers	Up to 8	Up to 4	Up to 2	Up to 4			Up to 2
Bluetooth	Plug-in			Built-in			N/A
Power Supply	External AC power supply			Built-in AC power supply			
Rechargeable Batteries	Lithium-ion			Lead-acid or lithium-ion			
Audio Players	Built-in DPM-3 recorder/player, USB, SD card slot			Optional CD player, USB, SD card slot			
Retractable Handle	90° folded on top of the cabinet			Integrated with the cabinet		N/A	Integrated with the cabinet

The Substitute Suggestion of New / Classic Models

Innovative models	Classic models	The Substitute Advantages
MA-929	MA-808	Upgrade to the professional Flagship model and greatly increase the performance value.
MA-828	MA-808	<ol style="list-style-type: none"> Greatly increases the range of the sound field and presents a balanced and natural sound. The original sound can be reproduced perfectly in vocals or musical instruments. The front of the cabinet is fully covered by an MTM shaped grille, the dimensions close to aesthetic golden-section ratio, and departs away from the outdated counterfeits. Features the most advanced and complete functions. Suitable for fixed or mobile indoor/outdoor applications. Choose innovative new models of MA-II series wireless PA to substitute the classic models will greatly increase the value of performance.
	MA-708	
MA-727	MA-708	
	MA-707	
	MA-505	

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4. MA-II Series New Portable / Personal Wireless PA Systems

MA-II Series Portable / Personal Wireless PA Systems Design Highlights

1. MA-300 has a small cabinet with an echo effect and delivers full-range clear and powerful sound output. It is ideal for speech or music playing applications on small indoor/outdoor occasions.
2. MA-200 flagship personal PA has a shoulder strap for easy carrying and delivers a clear and powerful sound output level. It is ideal for speech or music PA applications on medium indoor/outdoor occasions.
3. MA-100 miniature personal PA is lightweight and shoulder strapped wireless megaphone, optimized the original MA-100 handle to make it more convenient to carry, shared operating panel and plug-in Bluetooth module, deliver loud sound level for mobile PA applications on small indoor/outdoor occasions.
4. MA-II Series personal wireless PA systems have three models equipped with ISM 5 GHz single-channel receiver modules, and another three models are equipped with dual-channel receiver modules.
5. MA-II Series personal wireless PA systems will replace the classic models as it's the most convenient mobile speech PA system on small occasions.

MA-II Series Portable / Personal Wireless PA Systems Models

MA-300 Single-channel Portable PA	MA-300D Dual-channel Portable PA	MA-200 Single-channel Personal PA	MA-200D Dual-channel Personal PA	MA-100 Single-channel Personal PA	MA-100D Dual-channel Personal PA
					
					

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Features

MA-300	MA-300D	MA-200	MA-200D	MA-100	MA-100D
The two-way speaker cabinet is redesigned to improve the efficiency in treble frequency and deliver a powerful, clear sound effect for both speech and music.		MA-200 incorporates the design essence of MA-202 and MA-100. The two-way, high efficiency speaker system delivers powerful, clear sound output in full range.		With a robust and lightweight speaker cabinet with a redesigned handle, MA-100 has high efficiency full-range speaker to deliver clear and powerful sound output.	
Easy to be hand-carried or stand-mounted, it is the best personal PA ideal for various occasions.		Easy to be hand-carried or stand-mounted, it is the best miniature personal PA system ideal for mobile PA applications.			
Equipped with the same audio input module, plug-in Bluetooth module, MP3 player/recorder, and UHF or ISM band receiver modules. Long-distance and reliable reception performance. Built-in echo function and alarm siren, which has a fade-in effect. Retractable lithium battery compartment for fast insertion and replacement. Any two MA-II Series can be paired with each other via Bluetooth to get music playing from mobile phones or Tablet PC in TWS stereo sound effect and increase the maximum sound level.					

