

**The Leading Brand of
Portable Wireless PA Systems**



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Company Profile

MIPRO was founded in November 1995 in Chiayi, Taiwan by founder K. C. Chang. Solomon Chang is the company president and leads MIPRO in developing and manufacturing wireless microphone and wireless PA systems. Our motto is “innovation, quality and satisfied users”.

At the beginning of 1996, MIPRO's founder bought land in the Chiayi, Taiwan urban area and started construction on a US\$ multi-million, modern 5,000-square-meter production and office facility. Corporate headquarters in the new facility was completed and started running on 1st January 1997 and the Taipei showroom and office started operations in 1999. Since 2001, thanks to continued sales growth, the size of the headquarters was expanded twice to 13,000 square meters. In 2006 this expansion was completed to celebrate MIPRO's tenth anniversary. Furthermore, adjacent land and buildings were purchased to anticipate future sales growth and expansion needs. Today, the total corporate headquarters covers an area of more than 14,000 square meters.



Corporate Headquarters



Solomon Chang, president



K. C. Chang, CEO



R & D

After 18 years of steady growth, MIPRO is well known for innovative product designs and has often won Taiwan Excellence awards and frequently nominated for TEC awards Wireless Technology category. Recently, MIPRO has won the “National Invention and Creation Award” and “Rising Star Award” from Taiwan’s Ministry of Economic Affairs. MIPRO president, Solomon Chang, won the “National Executive Manager Award”.

MIPRO's mission is to “develop the best wireless microphone products and create a world-class brand in the wireless microphone industry.”



Taiwan Business Award



Rising Star Award



National Invention & Creation Award



Taiwan Excellence Award



First Brand



Taiwan Gold Medal Quality Product



TEC Award

Personal Wireless PA Systems

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Personal Wireless PA Systems

MA-100SB Single-Channel Personal Wireless PA System



Transmitters



Patents :
Taiwan Utility M409663, M409662
Design D143790, D143791

China Utility ZL201120076295.2, ZL201120076293.3
Design ZL201130046607.0, ZL201130046594.7

U.S. Design D653238
Design D651596

MA-100DB Dual-Channel Personal Wireless PA System

Controls and Indicators



Personal Wireless PA Systems

Profile

MA-100 is an all new, ultra compact and ultra-light wireless PA system. The MA-100 is powerful and offers a vast array of features in an easy-to-use package. It can be easily carried via the padded shoulder strap, built-in handle, or mounted on a microphone stand. It is an excellent public address solution for small crowds.

Features

1. Rugged yet lightweight one-piece molded cabinet.
2. Built-in 1 or 2 wireless receivers with 16 auto-scannable frequencies.
3. Built-in USB music player & recorder with LCD screen.
4. Built-in one-button alarm/siren for warning of threats.
5. User-friendly control panel provides intuitive easy operation.
6. High efficiency class-D amplifier drives a full-range speaker.
7. AC and lithium rechargeable battery operation.
8. Switching power supply efficiently provides a regulated output voltage.
9. Available in black or white color.

Ideal Applications

- School classrooms
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Indoor/outdoor gatherings
- Tour guides & paging
- Fire fighters, law enforcement, search & rescue squads
- Street performers
- Factory and company tours

Specifications

Model	MA-100SB		MA-100DB
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: 60W)	
	DC & Battery	Built-in 14.8V/2.6AH rechargeable lithium battery	
Charge Time	Up to 4 hours (automatic charging management)		
Standby Time	Up to 12 hours	Up to 10 hours	
Battery Indicator	4-level indicator (25/50/75/100%)		
Dimensions (W × H × D)	135 × 140 × 240 mm (5.3 × 5.5 × 9.4 ")		
Weight (battery included)	Approx.1.8 kg (3.9 lbs)	Approx.1.9 kg (4.1 lbs)	
Color	Black or white option		
Wireless System			
Receiver Channel	Single	Dual	
Frequency Range	480~934 MHz (country dependent)		
Bandwidth	24 MHz		
Preset Channels	16		
Channel Set-up	Scan & ACT sync		
Transmitter	ACT-32H / ACT-32HC Handheld ACT-32T / ACT-32TC Bodypack		
Microphone	MM-107 Wired Dynamic Microphone		
Antenna	Built-in		
Digital Audio Player			
Built-in 2.0 USB Port	Yes		
Play & Record	Yes		
Operation	On-board. USB remote control included.		
Patents & Approvals	Patented. Telecom and safety regulations approved.		
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.		

Personal Wireless PA Systems

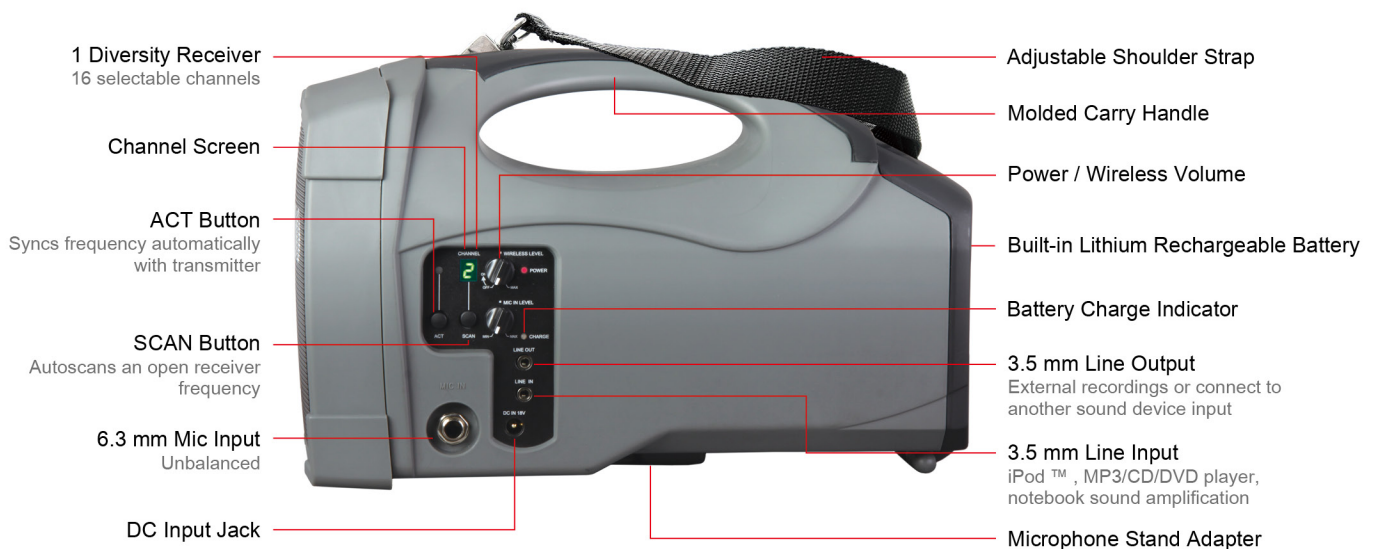
MA-101B Personal Wireless PA System



Transmitters



Controls and Indicators



Personal Wireless PA Systems

Profile

For over 18 years, MA-101 has been mass-produced and it remains a market-leading system as MIPRO ensures product design, craftsmanship and reliability are second to none. Now, a new model MA-101B is introduced and upgraded to rechargeable lithium battery from sealed lead-acid battery for improved reliability, longer life and reduced weight.

Lightweight, robust and battery operated, this popular system is simple to use and can be easily carried via the built-in handle, shoulder strap, or mounted on a microphone stand. The MA-101 is a perfect PA for a small crowds.

Features

1. Lightweight, contoured and ultra-portable design.
2. Up to 10 hours of standby time per 4-hour charge.
3. Built-in wireless receiver with 16 auto-scannable frequencies.
4. 3.5mm line input accepts external MP3, iPod and CD player.
5. AC and lithium rechargeable battery operation.
6. Powerful and crystal-clear sound projection thanks to high efficiency amplifier drives a full-range speaker.

Ideal Applications

- School classrooms
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Indoor/outdoor gatherings
- Tour guides & paging
- Fire fighters, law enforcement, search & rescue
- Street performers
- Factory or company tours

Specifications

Portable PA		
Max. Power Output	45 Watts	
Amplifier	Class AB	
Sensitivity	Typical: 95 dB Maximum: 107 dB	
T.H.D.	< 1%	
Frequency Response	60 Hz~15 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 ")	
Installation	Microphone stand, table mounted, shoulder belt	
Power Supply	AC	External 100~240V AC switching power supply (Max. Power Consumption: 60W)
	DC & Battery	Built-in 14.8V/2.6AH rechargeable lithium battery (MB-25)
Charge Time	Up to 4 hours (automatic charging management)	
Standby Time	Up to 10 hours	
Battery Indicator	Single LED indicator	
Color	Grayish Black	
Dimensions (W × H × D)	160 × 178 × 285 mm (6.3 × 7 × 11.2 ")	
Weight (battery included)	Approx. 2.2 kg (4.8 lbs)	
Wireless System		
Receiver Channel	Single	
Frequency Range	480~934 MHz (country dependent)	
Bandwidth	24 MHz	
Preset Channels	16	
Channel Set-up	Scan & ACT sync	
Transmitter	ACT-32H / ACT-32HC Handheld ACT-32T / ACT-32TC Bodypack	
Microphone	MM-107 Wired Dynamic Microphone	
Antenna	Built-in	
Patents & Approvals	Patented. Telecom and safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	

Personal Wireless PA Systems

MA-202B Personal Wireless PA System



Transmitters



Patents : Taiwan Utility M339173, M339174 Design D126294

Controls and Indicators



Personal Wireless PA Systems

Profile

MA-202B is the flagship of personal wireless PA systems. This powerful system boasts versatile feature such as built-in convenient storage compartment and battery charger for ACT-222T handheld transmitter microphone. Lightweight, robust and battery operated, it is an ideal public address solution for small to medium crowds.

MA-202B Features

1. Culmination of personal wireless PA designs.
2. Powerful and crystal-clear sound projection.
3. High efficiency class-D amplifier drives 2-way loudspeakers with level limiter.
4. Built-in wireless receiver with 16 auto-scannable frequencies
5. One-touch Scan & ACT sync buttons for fast and easy channel set-up.
6. AC and lithium rechargeable battery operation.
7. Up to 8-hour of stand-by time per 4-hour full charge.
8. USB & SD music player with LCD screen and individual volume controls.
9. Optional ACT-32H handheld transmitter for improved sound quality.
10. Convenient storage compartment and battery charger for ACT-222T handheld microphone.
11. 4-segment battery meter for accurate MA-202B battery readings and charging status.
12. 3-segment battery meter for accurate ACT-222T battery readings and charging status.
13. Receiver volume can be adjusted by MA-202B volume control or wirelessly via ACT-222T.

ACT-222T Features

1. Compact, lightweight and easy to use.
2. Quality condenser microphone ensures loud and clear vocal quality.
3. Level control allows wireless volume adjustment.
4. Can be hand-held or worn as a neck lanyard for hands-free operation.
5. Can be re-charged and stored inside the MA-202B.
6. Amazing 24 operating hours per charge.

Ideal Applications

- School classrooms
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Tour guides & paging
- Fire fighters, law enforcement, search & rescue
- Street performers
- Factory or company tours

Specifications

Portable PA		
Max. Power Output	56 Watts	
Amplifier	Class D	
Sensitivity	Typical: 96 dB Maximum: 105 dB	
T.H.D.	< 1 %	
Frequency Response	50 Hz~18 kHz	
Loudspeaker	1 " Tweeter and 5 " Woofer	
Audio Input	Wired	6.3 mm (1/4 ")
	Wireless	Single-Channel
	Digital Player	USB 2.0 and SD Card Reader
	Line-In	6.3 mm (1/4 ")
Volume Control	Wired, Wireless, Line-in & Digital Player	
Installation	Microphone stand, table mounted, shoulder belt	
Power Supply	AC	External 100~240V AC switching power supply. (Max. Power Consumption: 60W)
	DC & Battery	Built-in 14.8V/2.6AH rechargeable lithium battery (MB-25)
Charge Time	Up to 4 hours	
Standby Time	Up to 8 hours	
Battery Indicator	4-level indicator (25/50/75/100%)	
Color	Black	
Dimensions (W × H × D)	163 × 206 × 306 mm (6.4 × 8.1 × 12 ")	
Weight (battery included)	Approx. 3.1 kg (6.8 lbs)	
Wireless System		
Receiver	Single-Channel with Scan and ACT Sync	
Frequency Range	480~934 MHz (country dependent)	
Bandwidth	24 MHz	
Preset Channels	16	
Antenna	Built-in	
Transmitter	Handheld: ACT-222T Optional ACT-32H / ACT-32HC Bodypack: ACT-32T / ACT-32TC	
Microphone	MM-107 Wired Dynamic Microphone	
Digital Audio Player		
Player	Built-in USB 2.0 port and SD Card reader	
ACT-222T		
Oscillation	PLL Synthesized	
Frequency Range	480~934 MHz (country dependent)	
Channel Set-Up	ACT Sync	
Power Output	10~30 mW (country dependent)	
Spurious Emissions	< -55dBc	
Key Feature	Built-in volume level control	
Battery	Rechargeable lithium battery (8MPBA222T)	
Charge Time	Up to 6 hours	
Operating Time	Up to 24 hours	
Dimensions (W × H × D)	182 × 42 × 32 mm (7.1 × 1.6 × 1.3 ")	
Weight	Approx. 128 g (4.5 oz), battery included	
Patents & Approvals	Patented. Telecom and safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with regulations of different countries.	

