MIPRO®
MICROPHONE PROFESSIONALS

2010
Product Catalog

Portable Wireless PA Systems

MA-808

MIPRO

MIPRO®
MICROPHONE PROFESSIONALS

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Portable Wireless PA Systems

Personal Portable PA Systems

MA-101c Personal Portable PA System

Shoulder strapped, Portable, Lightweight and Easy to Use

Don't be misled by the compact size of this highly efficient portable PA. Lightweight and powerful, it can be hand carried, shoulder strapped, on a flat surface or mounted on a mic stand. Ideal for use in kindergartens or primary schools, worship places, presentations, seminars, trade shows, auctions, tours, political events or any outdoor/indoor location where good quality speech announcements are a requirement.

Specifications

Weight	3.2kg (7.0lbs.)
AF Power Output	30W(RMS) / 4Ω
T.H.D.	<0.1%
Frequency Response	60Hz~15KHz
Speaker	5-inch, full-range
Audio Input	6.3mm Microphone Input & 3.5mm Line Input
Operation Mode	Direct operation on speaker unit
Power Supply	Built-in 12V/2.9AH rechargeable battery, charger & 100~240V AC switching power supply
Charging & Operating Time	8 hours continuous use per 4 hours charge (automatic charging management)
Dimensions(mm/in.)	160 W x 178 H x 285 D (6.3 W x 7.0 H x 11.2 D)
Exterior Color	Black
Approvals & Patent	New style patents and safety regulations approved

Wired Handheld Microphone

MM-107   Wired handheld microphone

MA-101c Accessories

MB-30   Replacement Rechargeable Battery
MS-30   Tripod Stand
SC-10   Storage & Carry Bag

Parts:

- Shoulder strap for mobility
- Fixed Handle
- Power
- Power Switch/ Volume Control
- Charging Indicator
- Auxiliary Input Jack
- DC Power Input Jack
- Microphone Stand Mount
- Mic-in Jack
- Speaker

Key Features

- Powerful 30-watt RMS sound.
- Lightweight, Can be shoulder carried and truly portable.
- Full-range high efficiency 5" loudspeaker.
- Line-input for iPod and other CD/MP3 players.
- Line-output for external recordings.
- AC & Battery power modes
- 8 hours continuous operation per charge.
- Built-in storage compartment
- Wired microphone only. (No wireless option)
- Handles crowds up to 200.

Ideal Applications

- Playground duty, day-care activities.
- School classrooms.
- Indoor & outdoor gatherings/meetings
- Places of worships
- Rallies & demonstrations.
- Shipping center presentations.
- Page applications.

Can be shoulder carried, matched with handheld microphones, headworn microphones, lavalier microphones and can be also put on a tripod speaker stand.

Personal Portable Wireless PA Systems

MA-101a   Personal Portable Wireless PA System with ACT
MA-101   Personal Portable Wireless PA System

Shoulder Strapped, Ultra Lightweight & Ultra Easy to Use

Don't be misled by the compact size of this highly efficient portable PA. Lightweight and powerful, it can be hand carried via built-in handle or shoulder strap, on a flat surface or mounted on a stand.

MA-101

MA-101a

Specifications

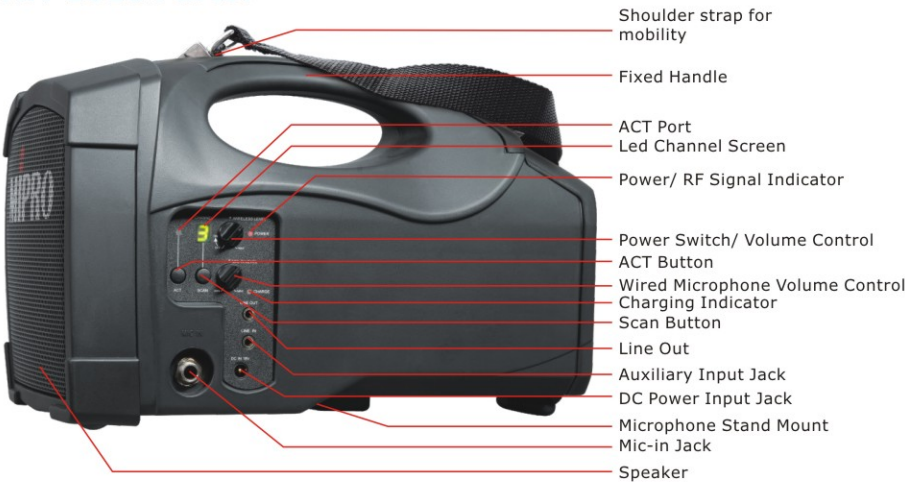| Models	MA-101a	MA-101
Receiver Channels	Built-in UHF 16 channels	Built-in UHF or VHF 1-fixed channel
Weight	3.1kg / 6.8lbs.	3.1kg / 6.8lbs.
AF Power Output	30W(RMS) / 4Ω, 42W(max) / 4Ω	
T.H.D.	<0.1%	
Frequency Response	60Hz~15KHz	
Speaker	5-inch, full-range	
Audio Input	6.3mm Microphone Input & 3.5mm Line Input	
Operation Mode	Direct operation on speaker unit	
Power Supply	Built-in 12V/2.9AH rechargeable battery, charger & 100~240V AC switching power supply	
Charging & Operating Time	8 hours continuous use per 4 hours charge (automatic charging management)	
Dimensions(mm/in.)	160 W x 178 H x 285 D mm (6.3 W x 7.0 H x 11.2 D in.)	
Exterior Color	Black	
Wireless Receiver	UHF band. PLL 16 switchable channels with Autoscan and ACT fuctions.	UHF or VHF band. Quartz-controlled fixed.
Approvals & Patent	New style patents; Telecom and safety regulations approved	