Specifications

Power Output	Class D, 60~102 W max.
Frequency Response	50 Hz ~ 18 kHz
Loudspeakers	MA-300/200 : Two ways MA-100 : Full-range
Receivers	MA-300 / MA-200 / MA-100: UHF or ISM 5.8 GHz module × 1 MA-300D / MA-200D / MA-100D: UHF or ISM 5.8 GHz module × 2
Audio Inputs	Ø 6.3 mm Mic in, Ø 3.5 mm Line in
Audio Outputs	Ø 3.5 mm
Audio Players	Built-in MP3 player/recorder, Plug-in Bluetooth module
Microphones	MM-59, MM-590 (optional)
Volume Controls	Each audio source has individual volume control
Other Function	Echo on mics
Alarm Siren	Alarm sound with fade-in effect
Power Supply	Built-in battery compartment and DC socket for external AC power supply.
Batteries	MB-14 Lithium-ion battery set (18650 × 4)
Standby Time	> 10 hours
Battery Indicators	4 segment LED indicators display battery level and charging status.
Patents	Patented. Telecom and safety regulations approved.
Note	Refer to the actual product in the event of product description discrepancy.

The Substitute Suggestion of New / Existing Models

New models	Existing models	The Substitute Advantages
MA-300	MA-303SG	The new models share the same receiver modules, control panel, amplifier and power supply of other personal wireless PA systems. The treble is optimized to be clearer and stronger. A newly plug-in Bluetooth module and ECHO functions are added. The built-in ISM band can avoid RF signal interference and output digital clearer sound. Pair with the latest handheld and bodypack transmitters, to greatly increase the product value.
MA-300D	MA-303DG	
MA-200	MA-202	The newly designed MA-200 has the MA-100 style and the MA-300 functions. It has the most powerful sound effect of a megaphone deliver a loud sound level for mobile PA applications on indoor and outdoor occasions.
MA-100	MA-101	The new models are the most lightweight shoulder-strapped wireless megaphones. Built-in handle for more convenience to carry. Share the ISM band receiver module can avoid RF signal interference, and a newly plug-in Bluetooth module and ECHO functions on the control panel, and the amplifier, power supply to deliver clear loud sound output with longer continuous working time for small indoor/outdoor mobile PA applications. Pair with the latest handheld and bodypack transmitters which can be inserted with AA or rechargeable lithium battery, charging via USB Type-C. These advantages upgrade the original models to the most advanced models.
MA-100	MA-100SG	
MA-100D	MA-100DG	
MA-100	MA-100SB	
MA-100D	MA-100DB	

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5. Accessories

MA-II Series Optional Modules

Modules	MRM-70 UHF	MRM-58 ISM
Handheld Transmitters	ACT-500H	ACT-580H
Bodypack Transmitters	ACT-500T	ACT-580T
Optional MI Transmitters	VT-22, ST-32, ET-32	MT-58GE, MT-58GA, MT-58SB, ACT-58VL, MT-58UC, MT-58SS, ACT-58VC, ACT-58VD, MT-58SA, MT-58ST, MT-58DC, ACT-58CE, ACT-58FL.
Optional Interlinking Transmitters	MTM-24 or MTM-58 to pair with ISM 2.4 GHz / 5.8 GHz band receiver module.	MTM-91 to pair with a UHF receiver module. MTM-24 to pair with an ISM 2.4 GHz receiver module.
CD Players	CDM-2 (optional)	

Receiver Modules

MRM-70 UHF Single-Channel Receiver Module	MRM-24 ISM 2.4 GHz Single-Channel Receiver Module	MRM-58 ISM 5.8 GHz Single-Channel Receiver Module
		

Compatible Transmitters

ACT-500H Handheld Transmitter	ACT-240H Handheld Transmitter	ACT-580H Handheld Transmitter
ACT-500T Bodypack Transmitter	ACT-240T Bodypack Transmitter	ACT-580T Bodypack Transmitter
VT-22, ST-32, ET-32 Transmitter Sets	MT-24G, MT-24S, MT-24U, MT-24D, ACT-24V, ACT-24C Transmitter Sets of ISM Bands.	MT-58G, MT-58S, MT-58U, MT-58D, ACT-58V, ACT-58C Transmitter Sets of ISM Bands.