Fixed Installation Wireless PA Systems

MA-101ACT Wireless Classroom PA System



Optional Accessories



MA-101EXP
Passive Extension Speaker



PC-11
Frequency Programmer

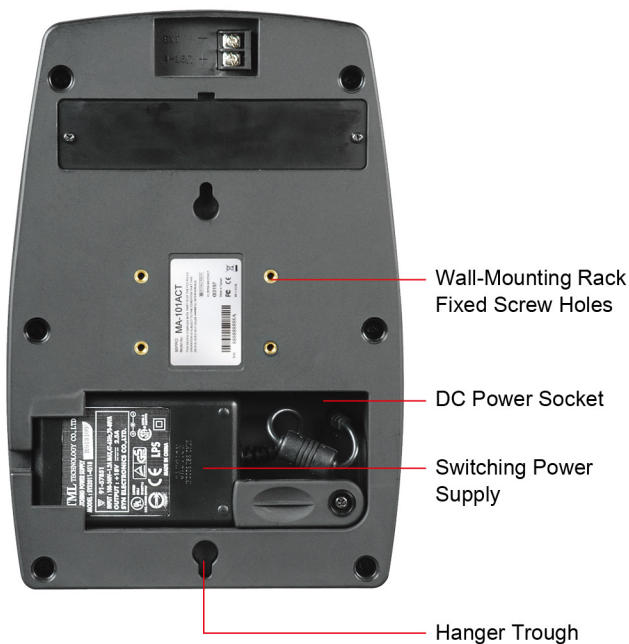


MP-101ACT
MT-101ACT Mic Charger

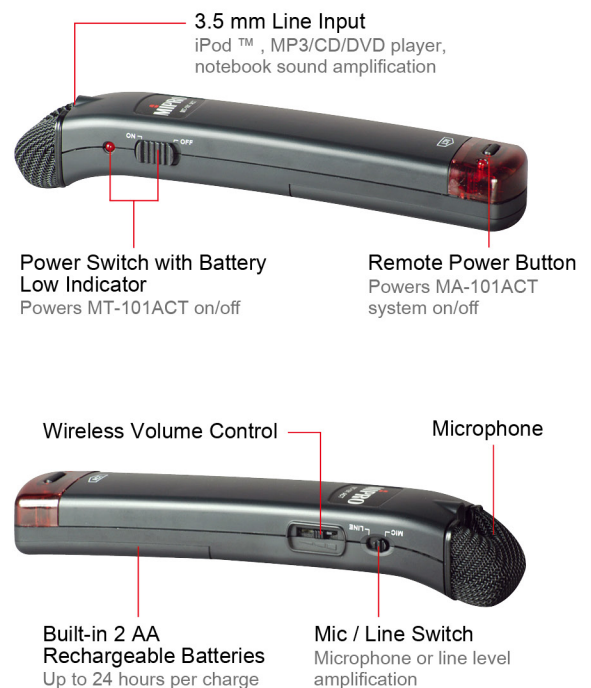


MS-11
Wall Mount Bracket

MA-101ACT Back Panel



MT-101ACT Controls and Indicators



Fixed Installation Wireless PA Systems

Profile

The system is designed so that each teacher can carry their own personal wireless microphone from classroom to classroom. When they enter a new class, they can sync to the MA-101ACT installed in that classroom and the system is ready to use.

The wireless microphone can be handheld or worn around neck. It allows the teacher to remotely turn the system on & off as well as to adjust the volume wirelessly. An external audio source such as iPod, MP3, CD, DVD or PC can also be connected to the same wireless microphone and heard through the speaker system. A drop-in charger (MP-101ACT) ensures the microphone is always charged and ready to use.

Features

1. Powerful 45 watts output.
2. Easy speaker mounting to wall or ceiling.
3. Featuring Industry's only all-in-one, versatile MT-101ACT transmitter microphone.
4. Compact, ultra-lightweight and powered via rechargeable or disposable alkaline batteries.
5. Same MT-101ACT transmitter microphone can be used in up to 97 different rooms.
6. Power on/off and volume loudness can be wirelessly remote controlled.
7. MT-101ACT can be a handheld or worn as a neck lanyard for hands-free operation with an optional external headset microphone.
8. Built-in 3.5mm mini-jack line-input (mono) accepts CD/iPod/mp3 player/tape/mini-disc/computer for amplification.
9. 24 operating hours per fast charge.

Ideal Applications

- Multiple classrooms
- Multiple meeting rooms
- Tours for factories, companies, theme parks, zoos







Specifications

Max. Power Output	45 Watts
Sensitivity	Typical: 94 dB Maximum: 103 dB
T.H.D.	< 1%
Frequency Response	60 Hz~15 kHz
Loudspeaker	5 " full-range high efficiency
Power Supply	Built-in 100~240V AC detachable switching power supply
Dimensions (W × H × D)	190 × 275 × 155 mm (7.5 × 10.8 × 6.1 ")
Weight	Approx. 2.3 kg (5 lbs)
Color	Black
Wireless System	
Frequency Range	480~934 MHz (country dependent)
Receiver Channel	Each swappable module has 97 UHF selectable frequencies
Transmitter	MT-101ACT
Audio Inputs	MT-101ACT accepts 3.5 mm Mic or Line audio input
Transmitter Battery	Detachable rechargeable battery (2XA019 × 2) & charger attached
Charge Time	Up to 3 hours
Operating Time	Up to 24 hours
Antenna	Built-in
Approvals	Patented. Telecom and safety regulations approved.
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.

Personal Wireless PA Systems

Model Comparison Chart

Model	MA-100SB	MA-100DB	MA-101B	MA-202B
				
Max. Power Output	50 Watts		45 Watts	56 Watts
Amplifier	Class D		Class AB	Class D
Sensitivity	Typical: 90 dB Maximum: 102 dB		Typical: 95 dB Maximum: 107 dB	Typical: 96 dB Maximum: 105 dB
T.H.D.	< 1%			
Speaker	5 " Full-Range			1 " Tweeter 5 " Woofer
Power Supply	External 100~240V AC switching power supply (Max. Power Consumption: 60W)			
Built-in Battery	Lithium MB-10 × 1		Lithium MB-25 × 1	
Charge Time	Up to 4 hours			
Standby Time	Up to 12 hours	Up to 10 hours	Up to 10 hours	Up to 8 hours
Battery Indicator	4-level Indicator		Single Indicator	3-level Mic & 4-level Amp Indicators
Line-Input	3.5 mm (1/8 ")			6.3 mm (1/4 ")
Line-Output	3.5 mm (1/8 ")			N/A
Mic-Input	6.3 mm (1/4 ") × 1			
Installation	Shoulder Strap, Hand Carry , Flat Surface or Microphone Stand			
Tripod Stand Type	MS-30 Microphone Stand			
Storage Compartment	N/A		Yes	ACT-222T Handheld
Storage Cover	SC-10			SC-20
Dimensions (W × H × D)	135 × 140 × 240 mm (5.3 × 5.5 × 9.4 ")		160 × 178 × 285 mm (6.3 × 7 × 11.2 ")	163 × 206 × 306 mm (6.4 × 8.1 × 12 ")
Approx. Weight (battery included)	1.8 kg (3.9 lbs)	1.9 kg (4.1 lbs)	2.2 kg (4.8 lbs)	3.1 kg (6.8 lbs)
Color	Black, optional White		Grayish Black	Black
Wireless System				
Maximum Receiver	1	2	1	
Receiver Installation	Built-in Fixed			
Preset Channels	16			
Channel Set-Up	Scan & Sync (ACT)			
Transmitter	ACT-32H or ACT-32HC Handheld ACT-32T or ACT-32TC Bodypack			ACT-222T ACT-32H or ACT-32HC ACT-32T or ACT-32TC
Frequency Range	480~934 MHz (country dependent)			
Bandwidth	24 MHz			
Digital Audio Player				
Built-in USB Port	Yes		N/A	Yes
Digital Audio Player	USB Player & Recorder		N/A	USB Player & SD card reader

Portable Wireless PA Systems

14 Portable Wireless PA Systems

24 Wireless Mixer

25 Digital Player Module Frame

26 Model Comparison Chart



Portable Wireless PA Systems

MA-303SB Single-Channel Portable Wireless PA System



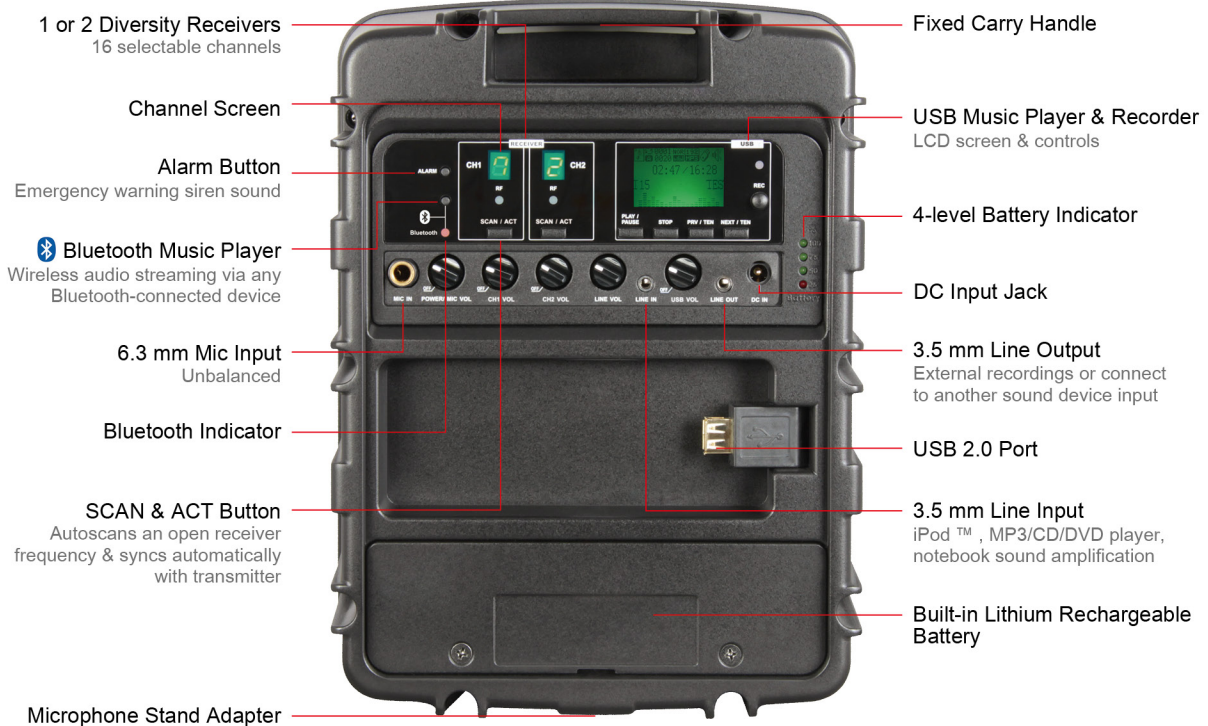
Patents : Taiwan Utility M339174



MA-303DB Dual-Channel Portable Wireless PA System



Controls and Indicators



Portable Wireless PA Systems

Transmitters



ACT-32H



ACT-32T



ACT-32HC



ACT-32TC



MP-80



Remote control

Profile

MA-303 is a very compact (A4 paper size), fully featured wireless PA system. This rugged yet lightweight system can be easily carried via the built-in handle or mounted on a microphone stand. It is an excellent public address solution for small to medium crowds.

Features

1. Best-in-class performance.
2. Ultra-light, ultra compact and ultra-portable design.
3. Powerful and crystal-clear sound projection.
4. Wireless receiver with 16 auto-scannable frequencies.
5. One-touch Scan & ACT sync button for fast and easy channel set-up.
5. Built-in Bluetooth receiver for wireless audio streaming.
6. Built-in USB music player & recorder with LCD screen.
7. Built-in alarm siren provides emergency warnings.
8. High efficiency class-D amplifier with level limiter drives 2-way speaker system.
9. AC and lithium rechargeable battery operation.
10. Up to 11 hours of stand-by time per 4-hour full charge.
11. A smart 4-segment battery meter for accurate battery reading and charging status.
12. Available in black or white color.