Wireless Transmitters

MH-801	UHF Handheld Microphone (fixed)
MT-801a	UHF Bodypack Transmitter (fixed)
MH-203	VHF Handheld Microphone (fixed)
MT-103a	VHF Bodypack Transmitter (fixed)
ACT-707H	UHF Handheld Microphone (PLL)
ACT-5T	UHF Bodypack Transmitter (PLL)

MA-101 / MA-101a Accessories

MB-30	Replacement Rechargeable Battery
MS-30	Tripod Stand
SC-10	Storage & Carry Bag

MH-801
MT-801a   Handheld Microphone / Bodypack Transmitter

MH-203
MT-103a   Handheld Microphone / Bodypack Transmitter

ACT-707H Handheld Microphone
ACT-5T   Bodypack Transmitter

MA-101a Parts:

- Shoulder strap for mobility
- Fixed Handle
- ACT Port
- Led Channel Screen
- Power/ RF Signal Indicator
- Power Switch/ Volume Control
- ACT Button
- Wired Microphone Volume Control
- Charging Indicator
- Scan Button
- Line Out
- Auxiliary Input Jack
- DC Power Input Jack
- Microphone Stand Mount
- Mic-in Jack
- Speaker

Key Features

- Same features as MA-101c, plus
- Built-in UHF or VHF fixed frequency receiver (MA-101)
- Built-in industry's 1st UHF diversity receiver with 16 scanable frequencies (MA-101a)
- Industry's 1st ACT feature for syncing transmitter frequency
- Fastest and easiest channel set-up with "SCAN" & "ACT".
- Up to 2 mics can be used simultaneously (1 wireless & 1 wired)
- Handles crowds up to 200.

Ideal Applications

- Playground duty, day-care activities
- School classrooms
- Indoor & outdoor gatherings
- Corporate presentations, seminars and meetings
- Security and safety marshals
- Rallies & demonstrations
- Shopping center presentations
- Page applications
- Marriage celebrants

Personal Portable PA Systems

MA-202 Ultimate Personal Portable Wireless PA System

Ultra Portable Shoulder Strapped and Multi-function

Don't be misled by the compact size of this highly efficient portable PA. Lightweight and powerful, it can be hand carried via built-in handle or shoulder strap, on a flat surface or mounted on a stand.

NEW

Specifications

AF Power Output	40W(RMS) / 4Ω, 56W(max) / 4Ω
T.H.D.	<0.1%
Frequency Response	50Hz~18KHz
Speakers	1" treble and 5" woofer
Operation Mode	Direct operation on PA system
Audio Inputs	Microphone & Line input. 6.3Φ (1/4") phone-jack connector. Separate volume controls.
USB & SD card player	LCD displays up to 9,999 tracks, play and pause tracks
Wireless Receiver	UHF 16 switchable channels. AutoScan and ACT technology
Wireless Microphones	Handheld or body pack with lavaliere, head worn or instrument cable
Frequency Range	620~934MHz
Bandwidth	24MHz
Preset Channels	16 non-interfering channels
Antennas	Integrated
Power Supply	Built-in 12V / 2.9AH rechargeable battery or optional 14.8V / 3AH lithium & 18V DC / 100~240V AC switching power supply
Charging & Operating Time	4 hours (automatic charging system) for up to 8 hours usage
Weight	With MB-25: 3.1Kg / 6.8lbs. With MB-30M: 4.1Kg / 9.0lbs.
Dimensions(mm/in.)	163 W x 206 H x 306 D (6.4 W x 8.1 H x 12 D in.)
Patents & Approvals	New designs. Complies with worldwide telecommunication and safety regulations
Note	Available frequencies and RF power output depend upon applicable country regulations.

Wireless Transmitters

ACT-202T   Handheld Microphone - Rechargeable

MA-202 Accessories

MB-25	Lithium Polymer Rechargeable Battery
MB-30M	12V/2.9AH Rechargeable Battery
MS-30	Tripod Stand
SC-20	Storage Cover

Key Features

- Same features as MA-101a, plus
- Powerful 56-watt audio output with 2-way speakers.
- Fastest and easiest channel set-up with "SCAN" & "ACT".
- USB port and SD card reader.
- 8 hours continuous operation per charge.
- A smart 4-segment rechargeable battery meter.
- Built-in transmitter charger and microphone battery meter.
- Built-in storage compartment
- Up to 2 mics can be used simultaneously (1 wireless & 1 wired)
- Line-input & output.
- Handles crowds up to 400.

Ideal Applications

- Playground duty, day-care activities
- School classrooms
- Indoor & outdoor gatherings
- Corporate presentations, seminars and meetings
- Security and safety marshals
- Rallies & demonstrations
- Shopping center presentations
- Page applications

Parts:

- Shoulder strap for mobility
- Fixed Handle
- Speaker
- LED Channel Screen
- SCAN Button
- ACT Button
- LCD Channel Screen
- Master Power / Wireless Mic Volume Control
- Power / RF Signal Indicator
- SD Card Indicator
- SD Card Socket
- Mic Battery Fuel Gauge Indicator
- MP3 Player
- USB Port
- Power Fuel Gauge Indicator
- MP3 Volume Control / MP3 Power
- DC Power Input Jack
- Line In Volume Control
- Auxiliary Input Jack
- Wired Mic Volume Control
- Mic-in Jack

Portable Wireless PA Systems

MA-705 Multi-Functional Portable Wireless PA System

Weighing under 10kg and delivering a huge 50 watts of power, the MIPRO 705 has set a new benchmark for performance in Portable Public Address Systems.