Features

<ol style="list-style-type: none"> 1. Preset 16 auto-scannable frequencies. 2. "SCAN" and "ACT" buttons, interference warning indicator and "Sensitivity" adjuster. 3. An easy-to-read LED channel display, 5-segment RF and AF meters. 4. CPU-controlled diversity receiving technology for optimum reception quality. 5. Modular design allows for easy installation and replacement. 	<ol style="list-style-type: none"> 1. 12 preset compatible channels with 8 selectable ID codes to prevent interference at the same location. 2. Digital modulation and true diversity receiving eliminate signal dropouts. 3. An easy-to-read LED channel, RF indicator and AF meters. 4. The modular design allows for fast and easy installation or replacement. 5. Affordable for personal, family users and musical instrument players. 	<ol style="list-style-type: none"> 1. 12 preset compatible channels with 8 selectable ID codes to prevent interference at the same location. One specific ID is exclusively for 1-to-1 pairing. 2. Digital modulation and true diversity receiving eliminate signal dropouts. 3. An easy-to-read LED channel, RF indicator and AF meters. 4. The modular design allows for fast and easy installation or replacement. 5. Affordable for personal, family users and musical instrument players.
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Specifications

Model	MRM-70	MRM-24	MRM-58
Frequency Range	480 ~ 934 MHz	2.4 ~ 2.4835 GHz	5.725 ~ 5.850 GHz
Bandwidth	24 MHz	83.5 MHz	125 MHz
Preset Channels	16	12 preset compatible channels with 8 selectable ID codes to prevent the audio crosstalk on the same channel.	12 preset compatible channels with 8 selectable ID codes and one specific ID to prevent the audio crosstalk on the same channel.
Channel Setup	Manually set up the desired channel or scan for an open channel. Press the ACT button to synchronize the transmitter and receiver.		
ID Code Setup	N/A	8 ID Codes	d1, d2, ... d8 for general selection. dP for 1-to-1 Pairing mode.
Display	Channel, RF/AF meters, sensitivity meters and interference warning indicator.	LED channel, RF indicator and AF meters.	
Receiving Mode	MCU-controlled diversity receiving	Dual-tuner digital true diversity	
Sensitivity	S/N > 80 dB at 10 dB μ V	+12 dB μ V	
Latency	N/A	< 4 ms	< 2.6 ms
S/N Ratio	> 100 dBA	> 115 dB(A), analog input > 113 dBA, analog output	
T.H.D.	< 0.5% @ 1 kHz	< 0.1% @ 1 kHz	
Frequency Response	50 Hz ~ 18 kHz	20 Hz ~ 20 kHz	
AF Output	610 mV rms	2 V rms	
Power Supply	12 ~ 15 V DC		
Note	Refer to the actual product in the event of product description discrepancy.		

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Wireless Interlinking Transmitters

MTM-91	MTM-24	MTM-58
		



Features

Compatible with UHF band receiver modules	Compatible with ISM 2.4 GHz receiver modules	Compatible with ISM 5.8 GHz receiver modules
16 selectable channels, with LED display.	12 selectable channels, with LCD display.	
Modular design allows for easy installation and maintenance.		