Ideal Applications

- School classrooms & halls
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Indoor/outdoor gatherings
- Paging
- Shopping center & trade show presentations and promotions
- Street performers
- Aerobic and fitness centers
- Recreational and social activities

Specifications

Model	MA-303SB	MA-303DB
Portable PA		
Max. Power Output	60 Watts	
Amplifier	Class D	
Sensitivity	Typical: 92 dB Maximum: 102 dB	
T.H.D.	< 1%	
Frequency Response	50 Hz~18 kHz	
Speaker	1" Tweeter & 5" Woofer	
Coverage	H 120° × V 7°	
Audio Inputs	Wired	6.3 mm (1/4")
	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	
Power Supply	AC	External 100~240V AC switching power supply (Max. Power Consumption: 60W)
	DC & Battery	Built-in 14.8V/2.6AH rechargeable lithium battery
Charge Time	Up to 4 hours (automatic charging management)	
Standby Time	Up to 11 hours	Up to 9 hours
Battery Indicator	4-level indicator (25/50/75/100%)	
Dimensions (W×H×D)	210 × 276 × 165 mm (8.3 × 11 × 6.5")	
Weight (battery included)	Approx. 2.7 kg (6 lbs)	Approx. 2.8 kg (6.2 lbs)
Color	Black or white option	
Wireless System		
Receiver Channel	Single	Dual
Frequency Range	480~934 MHz (country dependent)	
Bandwidth	24 MHz	
Preset Channels	16	
Channel Set-up	Scan & ACT sync	
Transmitter	ACT-32H ACT-32HC Handheld ACT-32T ACT-32TC Bodypack	
Microphone	MM-107 Wired Dynamic Microphone	
Antenna	Built-in	
Audio Player		
Built-in USB Port	Yes	
USB Play & Record	LCD displays track name, number, time, recording status.	
Patents & Approvals	Patented. Telecom & safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with regulations of different countries.	

Portable Wireless PA Systems

MA-505 Portable Wireless PA System

NEW



Transmitters



ACT-32H



ACT-32T



ACT-32HC



ACT-32TC



MP-80

Controls and Indicators

- CDM-2A CD Player
- CDM-2 CD/USB Player
- CDM-2B CD/USB/Bluetooth Player
- CDM-3A CD/USB Player & Recorder
- 1 or 2 MRM-70B Diversity Receivers or MT-91 Interlinking Transmitter
- SCAN Button
Autoscans an open receiver frequency
- ACT Button
Syncs frequency automatically with transmitter
- Bluetooth Music Player
Wireless audio streaming via any Bluetooth-connected device
- DPM-3 Digital Recorder
- Built-in 1 or 2 Diversity Receivers
16 selectable channels
- Extension Speaker Socket
Passive speaker
- Built-in Lithium Rechargeable Battery
- Speaker Stand Adapter
- Fixed Carry Handle
- 4-level Battery Indicator
- Voice Over Priority Switch
Mutes music when wireless mic is used
- Alarm Button
Emergency warning siren sound
- Balanced XLR Mic Input
- 3.5 mm Line Output
External recordings or connect to another sound device input
- 3.5 mm Line Input
iPod™, MP3/CD/DVD player, notebook sound amplification
- Cable Storage
- AC Power Socket
- DC Power Socket

Portable Wireless PA Systems

Optional Accessories



DPM-3 USB/SD Player&Recorder



CDM-3A CD/USB Player&Recorder



CDM-2 CD/USB Player

CDM-2A CD Player

CDM-2B CD/USB/Bluetooth Player



MRM-70B Receiver Module



MT-91
Interlinking Transmitter Module

Profile

MA-505 is the culmination of years of cutting-edge wireless PA design and delivers unparalleled audio performance and craftsmanship. The rugged one-piece speaker cabinet houses a highly efficient class-D amplifier that drives high sensitivity two-way loudspeakers. A unique limiter circuit reduces distortion and increases intelligibility for powerful and clear sound. Choice of digital audio players & recorders for audio playback or interlinking transmitter/receiver packages for extended transmission range offers an ideal public address solution for medium crowds.

Features

1. 145-watt power of loud and clear sound via high efficient class-D amplifier.
2. Rugged one-piece molded enclosure houses 1 " titanium compression driver & 8 " woofer.
3. Powerful and crystal-clear sound projection.
4. Built-in or detachable receiver module option.
5. Wireless receiver with 16 auto-scannable frequencies.
6. One-touch Scan & ACT sync button for fast and easy channel set-up.
7. Built-in Bluetooth music player for wireless audio streaming.
8. A voice priority feature that mutes the music when wireless microphone is used.
9. Built-in one-button alarm/siren for warning of threats.
10. Built-in AC switching power supply for universal usage and fast battery charge.
11. A smart 4-segment battery meter for accurate battery reading and charging status.
12. Industry's only MT-91 wireless interlinking transmitter option to interlink multiple MA-505 portables wirelessly to extend transmission range and expand coverage.
13. Built-in cable storage compartment.
14. AC and lithium rechargeable battery operation.
15. Up to 8 hours of stand-by time per 4-hour full charge.

Ideal Applications

- School classrooms & halls
- Places of worship
- Presentations, seminars and meetings
- Day-care activities; playground duty
- Indoor/outdoor gatherings
- Weddings & funeral services
- Shopping center & trade show presentations and promotions.
- Street performers
- Aerobic and fitness centers
- Recreational and social activities

Specifications

Portable PA	
Power Output	100W(rms) 4Ω , 145W(max) 4Ω
Amplifier	Class D
Sensitivity	Typical: 91 dB Maximum: 109 dB
T.H.D.	< 1%
Frequency Response	50 Hz~18 kHz
Speaker	Tweeter 1 " Tweeter Bass 8 " Woofer
Coverage	H 130° × V 90°
Audio Inputs	Wired XLR balanced & unbalanced 6.3 Ø mm (1/4 ") Wireless Up to 4. 2 Built-in & 2 External Detachable Audio Player CDM-2 CDM-2A CDM-2B CDM-3A DPM-3 Line-In 3.5 Ø mm (1/8 ") mini-jack
Bluetooth Connectivity	Yes
Audio Output	3.5 Ø mm (1/8 ") mini-jack
Extension Speaker	Unbalanced 6.3 Ø mm (1/4 ") jack
Volume	Individual volume control
Functions	VOP, Tone control or optional Echo control
Alarm Siren	Siren sound with fade-in mode
Storage	For AC power cable
Installation	Hand carry, Flat surface or on a speaker stand.
Power Supply	AC Built-in 100~240V AC switching power supply (Max. Power Consumption: 165W) DC & Battery External DC connector. Built-in 25V/4.5A rechargeable lithium
Charge Time	Up to 4 hours (automatic charging management)
Standby Time	Up to 8 hours
Battery Indicator	4-level LED indicator (25/50/75/100%)
Color	Black
Dimensions (W × H × D)	285 × 400 × 225 mm (11.2 × 15.7 × 8.9 ")
Weight (battery included)	Approx. 8.5 kg (18.7 lbs)
Wireless System	
Detachable Module Receiver	1 or 2 MRM-70B Scan & ACT sync
Built-in Fixed Receiver	1 or 2 Scan & ACT sync
Frequency Range	480~934 MHz (country dependent)
Preset Channels & Bandwidth	16 preset channels in 24 MHz frequency bandwidth
Antenna	Built-in proprietary active high efficiency antenna
Transmitter	ACT-32H ACT-32HC Handheld ACT-32T ACT-32TC bodypack
Microphone	MM-107 Wired Dynamic Microphone
Interlinking Transmitter	MT-91 module
Installation	Plug-n-play for optional modules
Digital Audio Player	
Audio Player	CDM-2 CDM-2A CDM-2B CDM-3A DPM-3
Audio Remote Control	DPM-3 – detachable or on-board
Patents & Approvals	Patented. Telecom & safety regulations approved.
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.

Portable Wireless PA Systems

MA-707 Portable Wireless PA System



Transmitters



ACT-32H



ACT-32T



ACT-32HC

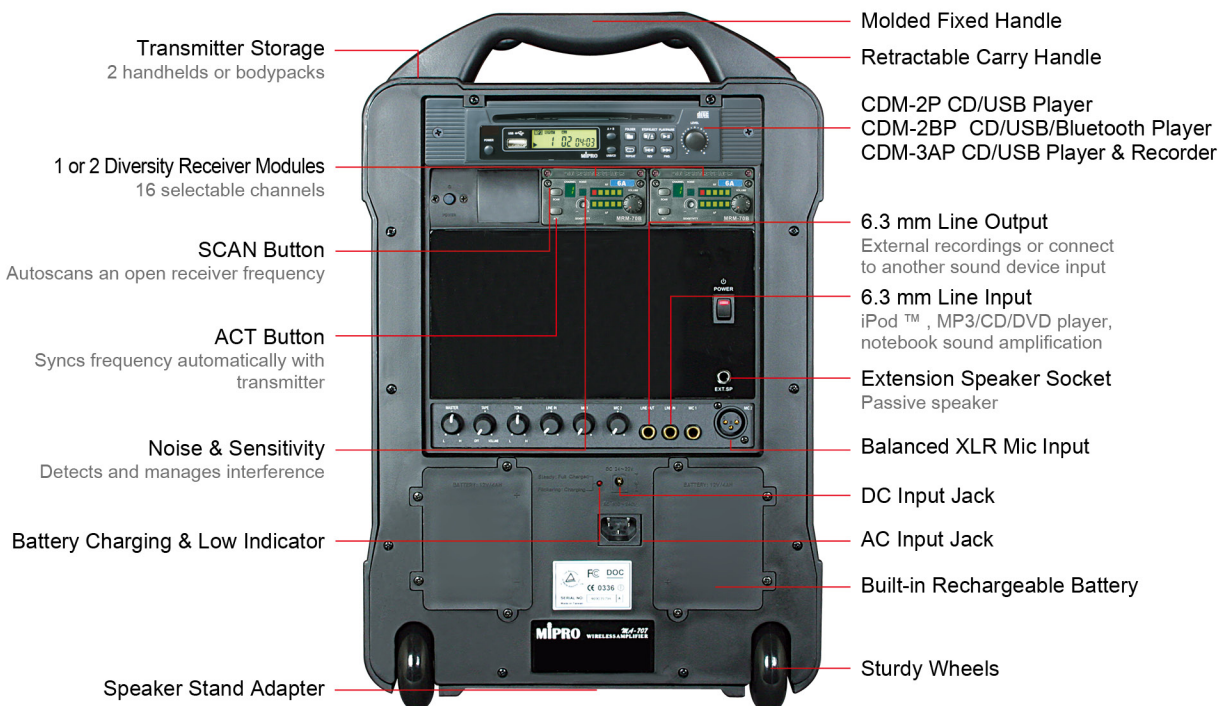


ACT-32TC



MP-80

Model shown with accessories



Portable Wireless PA Systems

Optional Accessories



CDM-3AP CD/USB Player & Recorder



CDM-2P CD/USB Player
CDM-2BP CD/USB/Bluetooth Player



MRM-70B Receiver Module

Profile

For over 17 years, the MA-707 has been a best seller in over 80 countries worldwide and remains a market-leading system. The MA-707 MIPRO product design ensures craftsmanship and reliability second to none. MA-707 is a popular, versatile and rugged system that provides excellent full range music reproduction and quality intelligible speech for indoor and outdoor use. The MA-707 is an ideal public address solution for medium to large crowds.

Features

1. Delivers a powerful 100 Watts of audio output.
2. Up to 2 optional diversity receiver modules with 16 auto-scannable frequencies.
3. One-touch Scan for a clear, interference-free frequency set.
4. One-touch ACT syncs the transmitter and receiver frequency automatically.
5. Interference warning indicator.
6. Built-in retractable handle and sturdy wheels for easy transport.
7. Built-in storage compartment for up to 2 handheld or body pack transmitters.
8. Optional modular digital audio player & recorder.
9. Built-in AC switching power supply for universal usage and fast battery charge.
10. 3 power modes: AC, rechargeable battery and external DC jack.