Specifications

Power Output	50W(RMS)/8Ω, 70W(max)/8Ω
T.H.D.	< 0.1%
Frequency Response	50Hz~18KHz
Antenna	Built-in
Speaker	8-inch full-range
Operating Mode	Direct operation on speaker unit
CD Player	Built-in
Cassette Recorder / Player	External
Audio Input	RCA jack line-input, Combo jack input
Audio Outputs	1 REC output, RCA jacks
Power Supply	Built-in two pieces of 12V/2.9AH rechargeable battery with charger & 100~240V AC switching power supply.
Charging Time	6 Hours (automatic charging management)
Operating Time	6~7 Hours
Dimensions	285 W x 400 H x 225 D mm (11.2 W x 15.7 H x 8.9 D in.)
Weight	9.8kg / 21.6lbs.
Exterior Color	Black

UHF Wireless

MRM-70	Single 16-channel Diversity Receiver Module
ACT-707H	Handheld Microphone
ACT-5T	Body Pack Transmitter

MA-705 Accessories

CDM-2	CD Player Module with USB port and Remote
MB-30	Replacement Rechargeable Battery
MA-705EXP	Passive Extension Speaker
MS-70	Tripod Stand
SC-50	Storage Cover

Parts:

Fixed Handle

Skip-free CD player(optional)

Power Switch
2 Plug & Play Wireless Receiver Modules
Voice Priority Switch
Echo Control
Extension Speaker Socket
XLR & 1/4" Combo Jack
RCA Line-In & Line-out jacks
Tone Control & Volumes

Heat Sink

AC Switching Power Input Socket

Built-in Rechargeable Batteries

Stand Mount

CDM-2 CD Player Module

MRM-70 Plug-in UHF Receiver Module

ACT-707H Handheld Microphone
ACT-5T   Bodypack Transmitter

Key Features

- HUGE 50 Watts RMS Audio Output
- Weighs less than 10kg
- CD Player with USB port and a remote control
- Up to 2 diversity 16-channel receiver modules
- VOP (voice over priority) & Echo features added.
- Up to 8 Hours of Operation from Built-in Rechargeable batteries
- XLR and Line Level Inputs & Line Output
- Extension Speaker Output
- Up to 3 mics can be used simultaneously (2 wireless & 1 wired)
- Can be Stand or Table Mounted
- Handles crowds up to 500

Ideal Applications

- Indoor & outdoor seminars and assemblies
- Places of worship
- Auctions
- Shopping center presentations
- Marriage celebrants

Portable Wireless PA Systems

MA-707 Portable Wireless PA System

Portable PA System - With Flexibility and Power

This powerful 70 watt system provides excellent, full range music reproduction as well as quality intelligible speech. The Retractable handle and the built-in sturdy wheels make transport of the MA707 easy and convenient.

Specifications

Power Output	70W(RMS) / 4Ω, 100W(max) / 4Ω
T.H.D.	< 0.1%
Frequency Response	50Hz~18KHz
Antenna	Built-in
Speaker	8-inch full-range
Operating Mode	Direct operation on speaker unit
CD/MP3 Player	Optional
Cassette Recorder/ Player	Optional
Audio Inputs	Balanced, Unbalanced MIC & LINE-in
Power Supply	Built-in two pieces of 12V/4.5AH rechargeable battery with charger & 100~240V AC switching power supply.
Charging Time	8 Hours (automatic charging management)
Operating Time	6~8 Hours
Dimensions(mm/in.)	310 W x 445 H x 240 D mm (12.2 W x 17.5 H x 9.4 D in.)
Weight	14.8kg / 32.6lbs.
Plug-in VHF or UHF Receiver Module	MA-707VM / MA-707UM
Exterior Color	Black

UHF Wireless

ACT-707H	Handheld Microphone
ACT-5T	Bodypack Transmitter

MA-707 Accessories

CDM-2P	CD Player Module with USB port and Remote
7AE018	Cassette Player & Recorder with Pitch Control
MB-70	Replacement Rechargeable Battery
MA-707EXP	Passive Extension Speaker
MS-70	Tripod Stand
SC-70	Storage Cover

CDM-2P CD Player Module

Cassette Player

MRM-70 Plug-in UHF Receiver Module

MA-707VM / MA-707UM
Plug-in UHF or VHF Receiver Module

ACT-707H Handheld Microphone
ACT-5T Bodypack Transmitter

Key Features

- Retractable handle and sturdy wheels ensure portability over any distance.
- 70 watt RMS power for speech and full range, high quality music outdoors or indoors.
- Up to 4 mics can be used simultaneously (2 wireless & 2 wired).
- Accepts up to two fixed or variable wireless microphone receivers.
- Up to 8 Hours of Operation from Built-in Rechargeable batteries.
- Built-in storage compartment for microphones.
- CD Player or recordable cassette tape deck (or both).
- Line-input & output.
- AC & Battery power modes.
- Extension Speaker Output
- Robust, heavy duty housing
- Suitable for tripod, floor or desk mount
- Handles crowds up to 700

Ideal Applications

- Seminars, conferences and trade shows
- Aerobics
- Parades and fetes
- Shopping centre presentations and promotions
- Sporting functions
- Church services and weddings

Parts:

- Fixed Handle
- Retractable Carry Handle
- Transmitters Storage
- Skip-free CD/MP3 Player(Optional)
- Dual charger for mic battery
- 2 Plug & Play Wireless Receiver Modules
- Cassette Tape Player/Recorder
- Power Switch
- Pitch Control
- Extension Speaker Socket
- Wired Microphone Socket
- Master Control Panel
- Extension DC Input Jack
- AC Switching Power Input Socket
- Built-in Dual Rechargeable Batteries
- Trolley Wheels

Portable Wireless PA Systems

MA-708   Premium Portable PA System

This versatile package delivers a powerful 120-watt of exceptionally clear sound reinforcement, whether for music or speech. A host of innovative features and impressive performance make it an ideal portable PA system for a wide range of applications.

