



Owner's Manual

**COMPACT POWERED SPEAKER**  
with integrated cassette player/recorder

## Important Safety Instructions

For your own safety you must read this section in full first!



### **Intended use**

This device is intended exclusively for the transmission of audio signals according to this manual and the specifications given here. By using it in any other way you face the **risk of electric shock**. No warranty claims will be granted for damage resulting from improper use!

### **⚠ Risk of electrical shock!**

- Connect the device only to a properly wired and earthed electrical wall socket providing one of the mains voltages listed in the chapter “Technical specifications” of this manual.
- NEVER operate the device if the power plug or power cord is damaged.
- NEVER submerge the device in water. Liquid getting into the device will risk a short circuit and will be hazardous.
- NEVER expose the device to direct precipitation or moisture and never use it in a damp or wet environment.
- Do not subject the device to high temperatures, direct sunlight, severe vibrations, shocks or tremors, or excessive dust.
- Ensure that the power cord does not become wet during operation.
- You must NEVER open the housing of the device or try to repair it. There are no user serviceable parts inside. Warranty will become void if you open the housing and you face the **risk of electric shock**.
- Do not place objects containing fluids, e.g. flower vases or beer bottles, on or near the device.
- Notice regarding power disconnection:  
To disconnect the device from the power source the power plug must be removed from the power socket. For this reason the device should be placed in a position where a constant unobstructed access to the power socket is assured, thus in an emergency situation you are able to immediately pull out the power plug. To eliminate the risk of fire you must completely disconnect the power plug from the power socket after the device has been used.
- Always grasp the power cord by the plug. Do not pull on the cord itself and never touch the power cord with wet hands as this could result in a short circuit or an electrical shock. Do not place the device, other speaker cabinets or anything else on the power cord and make sure that it does not become clamped. Place the power cord in a position where it can not be trod on. A damaged power cord can cause a fire or an electrical shock. Check the power cord from time to time. Should it become damaged contact our customer service centre to have it replaced.

### **⚠ Risk of fire!**

- NEVER leave the device unattended while it is switched on.
- Do not place any open sources of fire, like candles, on the device.
- Never operate the device in the vicinity of heat sources such as cookers, heating elements, lighting equipment, smoke machines, or other heat producing installations.
- When a thunderstorm with the risk of lightning threatens please disconnect the device from the mains power.

### **⚠ Risk of personal injury!**

- Keep the power cord and device away from children. Children frequently underestimate the dangers of electrical equipment.
- Ensure a safe location for the device.
- Do not operate the device if it has sustained a fall or is damaged. Arrange for the device to be checked and/or repaired by qualified technicians.
- **Important!** Keep sufficient distance from the speaker box when operated with high volume level. Listening to music with high sound pressure level may cause permanent damage to your hearing!



## Cleaning and Maintenance

- Disconnect the unit from the mains before any cleaning. Clean the surface of the housing with a damp cloth. Never use cleaning agents that contain petrol, solvents, or any aggressive substance. They could damage the housing's surface.

## Introduction

Thank you for choosing our COMPACT POWERED SPEAKER. In order to perform at its best, please read this manual thoroughly before operating the unit, and retain it for future reference. Please save this manual. The unit has an elegant design, with a rugged and durable case, reliable performance, water resistance with fiber material, unusual PCB device, clear and powerful sound. It is simple to operate.

The unit is suitable for both indoor and outdoor use with duration of 2.5-9 hours, depending on the volume size. Charging time for the unit is about 8 hours. Wheels can fitted for effortless moving around.

Please read this manual carefully so you can take advantages of all the features of the MBA75W MK II. Retain the manual for future reference. Thank you again for making the right choice in purchasing the THE BOX MBA75W MK II.

