

# MA-708 Portable Wireless PA System

## Introduction

Bringing a host of impressive features and functionalities, 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 and limiter circuitry reduces distortion and increases intelligibility for guaranteed powerful and clear sound. It offers an ideal public address solution for medium to large crowds. Ideal applications include: Schools, Places of worship, Presentations, seminars and meetings, Shopping center & trade show presentations and promotions, Aerobic & fitness centers, Parades & fetes, Street performers, Recreational & social activities, Hobby & leisure clubs, Weddings & funeral services, Auctions.

## Key Features

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



## Transmitters & Microphones

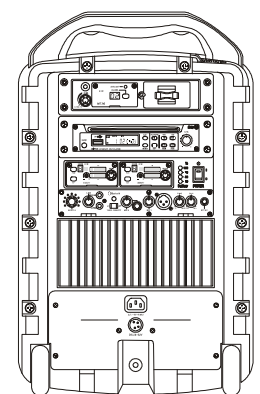
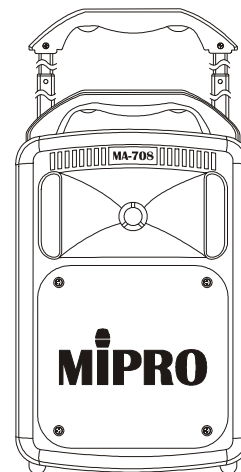
<b>ACT-32H   32HR   32HC</b>	Handheld Transmitter for MRM-70B   MRM-72B
<b>ACT-32T   ACT-32TC</b>	Bodypack Transmitter for MRM-70B   MRM-72B
<b>VT-22   ST-32   ET-32</b>	Instrument Transmitter for MRM-70B   MRM-72B
<b>ACT-24HC   ACT-24TC</b>	Handheld   Bodypack Transmitter for MRM-24
<b>ST-24   ET-24   MT-24</b>	Instrument Transmitter for MRM-24
<b>MM-107</b>	Wired Supercardioid Dynamic Microphone

## Accessories

<b>MB-70</b>	Sealed Lead-acid Rechargeable Battery (12V, 4.5AH)
<b>MB-80</b>	Lithium Iron Phosphate (LFP) Rechargeable Battery (12.8V)
<b>SC-75</b>	Storage Cover Bag
<b>MS-70</b>	Tripod Speaker Stand
<b>MA-708EXP</b>	Passive Extension Speaker
<b>MRM-24</b>	2.4 GHz Digital Receiver Module
<b>MRM-70B</b>	Single-Channel Diversity Receiver Module
<b>MRM-72B</b>	Dual-Channel Diversity Receiver Module
<b>MTM-92</b>	Wireless Interlinking Transmitter Module

## Technical Specifications

Portable PA	
Max. Power Output	190 W
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 & 6.3mm (1/4")×1; Wireless: UP to 4 wireless microphones; 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 – 240 V AC switching power supply (Max. Power Consumption: 220 W) DC & Battery: 24 – 32 V DC, 12V/4.5AH rechargeable gel cell battery (MB-70×2) 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 or white option
Dimensions (W × H × D)	336 × 545 × 325 mm   13.2 × 21.5 × 12.8"
Weight	Approx. 16.3 kg   36 lbs (MB-70 batteries included)
Wireless System (optional)	
Receiver	MRM-70B or MRM-72B with Scan & ACT sync   MRM-24 with Scan & ACT sync
Max. Receiver	Up to 4
Frequency Range	UHF 480 – 934 MHz (country dependent)   2.4 GHz
Preset Channels & Bandwidth	16 preset channels in 24 MHz frequency bandwidth.   12 preset channels in 83.5 MHz frequency bandwidth.
Installation	Plug-in Module
Antenna	Built-in
Audio Player (optional)	
Model	CDM-2A   CDM-2   CDM-2B   CDM-3A   DPM-3
Installation	Plug-in Module



# Touchboards

205 Westwood Ave, Long Branch, NJ 07740  
 Phone: 866-94 BOARDS (26273) / (732)-222-1511  
 Fax: (732)-222-7088 | E-mail: sales@touchboards.com



## MIPRO Electronics Co., Ltd

Headquarters: 814 Pei-kang Road, Chiayi, 60096, Taiwan  
 Tel: +886.5.238.0809 | Fax: +886.5.238.0803  
 www.mipro.com.tw | mipro@mipro.com.tw



## Battery Usage & Maintenance Tips for Your MIPRO Portable PA System

The typical lifespan of a well-maintained lead-acid battery is approximately two years. How the battery is used and maintained plays a big role in its longevity. Here are some quick tips to help you get the most out of the batteries in your MIPRO Portable PA Systems : MA-707, MA-708, MA-808

Always charge the batteries in your MIPRO Portable PA before and after each use.

Always power off both the PA system and the transmitters when not in use to conserve battery power.

Sealed lead-acid batteries do not like deep cycling. Each full discharge will put strain on a battery and diminish battery life. To prevent batteries from being stressed through repeated, full discharges, we recommend charging the system anytime it is not in use. Leaving the system plugged into a power outlet for long periods of time will not harm or damage the system or its batteries. The charger will not over charge the batteries; the built-in automatic protection circuitry will automatically shut-off when the system is fully charged.

For proper maintenance of a sealed lead-acid battery, it is important to fully charge the battery at least every two to three months. The battery may become incapable of holding a charge if it is left uncharged for long periods of time.

Heat is by far the largest factor when it comes to reducing battery life. The optimum operating temperatures for sealed lead-acid batteries are between 20-25° C (68-77° F). As a guideline, every 8-10° C (46-50° F) rise in temperature cuts the battery life in half. When a portable PA system is operating outdoors and in direct sunlight, the temperature inside the unit could easily exceed the 10° C (50° F) rise in temperature noted above. Consequently, the reduction in usage hours could be as much as 75% when compared to operating at optimal operating temperature. To prolong battery operating time, you may find it helps to place the unit under a shade to shield it from direct sunlight. Otherwise, it may be necessary to plug the unit into an AC outlet for operation on extremely hot days. Remember to always store a portable PA system with rechargeable batteries in a cool, dry place.

At some point, replacement of the batteries in your MIPRO Portable PA System will be inevitable. When the time comes, we strongly recommend only using batteries recommended by MIPRO.