NEW

Specifications

Power Output	120W(RMS) / 4Ω, 170W(max) / 4Ω
T.H.D.	<1%
Frequency Response	50Hz~18KHz
Speakers	1" horn tweeter, 8" woofer
Crossover network	2.8KHz, -12dB/Oct
Audio Input	RCA jack line-input, Combo jack input
Audio Outputs	1 REC output, RCA jacks.
Operation Mode	Direct operation on PA system
CD/MP3 Player	Optional
Wireless Receiver	UHF 16 switchable channels. AutoScan and ACT technology
Wireless Microphones	ACT Handheld or Bodypack Transmitter
Frequency Range	620~934MHz
Bandwidth	24MHz
Preset Channels	16 non-interfering channels
Antennas	Integrated
Power Supply	Built-in 12V/4.5AH rechargeable battery x 2 & 18V DC / 100~240V AC switching power supply.
Rechargeable	Built-in intelligent battery system
Charging & Operating Time	8 Hours (automatic charging system) for 6~7 hours operation
Dimensions(mm/in.)	336 W x 545 H x 325 D mm (13.2 W x 21.5 H x 12.8 D in.)
Weight	16.3kg / 35.9lbs.

UHF Wireless

MRM-70	Single 16-channel Diversity Receiver Module
MRM-72	Dual 16-channel Diversity Receiver Modules
ACT-707H	Handheld Microphone
ACT-5T	Bodypack Transmitter
ACT-3Ha	Handheld Microphone

MA-708 Accessories

CDM-2	CD Player Module with USB port and Remote
MTM-90	Wireless Interlinking Transmitter
MB-70	Replacement Rechargeable Battery
MA-708EXP	Passive Extension Speaker
MS-70	Tripod Stand
SC-75	Storage Cover

MRM-70 Plug-in UHF Receiver Module

MRM-72 Plug-in UHF Receiver Modules

MTM-90 Wireless interlinking Transmitter

Key Features

- 170-watt powerful and clear sound for crowds up to 1,000.
- 8" woofer & 1" horn tweeter.
- Extremely rugged design with retractable handle and sturdy wheels.
- Up to 4 wireless microphones can be used simultaneously.
- Retractable handle with sturdy wheels ensure portability
- A voice priority feature that mutes the music when mic is used.
- A smart 4-segment rechargeable battery meter for accurate battery reading and charging status.
- Echo effect control so singers sound fuller and richer.
- Industry's only MTM-90 wireless interlinking transmitter to interlink multiple MIPRO MA-708 portables wirelessly to greatly extend transmission range and expand coverage.
- Active limiter keeps sounds clean when driven hard.
- Built-in storage compartments for transmitters.
- 3 power modes: AC, rechargeable battery and direct DC.
- Up to 8 hours of operation from built-in rechargeable batteries.
- Lightweight - Just 16kg / 35lbs - loaded.

Ideal Applications

- Corporate presentations, seminars and meetings
- Sporting events
- Aerobics and fitness centers
- Shopping centre presentations and promotions
- Church services and weddings
- Hotels, Musical Productions, rallies, theme parks
- Military, law enforcements, fire / rescue events
- Press conferences, auctions and trade shows

Parts:

MTM-90 Wireless transmitter
MRM-72 Wireless receiver modules (Optional)

CDM-3 Player (Optional)

Receiver Modules
DC Power Switch

Battery Meter Indicators

Control Panel

Heat Sink

AC Input Socket

DC Input Jack

Battery holder

Trolley Wheels

ACT-707H/ACT-3Ha Handheld Microphone
ACT-5T Bodypack Transmitter

Portable Wireless PA Systems

MA-808 Ultimate Portable PA System

The MA-808 is MIPRO's flagship portable PA system. This all-in-one package delivers a powerful 250-watt of exceptionally clear sound reinforcement, whether for music or speech. A host of innovative features and impressive performance make it an ideal portable PA system for a wide range of applications.

Specifications

Power Output	180W(RMS)/4Ω, 250W(max)/4Ω
T.H.D.	<1%
Frequency Response	50Hz~18KHz
Treble Speaker	1.5" Compression Driver
Bass Speaker	10" Neodymium Cone Driver
Active Crossover Filter	2.5kHz / -12dB oct
Operating Mode	Direct operation on speaker unit
3-in-1 Recorder/Player	Optional
Audio Input	RCA jack line-input, Combo jack input
Audio Outputs	1 REC outputs, RCA jacks
Power Supply	Built-in two pieces of 12V/4.5AH rechargeable battery with charger & 100~240V AC switching power supply.
Charging Time	8 Hours (automatic charging management)
Operating Time	5~6 Hours
Dimensions(mm/in.)	360 W x 560 H x 350 D mm (14.2 W x 22.0 H x 13.8 D in.)
Weight	20.5kg / 45.2lbs.
Receiver Module	MRM-70 and MRM-72
Exterior Color	Black

UHF Wireless

MRM-70	Single 16-channel Diversity Receiver Module
MRM-72	Dual 16-channel Diversity Receiver Module
ACT-707H	Handheld Microphone
ACT-5T	Bodypack Transmitter
ACT-3Ha	Handheld Microphone

MA-808 Accessories

CDM-2	CD Player Module with USB port and Remote
MTM-90	Wireless Interlinking Transmitter
MB-70	Replacement Rechargeable Battery
MA-808EXP	Passive Extension Speaker
MS-70	Tripod Stand
SC-80	Storage Cover

MRM-70 Plug-in UHF Receiver Module

MRM-72 Plug-in UHF Receiver Modules

MTM-90 Wireless interlinking Transmitter

ACT-707H/ACT-3Ha ACT-5T Handheld Microphone Bodypack Transmitter

Key Features

- HUGE 250-watt power and 123dB SPL for crowds up to 2,000
- Class-D/AB amplifiers drive 2-way speakers
- Extremely rugged design with retractable handle and sturdy wheels
- Up to 4 wireless microphones can be used simultaneously
- Retractable handle with sturdy wheels ensure portability
- A voice priority feature that mutes the music when mic is used
- A smart 4-segment rechargeable battery meter for accurate battery reading and charging status
- Echo effect control so singers sound fuller and richer
- Industry's only MTM-90 wireless interlinking transmitter to interlink multiple MIPRO MA-808 portables wirelessly to greatly extend transmission range and expand coverage
- Active limiter keeps sounds clean when driven hard
- Built-in storage compartments for transmitters
- 3 power modes: AC, rechargeable battery and direct DC
- Up to 6 hours of operation from built-in rechargeable batteries
- Only 20kg / 45lbs - loaded