Ideal Applications

- Schools
- Places of worship
- Presentations, seminars and meetings
- Shopping center & trade show presentations and promotions
- Aerobic & fitness centers
- Parades & fetes
- Street performers
- Park and recreational facilities
- Emergency interventions
- Weddings & funeral services
- Public auctions

Specifications

Portable PA		
Max. Power Output	100 Watts	
Amplifier	Class AB	
Sensitivity	Typical: 98 dB Maximum: 111 dB	
T.H.D.	< 1%	
Frequency Response	50 Hz~18 kHz	
Speaker	8 " full-range	
Audio Inputs	Wired	XLR × 1 & 6.3mm (1/4 ") × 1
	Wireless	Up to 2 wireless microphones
	Audio Player	CDM-2P CDM-2BP CDM-3AP
	Line-In	Unbalanced 6.3mm (1/4 ") jack
Audio Output	Unbalanced Line 6.3mm (1/4 ") jack	
Extension Speaker	6.3 mm (1/4 ") Phone jack	
Volume	Master and other individual controls	
Controls	Tone control	
Storage	2 handheld or bodypack transmitters	
Installation	Speaker stand, flat surface or retractable handle & wheels	
Power Supply	AC	Built-in 100~240V AC switching power supply (Max. Power Consumption: 120W)
	DC & Battery	24~32 DC, 12V/4.5AH rechargeable gel cell battery
Charge Time	Up to 8 hours (automatic charging management)	
Standby Time	Up to 8 hours	
Battery Indicator	Single LED Indicator	
Dimensions (W × H × D)	310 × 445 × 240 mm (12.2 × 17.5 × 9.4 ")	
Weight (battery included)	Approx. 14.8 kg (32.5 lbs)	
Wireless System		
Receiver	MRM-70B with Scan & ACT sync	
Max. Receiver	Up to 2	
Transmitter	ACT-32H ACT-32HC Handheld ACT-32T ACT-32TC Bodypack	
Microphone	MM-107 Wired Dynamic Microphone	
Installation	Plug-in Module	
Antenna	Built-in	
Digital Audio Player		
Model	CDM-2P CDM-2BP CDM-3AP	
Installation	Plug-in Module	
Patents & Approvals	Patented. Telecom & safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	

Portable Wireless PA Systems

MA-708 Portable Wireless PA System

NEW



Transmitters



ACT-32HR



ACT-32H



ACT-32T



ACT-32HC



ACT-32TC



MP-80

Model shown with accessories

- Transmitter Storage**
2 handhelds or bodypacks
- Interlinking Transmitter**
16-ch., extend transmission range
- 1~4 Diversity Receiver Modules**
16 selectable channels
- Noise & Sensitivity**
Detects and manages interference
- SCAN & ACT Button**
Autoscans an open receiver frequency & syncs automatically with transmitter
- Bluetooth Music Player**
Wireless audio streaming via any Bluetooth-connected device
- Master Volume with Indicators / Memory Function**
Overall volume & remote volume control for ACT-32HR
- RCA Line Input**
iPod™, MP3/CD/DVD player, notebook sound amplification
- Built-in Rechargeable Battery**
MB-70 × 2 or MB-80 × 2
- Speaker Stand Adapter**
- Molded Fixed Handle**
- Retractable Carry Handle**
- CDM-2A CD Player**
- CDM-2 CD/USB Player**
- CDM-2B CD/USB/Bluetooth Player**
- CDM-3A CD/USB Player & Recorder**
- DPM-3 USB/SD Player & Recorder**
- 4-level Battery Indicator**
- Echo control on wireless mic**
- Extension Speaker Socket**
Passive speaker
- Tone Control**
Bass/treble adjustment
- Balanced XLR Mic Input**
- Voice Over Priority Switch**
Mutes music when wireless mic is used
- AC Power Socket**
- DC Power Socket**
- RCA Line Output**
External recordings or connect to another sound device input
- Sturdy Wheels**

Portable Wireless PA Systems

Optional Accessories



DPM-3 USB/SD Player&Recorder



CDM-3A CD/USB Player&Recorder



CDM-2 CD/USB Player

CDM-2A CD Player

CDM-2B CD/USB/Bluetooth Player



MRM-70B Diversity Receiver Module

MRM-72B Diversity Receiver Module



MTM-92
Interlinking Transmitter Module

Profile

Providing a host of impressive functionality and features, the MA-708 is an undisputed market leader in its class.

MA-708 delivers unparalleled audio performance and craftsmanship. The rugged one-piece speaker cabinet houses a high efficient class-D amplifier that drives high sensitivity two-way loudspeakers with a limiter circuit that reduces distortion and increases intelligibility. The overall system design guarantees powerful and clear sound and offers an ideal public address solution for medium to large crowds.

Features

1. Lightweight Class-D amplifier produces 190-watt audio output.
2. 1 " titanium compression driver & 8 " woofer.
3. Industry's only remote wireless master level control with use of an optional ACT-32HR transmitter microphone.
4. Master volume with "Memory" and "Standard" mode options. "Memory" mode saves and recalls last volume level during next power on. "Standard" mode resets to zero level.
5. Up to 4 optional diversity receiver modules with 16 auto-scannable frequencies.
6. One-touch Scan & ACT sync button for fast and easy channel set-up.
7. Built-in Bluetooth music player for wireless audio streaming.
8. Retractable handle and sturdy wheels for easy transport.
9. Built-in storage compartment for 2 HH or BP transmitters.
10. A voice priority feature that mutes the music when wireless microphone is used.
11. Built-in AC switching power supply for universal usage and fast battery charge.
12. Smart 4-segment battery meter for accurate battery and charging status.
13. Industry's only MTM-92 wireless transmitter option for interlinking multiple MA-708 portables wirelessly to extend transmission range & expand coverage.
14. Optional lithium rechargeable battery pack offering superior cycle life, half the weight and environmentally friendly.
15. 3 power modes: AC, rechargeable battery and DC jack.
16. Suitable for tripod, floor or desk mount use.
17. Available in black or white color.

Ideal Applications

- School sports events and marching bands
- Large meetings and public gatherings
- Presentations, seminars and meetings
- Shopping center presentations and promotions
- Places of worship
- Aerobic & fitness centers
- Parades & fetes
- Street performers
- Park and recreational facilities
- Emergency and rescue situations
- Weddings & funeral services
- Public auctions

Specifications

Portable PA		
Max. Power Output	190 Watts	
Amplifier	Class D	
Sensitivity	Typical: 89 dB Maximum: 108 dB	
T.H.D.	< 1%	
Frequency Response	50 Hz~18 kHz	
Speaker	Tweeter	1 " Compression Driver
	Bass	8 " Woofer
Coverage	H 80° × V 60°	
Audio Inputs	Wired	XLR × 1 & 6.3 mm (1/4 ") × 1
	Wireless	Up to 4 wireless microphones
	Audio Player	CDM-2A CDM-2 CDM-2B CDM-3A DPM-3
	Line-In	Unbalanced RCA jack
Bluetooth Connectivity	Yes	
Audio Output	Unbalanced Line RCA jack	
Extension Speaker	6.3 mm (1/4 ") Phone jack	
Master Volume Control	Manually or Wirelessly via ACT-32HR	
Controls	Tone, Voice priority & Echo on wireless mics	
Storage	2 handheld or bodypack transmitters	
Installation	Speaker stand, flat surface or retractable handle & wheels	
Power Supply	AC	Built-in 100~240V AC switching power supply (Max. Power Consumption: 220W)
	DC & Battery	24~32 DC, 12V/4.5AH rechargeable gel cell battery or optional MB-80 × 2
Charge Time	Up to 8 hours (automatic charging management)	
Standby Time	Up to 7 hours	
Battery Indicator	4-level indicator (25/50/75/100%)	
Color	Black, White	
Dimensions (W × H × D)	336 × 545 × 325 mm (13.2 × 21.5 × 12.8 ")	
Weight (battery included)	Approx. 16.3 kg (36 lbs)	
Wireless System		
Receiver	MRM-70B MRM-72B	
Max. Receiver	Up to 4 (MRM-70B × 2 + MRM-72B × 1)	
Transmitter	ACT-32H ACT-32HR ACT-32HC Handheld ACT-32T ACT-32TC Bodypack	
Microphone	MM-107 Wired Dynamic Microphone	
Interlinking Transmitter	MTM-92	
Installation	Plug-in Module	
Antenna	Built-in	
Digital Audio Player		
Model	CDM-2A CDM-2 CDM-2B CDM-3A DPM-3	
Installation	Plug-in Module	
Patents & Approvals	Patented. Telecom & safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	

Portable Wireless PA Systems

MA-808 Portable Wireless PA System

NEW



Patents : Taiwan Design D112612 China Design ZL200530143378.9



Transmitters



ACT-32HR



ACT-32H



ACT-32T



ACT-32HC



ACT-32TC



MP-80

Model shown with accessories



Transmitter Storage
2 handhelds or bodypacks

Interlinking Transmitter
16-ch., extend transmission range

1~4 Diversity Receiver Modules
16 selectable channels

Noise & Sensitivity
Detects and manages interference

SCAN & ACT Button
Autoscans an open receiver frequency & syncs automatically with transmitter

Bluetooth Music Player
Wireless audio streaming via any Bluetooth-connected device

Master Volume with Indicators / Memory Function
Overall volume & remote volume control for ACT-32HR

RCA Line Input
iPod™, MP3/CD/DVD player, notebook sound amplification

Built-in Rechargeable Battery
MB-70 × 2 or MB-80 × 2

Speaker Stand Adapter

Molded Fixed Handle

Retractable Carry Handle

CDM-2A CD Player
CDM-2 CD/USB Player
CDM-2B CD/USB/Bluetooth Player
CDM-3A CD/USB Player & Recorder
DPM-3 USB/SD Player & Recorder

4-level Battery Indicator

Echo control on wireless mic

Tone Control
Bass/treble adjustment

Extension Speaker Socket
Passive speaker

Balanced XLR Mic Input

Voice Over Priority Switch
Mutes music when wireless mic is used

RCA Line Output
External recordings or connect to another sound device input

AC Power Socket

DC Power Socket

Sturdy Wheels

Portable Wireless PA Systems

Optional Accessories



DPM-3 USB/SD Player&Recorder



CDM-3A CD/USB Player&Recorder



CDM-2 CD/USB Player

CDM-2A CD Player

CDM-2B CD/USB/Bluetooth Player



MRM-70B Diversity Receiver Module



MRM-72B Diversity Receiver Module



MTM-92 Interlinking Transmitter Module

Profile

MA-808 is the flagship and ultimate wireless PA system and brings a host of impressive features and functionalities.

MA-808 delivers unparalleled audio performance and craftsmanship. The rugged one-piece speaker cabinet houses a high efficient class-D/AB amplifiers that drive high sensitivity two-way loudspeakers and limiter circuitry reduces distortion and increases intelligibility for guaranteed powerful and clear sound. It offers an ideal public address solution for large crowds.

Features

1. Lightweight Class-D amplifier produces 267-watt audio output.
2. 1.5 " titanium compression driver & 10 " woofer.
3. Industry's only master level control enables volume be wirelessly controlled by an optional ACT-32HR transmitter microphone instead of a separate remote.
4. Master volume with "Memory" and "Standard" mode options. "Memory" mode saves and recalls last volume level during next power on. "Standard" mode resets to zero level.
5. Up to 4 optional diversity receiver modules with 16 auto-scannable frequencies
6. One-touch Scan & ACT sync button for fast and easy channel set-up.
7. Built-in Bluetooth music player for wireless audio streaming.
8. Retractable handle and sturdy wheels for easy transport.
9. Built-in storage compartment for 2 HH or BP transmitters.
10. A voice priority feature that mutes the music when wireless microphone is used.
11. Built-in AC switching power supply for universal usage and fast battery charge.
12. A smart 4-segment battery meter for accurate battery reading and charging status.
13. Industry's only MTM-92 transmitter option for interlinking multiple MA-808 portables wirelessly to extend transmission range & expand coverage.
14. Optional lithium rechargeable battery pack for direct replacement of existing battery. Lithium battery offers superior cycle life, half the weight and environmental.
15. Speakon extension speaker output (use with MA-808EXP).
16. 3 power modes: AC, rechargeable battery and DC jack.
17. Suitable for tripod, floor or desk mount.