Specifications

Frequency Range	480 ~ 934 MHz	2400 ~ 2483.5 MHz	5725 ~ 5850 MHz
Bandwidth	24 MHz	83.5 MHz	125 MHz
Oscillation Mode	PLL synthesized		
RF Output Power	10 mW or 100 mW (country dependent)	10 mW	20 mW
Spurious Emissions	< -45 dBm	< -40 dBm	

Audio Player Modules

DPM-3 USB/SD Player / Recorder Module	CDM-2 CD/USB Player Module
	

Features

<ol style="list-style-type: none"> 1. Records from line-in into SD card or USB drive. A single track can be deleted during playback. 2. Standard recording with 44.1 kHz sample rate and 192 kbps bitrate. 3. One-press to play the recorded file. 4. Supports MP3 / WMA / FLAC / APE / WAV / M4A / AAC / OGG format. 5. Speed control for fast and slow play. 6. Song management by music folders. 7. Repeat, fast forward/reverse search. 8. Numeric selection. 9. Random playback. 10. Repeat a specified period for language learning function. 11. Ideal for live recording. 12. Fits MA-505, MA-708, MA-808. 	<ol style="list-style-type: none"> 1. Select and Search. 2. Repeat a single song or all songs playback. 3. USB 2.0 port. 4. Numeric selection. 5. Remote control included. 6. CDM-2 fits MA-505, MA-707, MA-708, MA-808, MA-828, and MA-929.
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Wireless Portable PA Systems

Rechargeable Battery Case

MB-80 12V Lithium-Ion Battery Case



The MB-80 holds four MB-15 LFP batteries (batteries are not included)



MB-15 LFP battery (optional)

Features

1. MB-80 battery case is designed to hold four 65~70mm (length) lithium batteries. Four series-connected battery voltages coincide and are compatible with the voltage of 12V lead-acid batteries. Therefore, it can be a direct replacement battery for the existing MB-70 lead-acid battery inside the MIPRO wireless PA systems.
2. The lithium-ion battery is reputed for its long battery life and high numbers of charge cycles and features superior weather resistance and durability. Thus, an ideal upgrade option for a battery that is lightweight, low in failure rate, and environmentally friendly.
3. MB-80 has BMS smart battery management circuits and provides safe charging and longer life cycles.

Specifications





1. It holds four 32650/ 26650/ 32700 lithium-ion batteries.
2. Same polarity direction insertion with screws and hooks for secure and easy installation.
3. Standard output voltage 12.8V; maximum continuous output current up to 8A.
4. Shorts-circuit protection ensures the safe operation of batteries.
5. Each battery has protection circuits for overcharge voltage at 3.9V and over-discharging voltage at 2.0V.
6. A smart management circuit ensures balanced charging and discharging states.
7. Four 32650 high-capacity lithium-ion batteries installed in an MB-80 can be interchangeable with one MB-70 rechargeable sealed lead-acid battery.
8. Flame retardant rating: V0.

Lithium-ion Batteries



Model Name	MB-14 Lithium-ion Battery Set	MB-28 Lithium-ion Battery Set	MB-38 Lithium-ion Battery Set
Battery	18650 × 4	26650 × 8	32700 × 8
Compatible Models	MA-100, MA-200, MA-300	MA-727	MA-707, MA-708, MA-808, MA-828, MA-929

Wireless Portable PA Systems

Accessories

Stands			
MS-11	MS-30	MS-70	MS-90
Bracket	Tripod Stand	Tripod Stand	Bracket
			
MA-101ACT	MA-100 / 101 / 200 / 202 / 300 / 303	MA-505 / 707 / 708 / 808 / 727 / 828 / 929	MA-303 / 300, MA-303AXP

Storage Carry Bags									
SC-100	SC-200	SC-300	SC-505	SC-707	SC-708	SC-808	SC-727	SC-828	SC-929
Carry Bag			Storage Bag						
									
MA-100 MA-101	MA-200 MA-202	MA-300 MA-303	MA-505	MA-707	MA-708	MA-808	MA-727	MA-828	MA-929

Extension Speakers					
MA-101EXP	MA-303AXP	MA-505EXP	MA-707EXP	MA-708EXP	MA-808EXP
Passive Extension Speaker	Active Extension Speaker	Passive Extension Speaker			
					
MA-101ACT	MA-303	MA-505	MA-707	MA-708	MA-808