Ideal Applications

- Corporate presentations, seminars and meetings
- Sporting events
- Aerobics and fitness centers
- Shopping centre presentations and promotions
- Church services and weddings
- Hotels, Musical Productions, rallies, theme parks
- Military, law enforcements, fire/rescue events
- Press conferences, auctions and trade shows

Parts:

- Fixed Handle
- Retractable Carry Handle
- Transmitters Storage
- Optional
- Skip-free CD Player (Optional)
- Receiver Modules
- Power Switch
- Fuel gauge indicator
- Voice Priority switch
- Wired Microphone Socket
- Master Control Panel
- Heat Sink
- AC Switching Power Input Socket
- Built-in Rechargeable Batteries
- DC Input Jack
- Trolley Wheels

Fixed Wireless PA Systems

MA-101ACT Wireless IR Remote-Control PA System

Same personal wireless microphone can be operated in multiple rooms.

This exciting and innovative PA system can be installed simply and easily. It is designed to allow each teacher to carry their own personal wireless microphone from classroom to classroom. Once the wireless amplified monitor speakers have been installed in each classroom, the teacher can then activate each individual system via their own microphone. It allows them to remotely turn the system on and off as well as to adjust the volume. An external audio source such as a CD, Cassette or MiniDisc player can also be connected to the remote microphone and heard through the monitor speaker system.

Specifications

Power Output	40W(RMS)/4Ω, 56W(max)/4Ω,
T.H.D.	<0,1%
Frequency Response	60Hz~15KHz
Speaker	5-inch full range
Receiver Module	Built-in detachable 1 UHF PLL receiver module with 97 selectable channels
Matching Microphone	MT-101ACT
Antennas	Built-in
Audio Inputs	Transmitter accepts MIC & LINE input
Transmitter Battery	Built-in rechargeable batteries and charger attached
Operation Mode	Remote controlled with ACT multi-functional transmitter
Power Supply	Built-in 100~240V AC switching power supply
Charging Time	2 hours
Operating Time	24 hours
Applications	Classrooms or multi-area installations
Dimensions	190 W x 275 H x 155 D mm (7.5 W x 10.8 H x 6.1 D in.)
Weight	2.3kg / 5.1lbs.
Exterior Color	Black
Approvals	Complies with telecommunication and safety regulations

UHF Wireless

MT-101ACT   Personal Wireless Microphone

MA-101ACT Accessories

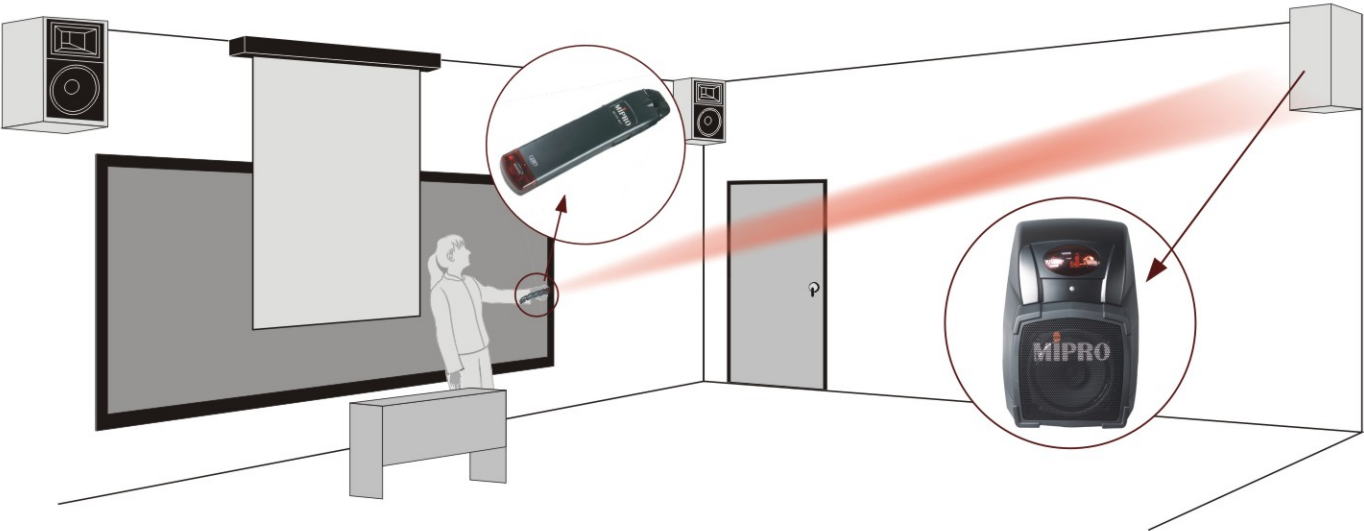|	
MA-101AXP	Passive Extension Speaker
PC-11	Frequency Changer Remote Control
MP-101ACT	Wireless Microphone Charger
MS-11	Wall-mounting Rack

MA-101AXP
Extension Speaker

PC-11
Remote Control

MP-101ACT
Microphone Charger

MS-11
Wal-mounting Rack

Key Features

- Each fixed-install MA-101ACT delivers a powerful 56 watts output.
- Each wireless amplified speaker can be programmed, set-up in every classroom for interference-free operation.
- Easy speaker fixed mounting to wall or ceiling.
- Built-in antenna for both transmitter and receiver.
- Lightweight, slim and compact personal transmitter microphone can be hand-held or worn around the neck.
- Same transmitter has a line input (3.5mm) for external audio connection like portable media player for sound amplification or lavalier/headworn microphone.
- Side controls for volume and level switch.
- Transmitter powered via built-in rechargeable batteries, saving considerable expense.
- 24 hours usage per 2~3 hours fast charge