Ideal Applications

- School sports events and marching bands
- Large meetings and public gatherings
- Presentations, seminars and meetings
- Shopping center presentations and promotions
- Places of worship
- Aerobic & fitness centers
- Parades & fetes
- Street performers
- Park and recreational facilities
- Emergency and rescue situations
- Weddings & funeral services
- Public auctions

Specifications

Portable PA		
Max. Power Output	267W: 190W (woofer) 77W (tweeter)	
Amplifier	Class D & Class AB	
Sensitivity	Typical: 96 dB Maximum: 111 dB	
T.H.D.	< 1%	
Frequency Response	50 Hz~18 kHz	
Speaker	Tweeter	1.5 " Compression Driver
	Woofer	10 " Neodymium
Coverage	H 60° × V 50°	
Audio Inputs	Wired	XLR × 1 & 6.3 mm (1/4 ") × 1
	Wireless	Up to 4 wireless microphones
	Audio Player	CDM-2A CDM-2 CDM-2B CDM-3A DPM-3
	Line-In	Unbalanced RCA jack
Bluetooth Connectivity	Yes	
Audio Output	Unbalanced Line RCA jack	
Extension Speaker	Speakon output	
Master Volume Control	Manually or Wirelessly via ACT-32HR	
Controls	Tone, Voice priority & Echo on wireless mics	
Storage	2 handheld or bodypack transmitters	
Installation	Speaker stand, flat surface or retractable handle & wheels	
Power Supply	AC	Built-in 100~240V AC switching power supply (Max. Power Consumption: 352W)
	DC & Battery	24~32 DC, 12V/4.5AH rechargeable gel cell battery or optional MB-80 × 2
Charge Time	Up to 8 hours (automatic charging management)	
Standby Time	Up to 6 hours	
Battery Indicator	4-level indicator (25/50/75/100%)	
Color	Black	
Dimensions (W × H × D)	360 × 560 × 350 mm (14.2 × 22 × 13.8 ")	
Weight (battery included)	Approx. 20.5 kg (45 lbs)	
Wireless System		
Receiver	MRM-70B MRM-72B	
Max. Receiver	Up to 4 (MRM-70B × 2 + MRM-72B × 1)	
Transmitter	ACT-32H ACT-32HR ACT-32HC Handheld ACT-32T ACT-32TC Bodypack	
Microphone	MM-107 Wired Dynamic Microphone	
Interlinking Transmitter	MTM-92	
Installation	Plug-in Module	
Antenna	Built-in	
Digital Audio Player		
Model	CDM-2A CDM-2 CDM-2B CDM-3A DPM-3	
Installation	Plug-in Module	
Patents & Approvals	Patented. Telecom & safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	

Portable Wireless PA Systems

MA-909 Wireless Mixer

The MA-909 is a breakthrough in the traditional design concept of wireless PA systems. Essentially, it separates the control mixer from the amplified speaker system. The mixed audio signals from the MA-909 can be transmitted wirelessly to inter-linking receiver modules installed in one or more remote active speaker systems (MA-705PA, MA-707PA, MA-708PA, MA-808PA) thus allowing the mixer to be set up in any desired location without the need for bulky and inconvenient connecting cables.

It's an ideal interface for hundreds of applications including existing in-wall school audio systems, remote broadcast setups, press conferences, hotel facilities, live sound, weddings, pep rallies, assemblies, and much more. The MA-909 is the perfect solution for any application requiring flexibility, convenience and performance with excellent results.



Features

1. EIA Standard 2U metal case equipped with plug-in dual UHF wireless receivers, CD player, wired microphone jack, LINE-IN jack of other audio sources and LINE-IN/OUT jack of recorder.
2. A wired microphone, two wireless microphones, CD/DVD players, and other audio sources can be mixed simultaneously to the input.
3. 16 preset channels.
4. Modular design for interlinking wireless receiver allows being built-in or mounted on active speaker systems.
5. The active speaker systems with an interlinking receiver module installed allow unlimited expansion or change of setup position within transmitting range.

Specifications

Receiver	Plug-in 2 UHF detachable receiver modules
Matching Transmitters	ACT-32H Handheld, ACT-32T Bodypack
Microphones	MM-107 Wired Microphone
Receiver Antennas	Rear Panel. Detachable
Audio Player	CDM-2 (CD + USB)
Audio Input Sockets	Balanced, Unbalanced Mic & Line-in / Line-out
T.H.D.	< 0.5%
Frequency Response	50 Hz~15 kHz
Wireless Transmitter	MT-92: Preset 16 frequencies
Power Supply	Built-in 100~240V AC switching power supply
Exterior Color	Black
Dimensions (W × H × D)	420 × 44 × 200 mm (16.5 × 1.7 × 7.9 ")
Weight	Approx. 5.2 kg (11.5 lbs)
Note	Refer to actual product in the event of product description discrepancy.

Optional Accessories

MRM-70B Receiver Module

1. 16 preset channels
2. Autoscan and ACT™ sync
3. Modularized design

MT-92 Interlink Transmitter Module

1. 16 preset channels
2. Autoscan
3. Modularized design

MR-90B Interlink Receiver Module

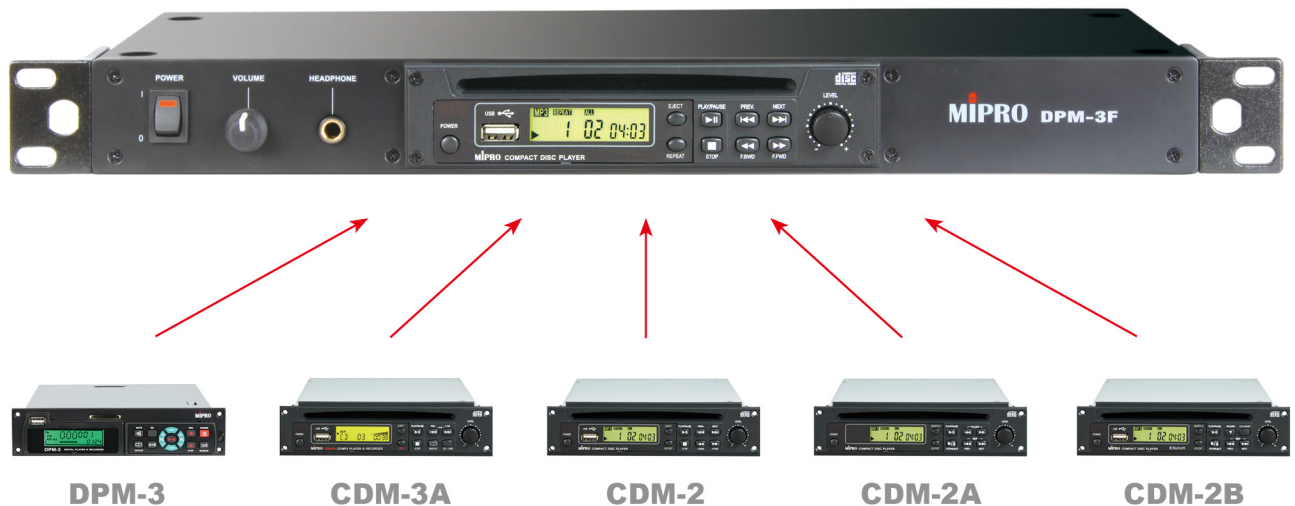
1. 16 preset channels to match MT-92
2. LCD displays operating status
3. Modularized design

CDM-2 CD/USB Player Module

1. Plays CD and USB flash disk
2. Selection and Search
3. Programmable tracks
4. Random & repeat playback
5. USB 2.0 port
6. Select tracks by number
7. Remote control included



DPM-3F Digital Player/Recorder Module Frame



Profile

DPM-3F is an EIA-standard 19 " 1U metal module frame which fits MIPRO digital audio players & recorders. Several input and output jacks enables routing to external recording devices or other audio mixer/amplifiers.

Features







1. EIA-standard rack-mountable 19 " 1U metal module frame.
2. Accepts MIPRO DPM-3, CDM-2, CDM-2A, CDM-2B, CDM-3A.
3. REC INPUT stereo RCA stereo inputs for external audio sources and can be used with MIPRO DPM-3, CDM-3A for recording.
4. LINE OUTPUT RCA stereo output connectors for interfacing external audio mixer/amps.
5. VIDEO OUTPUT connector interfaces with an external recordable device.
6. 6.3mm headphone monitoring jack with volume control.

Specifications

Input Sensitivity	RCA jack, 10K Ω impedance, Maximum input -2dBV
Headphone Output	6.3 \varnothing mm, impedance 30 Ω /50mW \times 2
T.H.D.	< 0.1%
S/N Ratio	>103dB
Current Consumption (excluding CD)	50mA
Power	DC12 ~ 15V
LINE Output	1V rms

Portable Wireless PA Systems

Model Comparison Chart

Model	MA-303SB	MA-303DB	MA-505	MA-707	MA-708	MA-808	
							
Max. Power Output	60 Watts		145 Watts	100 Watts	190 Watts	267 Watts	
Sensitivity	Typical: 92 dB Maximum: 102 dB		T: 91 dB M: 109 dB	T: 98 dB M: 111 dB	T: 89 dB M: 108 dB	T: 96 dB M: 111 dB	
Amplifier	Class D			Class AB	Class D	Class AB + D	
Speaker	1 " Tweeter + 5 " Woofer		1 " Tweeter & 8 " Woofer	8 " Full-Range	1 " Compression Driver & 8 " Woofer	1.5 " Compression Driver & 10 " Woofer	
Coverage	H 120° × V 70°		H 130° × V 90°	N/A	H 80° × V 60°	H 60° × V 50°	
Power Method	AC Power , Rechargeable Battery & DC input		AC Power , Rechargeable Battery & DC input	AC Power , Rechargeable Battery & DC input			
Power Supply	External 100~240V AC switching power supply (Max. Power Consumption: 60W)		Built-in 100~240V AC switching power supply (Max. Power Consumption: MA-505: 165W MA-705: 70W MA-707: 120W MA-708: 220W MA-808: 352W)				
Built-in Battery	Lithium MB-10 × 1		Lithium MB-35 × 1	Sealed Lead-Acid MB-70 × 2 (optional LFP MB-80 × 2)			
Charge Time	Up to 4 hours			Up to 8 hours			
Standby Time	Up to 11 hours	Up to 9 hours	Up to 8 hours	Up to 8 hours	Up to 7 hours	Up to 6 hours	
Battery Indicator	4-level Indicator			Single Indicator	4-level Indicator		
Line-In	3.5 mm (1/8 ") × 1			6.3mm (1/4") × 1	Single RCA × 1		
Line-Out	3.5 mm (1/8 ") × 1			6.3mm (1/4") × 1	Single RCA × 1		
Mic-In	6.3 mm (1/4 ") × 1		XLR & 6.3 mm × 1	XLR & 6.3 mm (1/4 ") × 1			
Bluetooth Connectivity	Yes			Optional CDM-2BP	Yes		
Voice Over Priority	N/A		Yes	N/A	Yes		
Echo Control	N/A		N/A	N/A	Yes		
Tone Control	N/A		Yes				
Retractable Handle & Wheels	N/A			Yes			
Transport	Molded Fixed Handle			Retractable handle and wheels			
Tripod Stand Type	MS-30 Microphone		MS-70 Speaker				
Storage Compartment	N/A			2 Handhelds	2 Handhelds or 2 Bodypacks		
Storage Cover	SC-30		SC-50	SC-70	SC-75	SC-80	
Extension Speaker	Yes						
Dimensions (W × H × D)	mm	210 × 276 × 165		285 × 400 × 225	310 × 445 × 240	336 × 545 × 325	360 × 560 × 350
	inches	8.3 × 11 × 6.5		11.2 × 15.7 × 8.9	12.2 × 17.5 × 9.4	13.2 × 21.5 × 12.8	14.2 × 22 × 13.8
Approx. Weight (battery included)	2.7 kg (6 lbs)	2.8 kg (6.2 lbs)	8.5 kg (18.7 lbs)	14.8 kg (32.5 lbs)	16.3 kg (36 lbs)	20.5 kg (45 lbs)	
Wireless System							
Maximum Receiver	1	2	Up to 4	Up to 2	Up to 4		
Receiver Installation	Built-in		Built-in & Plug-in	Plug-in Module			
Preset Channels	16						
Channel Set-Up	Scan & Sync (ACT)						
Transmitter	ACT-32H or ACT-32HC Handheld ACT-32T or ACT-32TC Body pack				ACT-32H or 32HR or 32HC Handheld ACT-32T or 32TC Bodypack		
Frequency Range	480~934 MHz (country dependent). 24 MHz bandwidth						
Wireless Interlinking Transmitter	N/A		Optional MT-91	N/A	Optional MTM-92		
Audio Player							
Digital Audio Player	USB Player & Recorder (built-in)		CDM-2 CDM-2A CDM-2B CDM-3A DPM-3 (optional)	CDM-2P CDM-2BP CDM-3AP (optional)	CDM-2 CDM-2A CDM-2B CDM-3A DPM-3 (optional)		

Accessories

- 28 Receiver Modules & Interlinking Transmitters
- 30 Digital Audio Players & Recorders
- 31 Transmitters
- 34 Rechargeable Transmitters
- 38 Headworn Microphones
- 40 Lavalier Microphones
- 41 Rechargeable Batteries
- 42 Rechargeable Batteries
& Other Accessories



MRM-70B | MRM-72B

Diversity Receiver Module

The modular plug-and-play design allows for fast and easy installation or replacement of MIPRO MA-505, MA-705, MA-707, MA-708 and MA-808 portable PA systems. Installation or replacement takes less than a minute.