Ideal Applications

- Multiple classrooms
- Multiple corporate and hospitality rooms.
- Factory, museum tours or similar environments

Diversity Receiver Modules
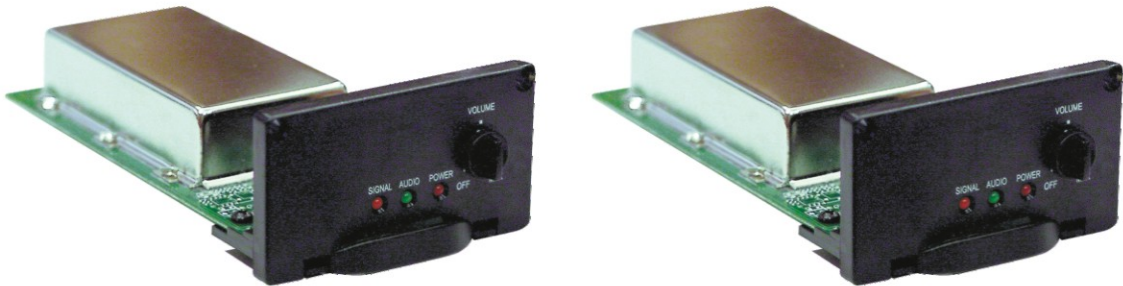
MRM-70 / MRM-72 UHF Receiver Modules

MRM-70 is a single-channel wireless receiver module fitted for MA-705, MA-707, MA-708 and MA-808 portables. MRM-72 is a dual-channel wireless receiver module fitted for MA-708 and MA-808 portables only. It can also fit other PA amplifiers, mixers, active powers, signal processors and other karaoke players. Its innovative wireless features and performance add value to these systems.

UHF band and PLL technology are utilized to avoid the often congested VHF band. Diversity and advanced circuitry are incorporated to eliminate signal dropouts and random noise interference. The main features and benefits are:

- Press "SCAN" button to auto-scan and lock for one of the 16 interference-free receiver channels.
- Press the "ACT" button syncs the receiver and transmitter frequencies automatically.
- Bright and easy-to-read LED displays numeric channel and RF & AF strengths.
- Receiver "Sensitivity" level can be sensitivity adjusted to prevent interference.
- Reliable true diversity reception with dual "Pilotone & NoiseLock" circuit prevents interferences.
- Modularized design allows easy installation, maintenance and DIY.

Specifications

Frequency Range	620~934 MHz
Oscillation Mode	PLL synthesized
Bandwidth	24MHz
Preset Channels	16 Non-interference channels
Receiving Mode	CPU-controlled diversity receiving
Squelch Control	Innovative " PiloTone & NoiseLock" dual-squelch circuit
Display Status	Noise indicator clearly display if a receiver is under the state of interference.
Sensitivity	6dBμV, at S/N>80dB
Max. Deviation Range	±68KHz
Spurious Emissions	<82dB
Frequency Response	60Hz~15KHz(Overall system)
S/N Ratio	>100 dBA
T.H.D.	<0.5% @ 1KHz (Dev.=40KH)
AF Output	610mV rms
Power Supply	DC 12~15V
Current Consumption	<190 mA
Working Temperature	-10℃~60℃
Dimensions	MRM-70: 75 W x 35 H x 141 D mm (3.0 W x 1.4 H x 5.6 D in.) MRM-72: 220 W x 57 H x 190 D mm (8.7 W x 2.2 H x 7.5 D in.)
Weight	MRM-70: 126g(4.4 oz.) / MRM-72: 622g(21.9 oz.)
Transmitters	ACT-707H Handheld and ACT-5T Bodypack transmitters

MA-707UM / VM UHF / VHF Receiver Modules

- Easy operation with fixed frequency design(for MA-707)
- Longest transmission range in its class
- Modularized design allows easy installation, maintenance and DIY.

Specifications

Model	MA-707UM	MA-707VM
Frequency Range	UHF 620-934MHz	VHF 160-250MHz
Display Status	RF and AF meter LEDs	
Max. Deviation Range	±68KHz	±22KHz
Oscillation Mode	Quartz Controlled	
Sensitivity	6dBμV, at S/N>80dB	12dBμV, at S/N>80dB
Preset Channels	1	
Frequency Adjustment	Fixed Frequency	
Receiving Mode	Diversity	
T.H.D.	<0.5%@1KHz	
Frequency Response	50Hz~15KHz	
Squelch	Innovative " PiloTone & NoiseLock" dual-squelch circuit	
Dimensions	74 W x 41 H x 145 D mm (2.9 W x 1.6 H x 5.7 D in.)	
Weight	128g / 4.5oz.	

(MTM-90 pictured)

MT-90 / MTM-90
Wireless Interlinking Transmitter

- Press "SCAN" button to scan for one of the 16 interference-free receiver channels.
- Modularized design for easy operating, assembling, and maintenance.
- MTM-90 fits MA-708 and MA-808 portables.

Specifications

Frequency Range	620~934MHz
Oscillation Mode	PLL
Bandwidth	24MHz
RF Output Power	10mW / 100mW (switchable)
Max. Deviation	68KHz
Spurious Emissions	<-45dBm
Receiving Mode	Diversity technology
Dimensions (W x H x D)	MT-90: 65 x 34.5 x 165 mm (2.6 x 1.4 x 6.5 in.) MTM-90: 220 x 57 x 190 mm (8.7 x 2.2 x 7.5 in.)
Weight	MT-90: 80g(2.8oz.) MTM-90: 140g(4.9oz.)