MRM-70B



MRM-72B

Features

1. Advanced diversity technology for optimum reception quality.
2. Preset with 16 auto-scannable frequencies.
3. One-touch Scan for a clear, interference-free frequency.
4. One-touch ACT™ syncs the transmitter and receiver frequency automatically.
5. Interference warning indicator.
6. "Sensitivity" adjustor can be adjusted to minimize interference.
7. Easy-to-read LED channel display.
8. 5-segment RF and Audio meters.
9. Dual "PilotTone & NoiseLock" circuits minimize interference.
10. Modularized design allows easy installation and replacement.
11. When installed, master level control enables volume be wirelessly controlled by an ACT-32HR transmitter microphone instead of a separate remote. (MA-708 & MA-808 portables)

Specifications

Model	MRM-70B	MRM-72B
Receiver Channel	Single-Channel	Dual-Channel
Frequency Range	480~934 MHz (country dependent)	
Oscillation Mode	PLL Synthesized	
Bandwidth	24 MHz	
Preset Channels	16	
Channel Set-up	Scan and ACT sync	
Receiving Mode	CPU-controlled diversity receiving	
Squelch Control	"PilotTone & NoiseLock" dual-squelch circuits	
Display Status	Channel, RF & audio meters and interference warning indicator	
Sensitivity	6 dB μ V, at S/N > 80 dB	
Spurious Emissions	< 82 dB	
Frequency Response	60 Hz~15 kHz (Overall system)	
S/N Ratio	> 100 dBA	
T.H.D.	<0.5% @ 1kHz (Dev.=32kHz)	
AF Output	610 mV rms	
Power Supply	12~15 V DC	
Current Consumption	<250 mA	
Operating Temperature	-10~+60°C	
Transmitters	ACT-32H ACT-32T ACT-32HR (MA-708 & MA-808 only)	
Dimensions (W x H x D)	75 x 35 x 141 mm (3.0 x 1.4 x 5.6 ")	220 x 57 x 190 mm (8.7 x 2.2 x 7.5 ")
Weight	Approx. 126 g (4.4 oz)	Approx. 622 g (22 oz)
Note	Refer to actual product in the event of product description discrepancy.	

MT-91 Interlinking Transmitter Module



Features

1. 16 selectable channels.
2. Numeric LED display.
3. Modularized design allows easy installation and replacement.
4. MT-91 fits MA-505 portables.

Specifications

Frequency Range	480~934 MHz (country dependent)
Oscillation Mode	PLL Synthesized
Bandwidth	24 MHz
RF Output Power	10 / 100 mW switchable (country dependent)
Spurious Emissions	< -45 dBm
Dimensions (W × H × D)	75 × 35 × 165 mm (2.9 × 1.4 × 6.4 ")
Weight	Approx. 85 g (3 oz)
Note	Refer to actual product in the event of product description discrepancy.

MT-92 | MTM-92 Interlinking Transmitter Module



MT-92

Features

1. 16 selectable channels.
2. Numeric LED display.
3. Modularized design allows easy installation and replacement.
4. MTM-92 fits MA-708 or MA-808 portables.

Specifications

Frequency Range	480~934 MHz (country dependent)
Oscillation Mode	PLL Synthesized
Bandwidth	24 MHz
RF Output Power	10 / 100 mW switchable (country dependent)
Spurious Emissions	< -45 dBm
Dimensions (W × H × D)	MT-92 : 65 × 34.5 × 165 mm (2.5 × 1.3 × 6.4 ") MTM-92 : 220 × 57 × 190 mm (8.6 × 2.2 × 7.5 ")
Weight	MT-92 : Approx. 80 g (2.8 oz) MTM-92 : Approx. 410 g (14.5 oz)
Note	Refer to actual product in the event of product description discrepancy.



MTM-92

MT-92

Accessories - Audio Players

DPM-3 USB/SD Player & Recorder Module



1. Records from Line-input into SD card or USB.
2. Can repeat specified period for language learning function.
3. Single track can be deleted during playback.
4. Song management by music folders.
5. Equalizer modifies bass, treble and other sonic.
6. Repeat, Fast forward/reverse search.
7. Numeric selection and random playback.
8. Remote control can be operated on-board or detached from the panel.
9. Fits MA-505, MA-708 or MA-808.

CDM-3A | CDM-3AP CD/USB Player & Recorder Module



1. Records from Line-input into USB.
2. Can repeat specified period for language learning function.
3. Single track can be deleted during playback.
4. Song management by music folders.
5. Repeat, Fast forward/reverse search.
6. Numeric selection.
7. Random playback & programmable tracks.
8. CDM-3A fits MA-505, MA-705, MA-708, MA-808.
9. CDM-3AP fits MA-707.

CDM-2 | CDM-2P CD/USB Player Module



1. Plays standard CD and USB flash disk.
2. Selection and Search.
3. Random & repeat playback.
4. USB 2.0 port.
5. Wireless remote control included.
6. CDM-2 fits MA-505, MA-705, MA-708, MA-808.
7. CDM-2P fits MA-707.

CDM-2A CD Player Module



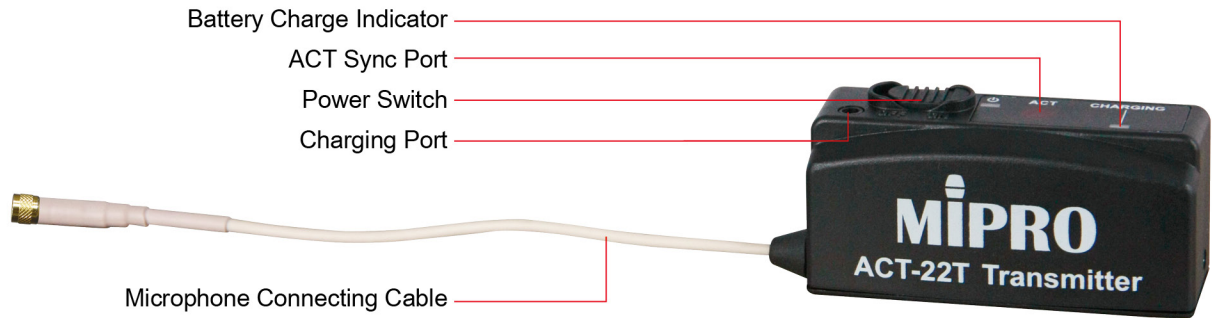
1. Plays standard CD.
2. Selection and Search.
3. Programmable tracks.
4. Random & repeat playback.
5. Wireless remote control included.
6. CDM-2A fits MA-505, MA-705, MA-708, MA-808.

CDM-2B | CDM-2BP CD/USB/Bluetooth Player Module



1. Bluetooth for wireless audio streaming.
2. Plays standard CD and USB flash disk.
3. Selection and Search.
4. Random & repeat playback.
5. USB 2.0 port.
6. Wireless remote control included.
7. CDM-2B fits MA-505, MA-705, MA-708, MA-808.
8. CDM-2BP fits MA-707.

ACT-22T Miniature Headworn Transmitter



Profile

MIPRO introduces the ACT-22T, a compact, miniature transmitter. It allows complete freedom of mobility when connected with a headworn microphone with no bodypack and no cable. This true wireless solution offers a hands-free operation without cable entanglement and poor connection problems.

The ACT-22T utilizes PLL synthesized technology for increased RF stability and is packed into a lightweight, miniature housing so the transmitter can rest comfortably and securely, unobtrusive behind the head of the performer.

Featuring a built-in rechargeable lithium battery with a quick charger for extended battery hours, the transmitter's patented ACT sync enables fast and easy transmitter setup with any MIPRO receiver.

The ACT-22T can be connected to a MU-210d or MU-23d headworn microphone or VM-10M instrument microphone. Coupled with its protective pad to prevent scratches, it can be attached to percussion, string and wind musical instruments for wireless audio amplification.

The ACT-22T is easy to use and ideal for education, theater, aerobics/fitness, houses of worship applications and anywhere true wireless freedom is desired.

Assembled with MU-23d Headworn Microphone



Specifications

Oscillation Mode	PLL Synthesized
Frequency Range	480~934 MHz (country dependent)
Bandwidth	24 MHz
Channel Set-up	ACT Sync
RF Output Power	10~30 mW (country dependent)
Spurious	< -55 dBc
Battery	Built-in Rechargeable Lithium Battery
Operating Time	Up to 4 hours
Headset Mics	MU-23d / MU-210d
Dimensions (W × H × D)	57 × 28 × 20 mm (2.2 × 1.1 × 0.8 ")
Weight	Approx. 38 g (1.3 oz), rechargeable battery included
Patent & Approvals	Patented. Telecom and safety regulations approved.
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.

ACT-32H Handheld Transmitter

ACT-32HR Remote Volume Control Handheld Transmitter



Patents :
Taiwan Utility M381162
China Utility ZL201420051347.4

Features

1. Robust, lightweight plastic housing.
2. The unique multi-layered metal grille protects the capsule against impact, rolling and pop noise, ensuring clarity of sound.
3. Interchangeable capsule module with premium condenser or dynamic options for easy and fast changeovers.
4. Premium condenser capsules exhibit high fidelity, wide dynamic range, fast transient responses, good feedback rejection, accurate sound image characteristics, transparent sound quality and withstand maximum SPL.
5. Reversible end-cap allows power on/off switch being locked to avoid accidental power-off during performance.
6. Impact-resistant battery compartment holds 2 AA batteries.
7. Backlit LCD displays various parameters and status.
8. Stable PLL circuits. Automatically synchronized with the receiver's frequency by MIPRO's patented ACT™ function.
9. Patented "built-in" antenna design.
10. Interchangeable colored rings for microphone channel identification on stage.
11. Industry's only digital master control can be adjusted manually or wirelessly via new ACT-32HR handheld transmitter microphone. (for MA-708 & MA-808 portables)
12. High-efficiency circuitry design provides more than 16 hours of operation from 2 AA batteries (depending on the battery quality).

Specifications

Model	ACT-32H	ACT-32HR
Built-in Volume Control	N/A	Yes. For MA-708 & MA-808 portables installed with MRM-70B & MRM-72B receiver modules
Housing	Rugged Plastic	
Frequency Range	480~934 MHz	
Bandwidth	24 MHz	
Oscillation Mode	PLL Synthesized	
Channel Set-Up	ACT Sync	
RF Output Power	10~30 mW (country dependent)	
Spurious Emissions	<-55dBc	
Max. SPL	140dB SPL	
LCD Display	Group, Channel, Battery status & Error codes	
Capsules	Interchangeable premium MU-90 MU-80 MU-70 ECM or MU-59 MU-39 Dynamic	
Battery Type	2 AA alkaline	
Current Consumption	Approx. 92mA	
Dimensions (Ø × L)	50 × 233 mm / 2.0 × 9.2 "	
Weight	Approx. 246 g / 8.68 oz, excluding batteries	
Patents & Approvals	Patented. Telecom and safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	

ACT-52T Bodypack Transmitter



ACT-32T Bodypack Transmitter



Features

1. Miniature, compact design in metal (52T) / plastic (32T) housing.
2. Top features mute switch, mini-XLR connector and antenna.
3. Backlit LCD displays various parameters and indicators.
4. Unique battery cover design provides easy access to operational controls and protects against accidental change of settings.
5. Connector for optional MJ-70 remote mute switch cable.
6. Low spurious PLL-synthesized technology enhances frequency stability and reliability. One-touch ACT syncs the transmitter and receiver frequency automatically.
7. Selectable impedance for microphone or guitar/line inputs.
8. 4-pin mini XLR connector is compatible with all MIPRO lavalier, head worn microphones and instrument cable.
9. Highly efficient power consumption circuitry ensures long operating hours from 2 AA batteries.
10. Adjustable belt clip allows wearing transmitter in up or down position.

Specifications

Model	ACT-52T	ACT-32T
Housing	Metal Composite	Rugged Plastic
Frequency Range	480~934 MHz (country dependent)	
Bandwidth	24 MHz	
Oscillation Mode	PLL Synthesized	
Channel Set-Up	ACT Sync	
RF Output Power	10 / 50 mW switchable (country dependent)	
Spurious Emissions	<-55 dBc	
Max. Input Level	0 dBV	
Mute Connector	Optional MJ-70 remote mute switch	
LCD Display	Group, Channel, Frequency, AF gain, Frequency band, RF power, Mute mode, Lock status, Battery status and error codes	
Capsules	Headworn: MU-13 / MU-23 / MU-210 / MU-53HN / MU-55HN Lavalier: MU-53L / MU-55L	
Battery	2 AA alkaline	
Current Consumption	High Power: approx. 161mA ; Low Power: approx. 120 mA	
Dimensions (W × H × D)	63 × 82 × 22 mm (2.5 × 3.2 × 0.9 ")	
Weight (excluding batteries)	Approx. 98 g (3.5 oz)	Approx. 81 g (2.8 oz)
Patents & Approvals	Patented. Telecom and safety regulations approved.	
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.	

ACT-32HC Rechargeable Handheld Transmitter

NEW

Patents :
Taiwan Design D115708
China Design ZL200630006688.0
U.S. Invention 7978869



The rechargeable battery can be easily replaced



Capsule



Housing



Capsule



Battery Cover



Rechargeable Battery

Housing

Accessories - Rechargeable Transmitters

Features

1. Robust, lightweight plastic housing.
2. The unique multi-layered metal grille protects the capsule against impact, rolling and pop noise, ensuring clarity of sound.
3. Interchangeable capsule module with premium condenser or dynamic options for easy and fast changeovers.
4. Proprietary condenser capsules exhibit high fidelity, wide dynamic range, fast transient responses, good feedback rejection, accurate sound image characteristics, transparent sound quality and withstands maximum SPL.
5. Proprietary lockable power on/off switch to avoid accidental power-off during performance.
6. Impact-resistant battery compartment holds an ICR 18500 rechargeable lithium battery.
7. Battery low LED indicator.
8. Stable PLL circuits. Automatically synchronized with the receiver's frequency by MIPRO's patented ACT™ function.
9. Patented "built-in" antenna design.
10. Transmitter has high-efficiency circuitry design. The included single rechargeable lithium battery can be easily removed or interchanged for charging. The intelligent battery charger maintains a high charge capacity for up to 600 charge cycles for cost saving and is environmentally friendly.

Specifications

Housing	Rugged Plastic
Frequency Range	480~934 MHz
Bandwidth	24 MHz
Oscillation Mode	PLL Synthesized
Channel Set-Up	ACT Sync
RF Output Power	10~30 mW (country dependent)
Spurious Emissions	< -55dBc
Max. Input Level	140dB SPL
Display	LED Indicator
Capsules	Interchangeable premium MU-90 MU-80 MU-70 ECM or MU-59 MU-39 Dynamic
Battery Type	ICR 18500 rechargeable lithium battery × 1
Current Consumption	High Power: approx. 125mA; Low Power: approx. 100mA
Operating Time	A 15-minute quick charge provides up to 1 hour usage. Minimum 15 hours of operation per 4-hour full charge.
Dimensions (Ø × L)	50 × 248 mm / 2.0 × 9.8 "
Weight	Approx. 249 g / 8.8 oz, excluding batteries
Patents & Approvals	Patented. Telecom and safety regulations approved.
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.

ACT-32TC Rechargeable Bodypack Transmitter

NEW



Patents :
 Taiwan Utility M424706
 Design D150218
 China Utility ZL201120536034.4
 Design ZL201130429380.8

- Mute Button
- Audio Input Connector
- LCD Display Panel
- Remote Mute Connector
- ACT IR Port
- MODE Button
- SET Button
- Power Button
- Charging Port

Features

1. Lightweight, compact size with sturdy plastic housing.
2. On the top features mute switch, mini-XLR connector and antenna.
3. Backlit LCD displays various parameters and status.
4. Innovatively designed battery cover allows easy access to operate buttons and prevents accidental operation.
5. Mute button with remote-control jack for easy activation of mute function.
6. Stable PLL circuits. Automatically synchronized with the receiver's frequency by MIPRO's patented ACT™ function.
7. Can directly match to high-low input impedance for microphone or guitar without switching.
8. Mini-XLR input with secure screw lock connector for lavalier / headworn mics and guitar.
9. Adjustable belt clip allows wearing transmitter in up or down position.
10. Transmitter has high-efficiency circuitry design. The included single rechargeable lithium battery can be easily removed or interchanged for charging. The intelligent battery charger maintains a high charge capacity for up to 600 charge cycles for cost saving and is environmentally friendly.

Specifications

Housing	Rugged Plastic
Frequency Range	480~934 MHz
Bandwidth	24 MHz
Oscillation Mode	PLL Synthesized
Channel Set-up	ACT Sync
RF Output Power	10 mW / 50 mW (switchable, country dependent)
Spurious Emissions	< -55dBc
Max. Input Level	0dBV
Mute Connector	Optional MJ-70 remote mute switch
LCD Display	Group, Channel, Frequency, AF gain, Frequency band, RF power, Mute mode, Lock status, Battery status and error codes
Capsules	Headworn: MU-13 MU-23 MU-210 MU-53HN MU-55HN Lavalier: MU-53L MU-55L
Battery Type	ICR 18500 rechargeable lithium battery × 1
Current Consumption	High Power: approx. 125mA; Low Power: approx. 100mA
Operating Time	A 20-minute fast charge provides up to 1 hour operation. Minimum 13 hours of operation per 4-hour full charge.
Dimensions (W × H × D)	63 × 70 × 25 mm / 2.5 × 2.8 × 1.0 "
Weight	Approx. 77 g / 2.7 oz, excluding batteries
Patents & Approvals	Patented. Telecom and safety regulations approved.
Notes	Refer to actual product in the event of product description discrepancy. Frequency range and maximum deviation comply with the regulations of different countries.

MP-80 3-in-1 Transmitter Charger Station

NEW

Patents : Taiwan Utility M477090 Design D163311

Profile

The MP-80 is a new generation of charging station designed exclusively for MIPRO rechargeable transmitters. Each station has two charging slots. Each slot has a 3-in-1 charging design, enabling multiple charging options:



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Features

1. Two charger slots provide convenient charging for MIPRO rechargeable handheld & bodypack transmitters and ICR18500 rechargeable batteries.
2. Intelligent charging circuitry provides efficient and safe charging.
3. Precise charging status with red (charging) & green (charged) indicators.
4. The reverse polarity protection circuit prevents charging errors.
5. Two spare ICR18500 battery storage slots.
6. Storage compartment for charging cable.
7. Two or more chargers can be easily interconnected for more charging options.

Specifications

Input Voltage Range	DC 10V~15V / 1A
Battery Type	ICR18500 3.7V Li-ion Battery × 2
Charge Method	Termination by 20% regulation current
Charge Current	Approx. 500mA by regulation current
Current Consumption	Approx. 600mA/12V, for two batteries charging at the same time
Dimension (W × H × D)	92 × 78 × 158 mm / 3.6 × 3.1 × 6.2 "
Weight	Approx. 300g / 10.6 oz
Environment Conditions	-10~+ 60 °C

Parts

- ICR18500 battery storage
- Handheld / Bodypack / ICR18500 charging slots
- AC Adapter

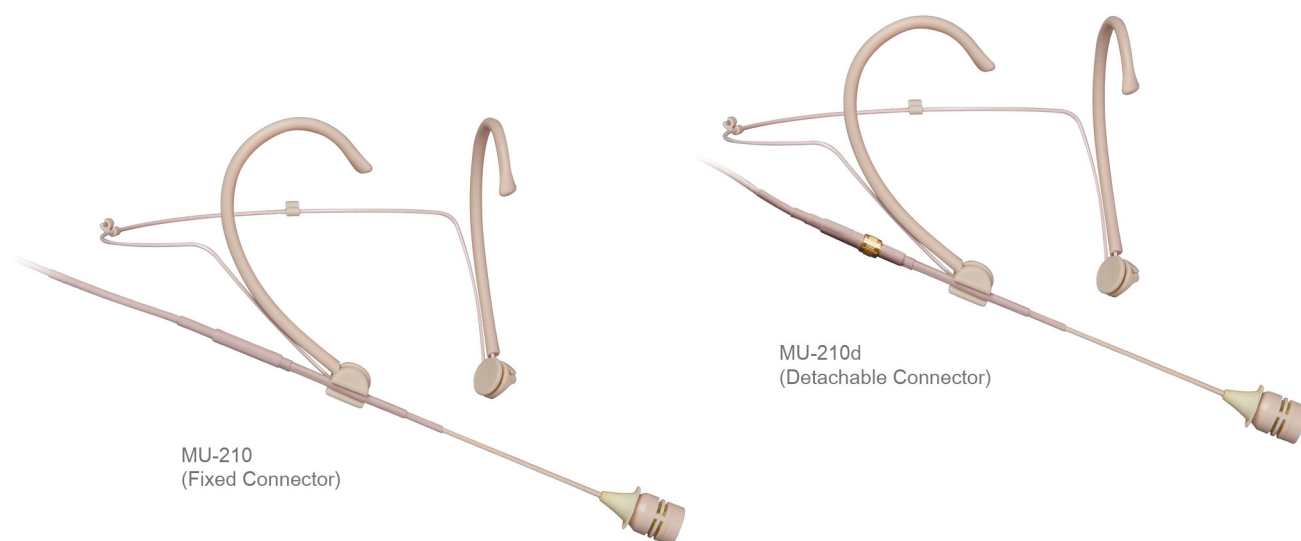


Interconnected Multiple Chargers

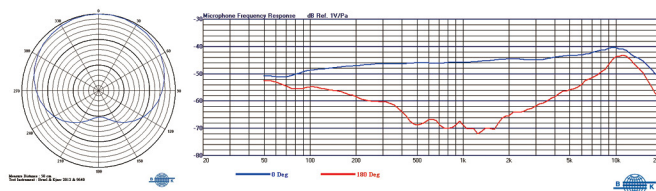
Charging Methods



MU-210 | MU-210d Dual-Sided Headworn Microphone



MU-210 Polar Pattern / Frequency Response



Features

1. Compact ear-hook design for a secure, ultra comfortable fit.
2. Supplied in three ear-hook sizes for ideal fit.
3. Detachable boom can be worn on left or right & detached for replacement or servicing.
4. MU-210 / MU-210d features a 10mm uni-directional capsule.
5. Resistant to moisture, perspiration and salts.
6. Detachable or fixed microphone boom options.
7. Soft yet flexible thin boom bends 120° and holder can be height rotated for an ideal fit.
8. Ideal for speech and vocal applications.

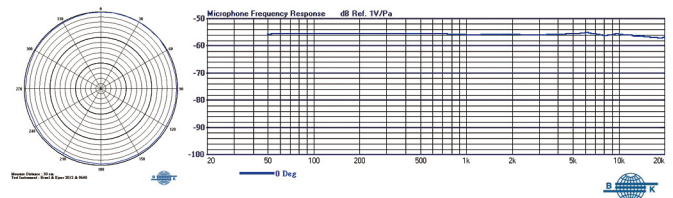
Specifications

Capsule Module	10 mm Ø uni-directional condenser microphone
Frequency Response	50 Hz~18 kHz
Sensitivity	-46 ± 3 dBV/Pa (0dB=1V/Pa)
Max. SPL	142 dB (1%THD typical)
Microphone Holder	Can be installed right or left side.
Plug	4-pin mini XLR (screw-lock)
Color	Beige
Cable Length	150 cm (59.1 ")
Weight	Approx. 27 g (1.0 oz)
Note	Refer to actual product in the event of product description discrepancy.

MU-23 | MU-23d Dual-Sided Headworn Microphone



MU-23 Polar Pattern / Frequency Response



Features

1. Compact ear-hook design for a secure, ultra comfortable fit.
2. Supplied in three ear-hook sizes for ideal fit.
3. Detachable boom can be worn on left or right & detached for replacement or servicing.
4. MU-23 / MU-23d features a 3mm omni-directional capsule.
5. Resistant to moisture, perspiration and salts.
6. Detachable or fixed microphone boom options.
7. Soft yet flexible thin boom bends 120° and holder can be height rotated for an ideal fit.
8. Ideal for speech and vocal applications.

Specifications

Capsule Module	3 mm Ø omni-directional condenser microphone
Frequency Response	40 Hz~20 kHz
Sensitivity	-56 ± 3 dBV/Pa (0dB=1V/Pa)
Max. SPL	138 dB (1%THD typical)
Microphone Holder	Can be installed right or left side.
Plug	4-pin mini XLR (screw-lock)
Color	Beige
Cable Length	150 cm (59.1 ")
Weight	Approx. 22 g (0.8 oz)
Note	Refer to actual product in the event of product description discrepancy.

Accessories - Lavalier Microphones

MU-53L | MU-53LS Uni-Directional Lavalier Microphones

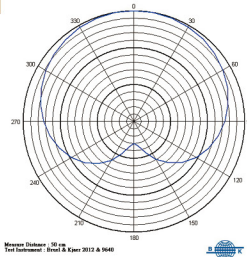


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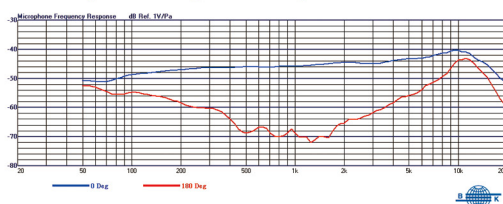


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Polar Pattern



Frequency Response



MU-55L | MU-55LS Omni-Directional Lavalier Microphones

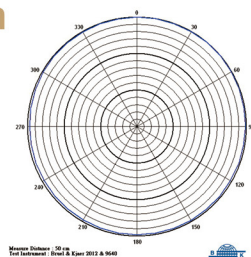


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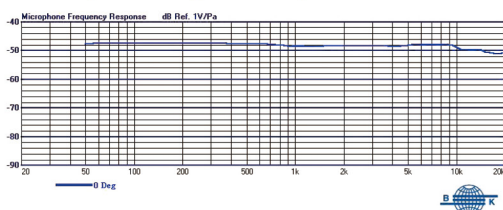


(Beige)

Polar Pattern



Frequency Response



Features

1. MU-53 features high dynamic range characteristic and sustains up to 142 dB SPL with 1% T.H.D.
2. Miniature MU-55 is inconspicuous, lightweight and waterproof.
3. Supplied with 4-pin mini XLR and fits all MIPRO bodypack transmitters.
4. Featuring a smooth, warm, natural sound.
5. Available in black or beige colors.
6. Ideal for theater, houses of worship and educational applications.