CD Player Modules

CDM-7
IR Multi-Media Digital Player Module

- Integrated CD, SD card and USB player, in a 164mm x 40.5mm color VFD display
- Built-in real-time encoder to compress music and voice form CD and microphone into memory card with MPEG format. Plays CD and compressed music files.
- Built-in card reader supports up to 32GB SD memory card and SDHC format.
- Convenient "DUP" duplicate function ensures recording compressed audio files from CD to SD card in one-click.
- On-board control or detachable remote control

CDM-5
IR Multi-Media Digital Player Module

- Integrated CD, SD card and USB player, in a 164mm x 40.5mm color VFD display.
- Built-in card reader supports up to 32GB SD memory card and SDHC format.
- USB port for easy connectivity and playing.
- On-board manual control or detachable, wireless remote control.
- Supports audio CD, MPEG1 format.
- Plays VCD and MPEG2 video files.

CDM-2P CD / USB Player

- Selection and Search
- Tracks programmable
- Random & Repeat Playback
- USB Port
- Wireless remote control included
- A>B zone memory programmable
- Plays standard 12cm (5-inch) audio CD
- For MA-707 only

CDM-2 CD / USB Player

- Selection and Search
- Tracks programmable
- Random & Repeat Playback
- USB Port
- Wireless remote control included
- A>B zone memory programmable
- Plays standard 12cm (5-inch) audio CD
- For MA-705, MA-708 and MA-808

Batteries

MB-25
Lithium polymer replacement battery for MA-202

MB-30M
12V/2.9AH replacement battery for MA-202

MB-30
12V/2.9AH replacement battery for MA-101/101a/101c/705

MB-70
12V/4.5AH replacement battery for MA-707/708/808

Stands

MS-30
MA-101/202 tripod stand

MS-70
MA-705/707/708/808 stand

Storage Bags

SC-10
MA-101 Storage and carry bag

SC-20
MA-202 Storage and Carry Bag

SC-50
MA-705 Storage cover

SC-70
MA-707 Storage cover

SC-75
MA-708 Storage cover

SC-80
MA-808 Storage cover

Passive Extension Speakers

MA-101AXP
Extension Speaker for MA-101ACT(wired)

MA-705EXP
Extension Speaker for MA-705(wired)

MA-707EXP
Extension Speaker for MA-707(wired)

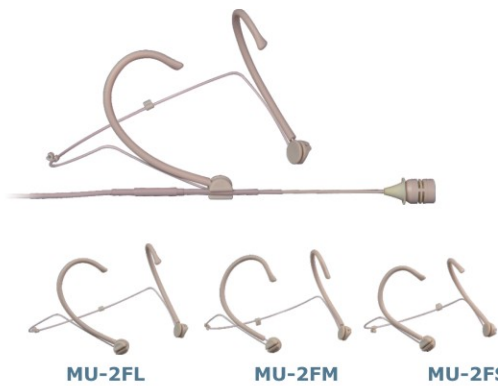## MA-708EXP
Extension Speaker for MA-708(wired)

MA-808EXP
Extension Speaker for MA-808(wired)

Headworn / Earworn Microphones

MU-210
Dual-sided Headworn Microphone

MU-2FL   **MU-2FM**   **MU-2FS**

MU-23
Dual-sided Headworn Microphone

- Lightweight, ergonomic frames are available in three different sizes (large / midde / small) to fit different performers.
- Secure fit around the ears prevent falling off during performances.
- Detachable microphone capsule design allows easy set-up and maintenance with the headworn frame and connecting cable.
- Available for an ultra low-profile 3mm capsule diameter with high sensitivity omni-directional condenser (MU-23) and 10mm sized uni-directional condenser (MU-210). Sweat-proof and replaceable foams.
- The microphones are available in different connectors.
- Very thin yet rugged microphone capsule boom can be bent and adjusted in any directions and positions.
- The patented, swiveling earhook design allows an inward rotating for a secure directional position.

Models	MU-23	MU-210
Capsule Module	3mmΦ subminiature omni-directional condenser microphone	10mmΦ uni-directional miniature condenser microphone
Frequency Response	40Hz~20KHz	50Hz~18KHz
Sensitivity	-52±3dBV/Pa(0dB=1V/Pa)	-46±3dBV/Pa(0dB=1V/Pa)
Maximum SPL	138dB(Typical , 1%THD)	142dB(Typical , 1%THD)
Capsule-shaft holder	Dual-left and right side	Dual-left and right side
Plug	MIPRO's mini XLR 4 pin plug	MIPRO's mini XLR 4 pin plug
Cable Length	150 cm / 59.1"	150 cm / 59.1"
Color	Beige	Beige
Weights	Approx. 22g / 0.8oz	Approx. 27g / 1.0oz

MU-13
Single-sided Earworn Microphone

MU-2FL   **MU-2FM**   **MU-2FS**

Specifications

Capsule Diameter	3mmΦ omni-directional condenser capsule
Frequency Response	40Hz~20KHz
Sensitivity	-52dBV±3dBV/Pa (0dB=1V/Pa)
Maximum SPL	138dB (Typical, 1%THD)
Microphone Holder	Single-side
Plug	MIPRO mini 4-pin XLR
Cable Length	150cm / 59"
Color	Beige
Weight	Approx. 16g / 0.56oz

- Featuring a proprietary over-the-ear design for a secure, ultra comfortable fit with or without glasses.
- Exceptionally lightweight, rugged and unobtrusive microphone.
- Subminiature, 3mm diameter capsule.
- Soft yet flexible thin boom can be adjusted to an ideal fit for performers.
- Each set comes with small, medium and large sizes earworn frames for a universally fit with different ear sizes and shapes.
- Detachable microphone module can be worn on the left or right side and removed easily from a detachable cable for replacement or servicing.
- Sweat and moisture resistant with supplied protective cap.
- Maximum gain-before-feedback and rejection of breath, wind and ambient noises.
- High dynamic range and able to withstand a maximum 138dB SPL.
- Warm, natural sound quality. Optimized for speech applications for presenters, educators, worship leaders and pastors, broadcasters and theater, studio applications.

Lavalier Microphones

MU-53L / MU-53LS
Uni-directional Lavalier Microphone

Miniature 10mmφ. High gain before feedback. Warm, clear sound.

MU-55L / MU-55LS
Omni-directional Lavalier Microphone

Sub-miniature 4.5mmφ. Low visibility. Extended frequency response.

- Featuring a high dynamic range and able to withstand a maximum SPL of 142 dB without distortion.
- Available in black and beige colors.
- Supplied as standard with MIPRO's 4-pin mini XLR plug.
- Features a smooth, warm, natural sound.
- Sub-miniature MU-55L has waterproof characteristic

Specifications

Models	MU-53L / MU-53LS	MU-55L / MU-55LS
Capsule Module	10mmΦ uni-directional miniature condenser microphone	4.5mmΦ subminiature omni-directional condenser microphone
Frequency Response	50Hz~18KHz	40Hz~20KHz
Sensitivity	-46dBV±3dBV/Pa(0dB=1V/Pa)	-49dBV±3dBV/Pa(0dB=1V/Pa)
Maximum SPL	142dB (Typical, 1%THD)	135dB (Typical, 1%THD)
Plug	MIPRO's mini XLR 4 pin plug or TA4F	MIPRO's mini XLR 4 pin plug or TA4F
Cable Length	150 cm / 59.1"	150 cm / 59.1"
Color	Black or Beige color	Black or Beige color
Weights	Approx. 19g / 0.7oz	Approx. 14g / 0.5oz

Features Comparison Chart

Models / Feature	MA-101a	MA-202	MA-705	MA-707	MA-708	MA-808
Crowd Size	200	400	500	700	1000	2000
Power Output	30W(rms) / 40W(max)	40W(rms) / 56W(max)	50W(rms) / 70W(max)	70W(rms) / 100W(max)	120W(rms) / 170W(max)	180W(rms) / 250W(max)
Amplifier	Class AB	Class D	Class AB	Class AB	Class D	Class D + Class AB
Speaker	5" Full Range	1" Treble, 5" Woofer	8" Full Range	8" Full Range	1" Compression Driver / 8" Woofer	1.5" Compression Driver / 10" Woofer
Power Modes	AC/Battery	AC/Battery	AC/Battery	AC/Battery & DC Jack	AC/Battery & DC Jack	AC/Battery & DC Jack
Maximum Receiver	1	1	2	2	4	4
Receiver Installed Method	Built-in	Built-in	Plug-in	Plug-in	Plug-in	Plug-in
Frequency Band	UHF	UHF	UHF	UHF	UHF	UHF
Preset Frequency	16 Selectable Channels	16 Selectable Channels	16 Selectable Channels	16 Selectable Channels	16 Selectable Channels	16 Selectable Channels
AutoScan & ACT	Yes	Yes	Yes	Yes	Yes	Yes
Transmitters	ACT-707H, ACT-5T	ACT-202T	ACT-707H, ACT-5T	ACT-707H, ACT-5T	ACT-707H, ACT-5T, ACT-3Ha	ACT-707H, ACT-5T, ACT-3Ha
Microphone Input	6.3mm (1/4") X 1	6.3mm (1/4") X 1	Combo Jack x 1	XLR & 1/4" x 1	Combo Jack x 1	Combo Jack x 1
Wireless Interlinking Systems	N/A	N/A	N/A	N/A	MTM-90	MTM-90
Rechargeable Battery	Built-in MB-30 x 1	Built-in MB-30M x 1	Built-in MB-30 x 2	Built-in MB-70 x 2	Built-in MB-70 x 2	Built-in MB-70 x 2
Charging Time	4 Hours	4 Hours	6 Hours	8 Hours	8 Hours	8 Hours
Operation Time	6~8 Hours	6~8 Hours	6~7 Hours	6~8 Hours	6~7 Hours	5~6 Hours
CD/USB Player	External	Built-in USB Port	CDM-2	CDM-2P	CDM-2/5/7	CDM-2/5/7
CD/SD Card Player & Recorder	N/A	Built-in SD Card Player	CDM-5/7	N/A	CDM-5/7	CDM-5/7
Voice Over Priority	N/A	N/A	Yes	N/A	Yes	Yes
Echo	N/A	N/A	Yes	N/A	Yes	Yes
Battery Charging Meter	N/A	Transmitter & Battery	N/A	N/A	Battery	Battery
Built-in Retractable Handle & Wheels	N/A	N/A	N/A	Yes	Yes	Yes
Stand Mount	Microphone	Microphone	Speaker	Speaker	Speaker	Speaker
Shoulder Strap	Yes	Yes	N/A	N/A	N/A	N/A
Line-Input	3.5mm	6.3mm	RCA x 1	6.3mm	RCA x 1	RCA x 1
Line-Output	3.5mm	N/A	RCA x 1	6.3mm	RCA x 1	RCA x 1
Built-in Storage	Bodypack x 1	Handheld x 1	N/A	Handheld or Bodypack x 2		
Storage Bag	SC-10	SC-20	SC-50	SC-70	SC-75	SC-80
Tone Control	N/A	N/A	Yes	Yes	Yes	Yes
Passive Extension Speakers	N/A	N/A	MA-705EXP	MA-707EXP	MA-708EXP	MA-808EXP
Dimensions(WxHxD)	160 x 178 x 285mm / 6.3 x 7.0 x 11.2"	163 x 206 x 306mm / 6.4 x 8.1 x 12"	285 x 400 x 225mm / 11.2 x 15.7 x 8.9"	310 x 445 x 240mm / 12.2 x 17.5 x 9.4"	336 x 545 x 325mm / 13.2 x 21.5 x 12.8"	360 x 560 x 350mm / 14.2 x 22 x 13.8"
Weight	Approx. 3.1kg / 6.8lbs.	Approx. 4.1kg / 8.8lbs.	Approx. 9.5kg / 20.9lbs.	Approx. 14.8kg / 32.6lbs.	Approx. 16.3kg / 35.9lbs.	Approx. 20.5kg / 45.2lbs.
Note	Refer to actual product in the event of product discrepancy					