Specifications

Models	MU-53L MU-53LS	MU-55L MU-55LS
Capsule Module	10 mm Ø uni-directional condenser microphone	4.5 mm Ø omni-directional condenser microphone
Frequency Response	50 Hz~18 kHz	40 Hz~20 kHz
Sensitivity	-46 ± 3 dBV/Pa (0dB=1V/Pa)	-49 ± 3 dBV/Pa (0dB=1V/Pa)
Max. SPL	142 dB (1%THD typical)	135 dB (1%THD typical)
Plug	4-pin mini XLR (screw-lock)	
Color	Black or Beige	
Cable Length	150 cm (59 ")	
Weight	Approx. 19 g (0.7 oz)	Approx. 14 g (0.5 oz)
Note	Refer to actual product in the event of product description discrepancy.	

MB-80 12V Lithium Iron Phosphate Battery Case

NEW

Patents : Taiwan Utility M478918 China Utility ZL20142005548.1



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

32650 high capacity LFP battery (optional)

Profile

MB-80 battery case is designed to hold four 65~70mm (length) lithium iron phosphate batteries. Four series-connected battery voltage coincides 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 MA-707, MA-708 & MA-808 portable wireless PA systems.

Currently, the lithium iron phosphate battery (LiFePO or LFP battery) is recognized as the leader for number of charge and discharge cycles of rechargeable battery. Generally, the average life of a rechargeable lead-acid or lithium battery is 500 discharge-recharge cycles. Higher quality LiFePO or LFP has up to 2,000 discharge-recharge cycles. It is considered as an environmentally friendly battery, superior cycle life, reduced failures and half the weight of an equivalent capacity lead-acid, thus, an ideal replacement and upgrade battery option. It is readily available by MIPRO and other rechargeable battery shops.

MB-80 has BMS smart battery management circuits and provides safe charging protection technology and extremely long life cycles.

Features

1. It holds four 32650/26650/32700 LFP model type battery.
2. Same polarity direction insertion with screws and hooks for secured and easy installation.
3. Standard output voltage 12.8V; maximum continuous output current up to 8A.
4. Safe shorts circuits technology prevents overcharging and safe operation.
5. Each battery has overcharge and over discharge protection circuits; overcharge protection voltage 3.9V; over-discharge protection voltage 2.0V.
6. Smart management circuits ensures balanced charging and discharge states.
7. Four 32650 high-capacity rechargeable LFP batteries installed in a MB-80 can be interchangeable with one MB-70 rechargeable sealed lead-acid battery. Refer to MA-707 / 708 / 808 specifications for charge and standby times.
8. Net Weight: 245 grams / 8.6 ounces (case only, excluding 4 batteries).
9. Dimensions: 89.5 (W) × 101 (H) × 69.5 (D) mm (same dimensions as MB-70, 12V/4.5Ah).
10. Flame retardant class V0.

General LFP Battery Specifications & Capacity Characteristics

Type	32650 high capacity (Optional)	32650 standard capacity	32700 high capacity	26650 standard capacity	26650 high capacity
Capacity	5.0Ah	4.0Ah	5.0Ah	2.3Ah	3.0Ah
Dimensions (D × L)	32 × 65 mm 1.3 × 2.6 "	32 × 65 mm 1.3 × 2.6 "	32 × 65 mm 1.3 × 2.6 "	26 × 65 mm 1 × 2.6 "	26 × 65 mm 1 × 2.6 "
Weight (1 cell)	Approx. 130 g 4.6 oz	Approx. 125 g 4.4 oz	Approx. 140 g 4.9 oz	Approx. 82 g 2.9 oz	Approx. 84 g 3.0 oz
MB-80 Weight (battery included)	Approx. 780 g 27.5 oz	Approx. 760 g 26.8 oz	Approx. 820 g 28.9 oz	Approx. 588 g 20.7 oz	Approx. 596 g 21.0 oz

Accessories - Batteries & Others

Replacement Rechargeable Batteries

MB-10

14.8V/2.6AH rechargeable Lithium battery for MA-100 & MA-303



MB-15

32650 LiFePO battery for MB-80 inside MA-707, MA-708 & MA-808



MB-25

14.8V/2.6AH rechargeable Lithium battery for MA-101B & MA-202B



MB-30

12V/2.9AH rechargeable Sealed Lead-Acid battery for MA-705



MB-35

22.2V/4.5AH rechargeable Lithium battery for MA-505



MB-70

12V/4.5AH rechargeable Sealed Lead-Acid battery for MA-707, MA-708 & MA-808



MB-80

12.8V rechargeable LFP battery case for MA-707, MA-708 & MA-808



Stands

MS-11

For MA-101ACT



MS-30

For MA-100, MA-101B, MA-202B & MA-303



MS-70

For MA-505, MA-705, MA-707, MA-708 & MA-808



MS-90

For MA-303



Storage | Carry Bags

SC-10

For MA-100 & MA-101B



SC-20

For MA-202B



SC-30

For MA-303



SC-50

For MA-505 & MA-705



SC-70

For MA-707



SC-75

For MA-708



SC-80

For MA-808



Extension Speakers

MA-101EXP

For MA-101ACT



MA-303AXP

For MA-303 (active speaker)



MA-505EXP

For MA-505 (10-meter cable included)



MA-707EXP

For MA-707 (10-meter cable included)



MA-708EXP

For MA-708 (10-meter cable included)



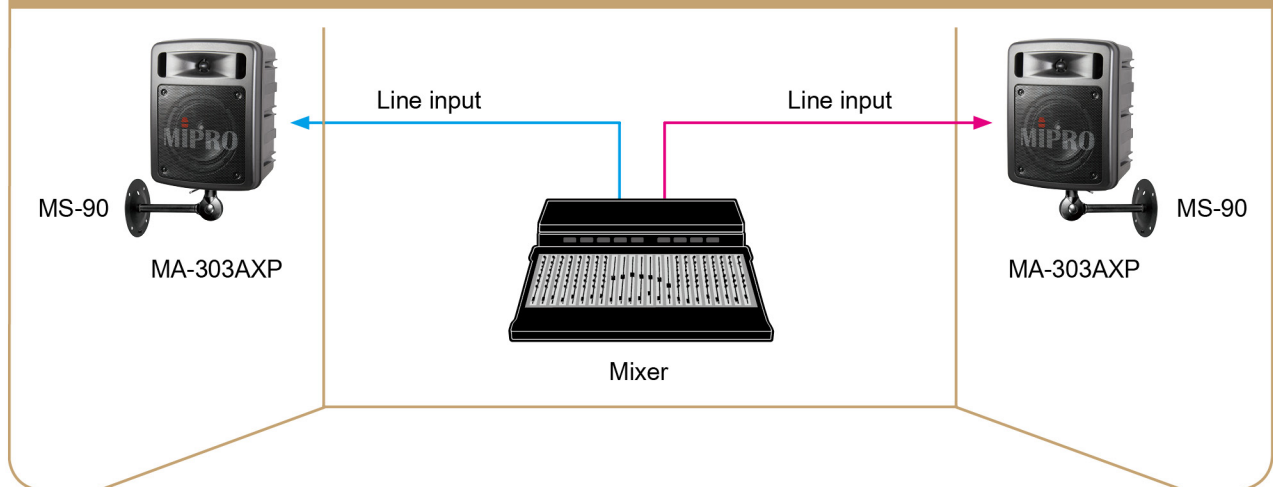
MA-808EXP

For MA-808 (10-meter cable included)

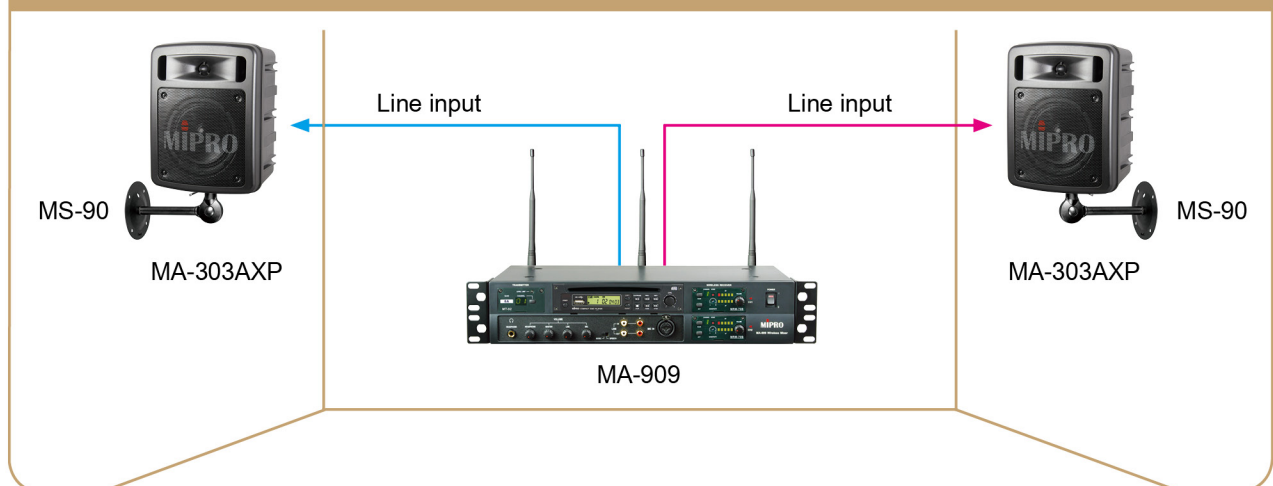


MA-303AXP Application

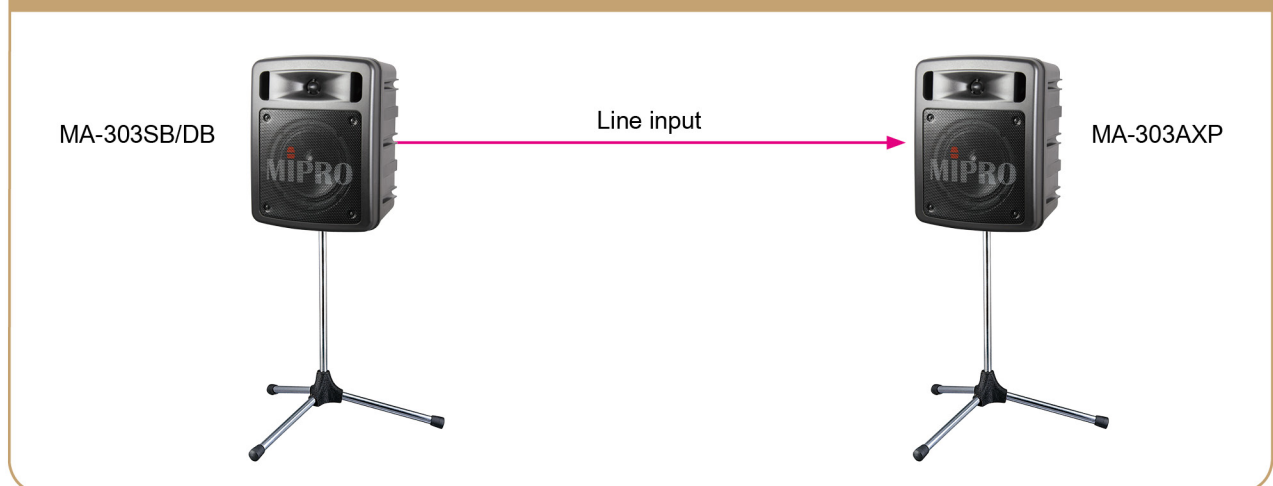
MA-303AXP Active Speaker (Line input) Application # 1 - Mixer output to MA-303AXP line input



MA-303AXP Active Speaker (Line input) Application # 2 - MA-909 line output to MA-303AXP line input



MA-303AXP Active Speaker (Line input) Application # 3 - MA-303 line output to MA-303AXP line input



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Recipient of the prestigious “Financial Times-Standard Chartered 2014 Taiwan Business Awards”

MIPRO president, Solomon Chang, received the “Economic Contribution Award”



Benjamin Hung, Chief Executive Officer, Greater China, Standard Chartered Bank (left) and David Pilling, Asia Editor, Financial Times (right)

MIPRO has won the Economic Contribution Award for small to medium enterprises at the 2014 Financial Times-Standard Chartered Taiwan Business Awards. The event was held during the Financial Times-Standard Chartered Taiwan Economic Summit, which took place on 3rd July, 2014. The Taiwan Business Awards have been designed to highlight achievements by Taiwanese companies and entrepreneurs in innovation, sustainable development and competitiveness and recognizes their contribution to the Taiwan economy. MIPRO was the only SME enterprise to win the Economic Contribution Award, which recognizes companies that are making an outstanding contribution to the country's economy.


MICROPHONE PROFESSIONALS

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