## Features

- ▶ **Output power 75 watt RMS**
- ▶ **Built-in cassette player, CD -player and wireless UHF microphone transmission**
- ▶ **Microphone requires 2 x 1.5 v AA batteries**
- ▶ **3 inputs for wired audio sources**
- ▶ **Line out and speaker output**
- ▶ **Operation with mains power of built-in rechargeable battery**
- ▶ **Stand flange**
- ▶ **Incl. detachable trolley for easy transportation - 13 kg only!**
- ▶ **Average battery life: approx. 4 (music playback) - 6 h (speech)**
- ▶ **Dimensions: (HxWxD): 440 x 330 x 240 mm**
- ▶ **Weight: approx. 13 kg incl. batteries**
- ▶ **Support for a second wireless microphone optional**

## Useful Data

Please write your serial number here for future reference:

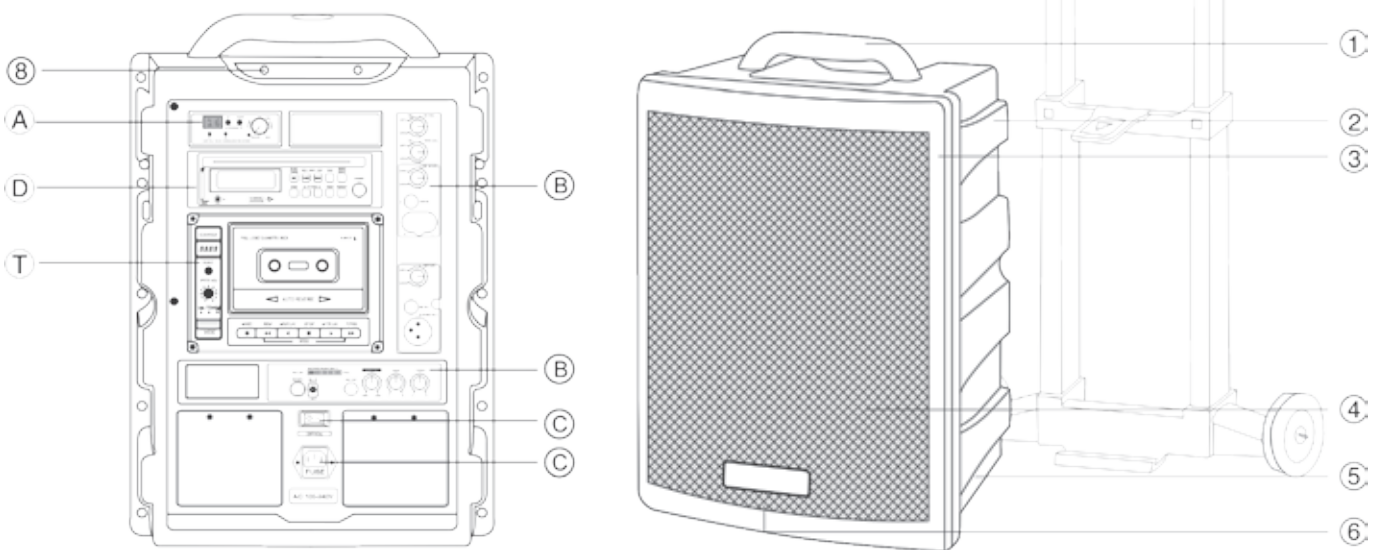
Serial Number:

Data of Purchase:

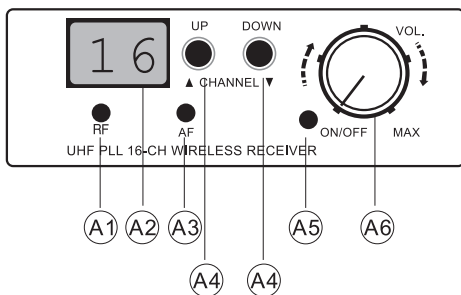
Purchased at:

## Identifying the Parts

1. Carry Handle: Used to carry the unit.
2. Rear housing and plastic fiber case
3. Front Cover
4. Loudspeaker: Built in 8 inch full range woofer speaker.
5. Tripod stand socket: 35mm jack to set up the regular tripod stand on the bottom.
6. Grille cover: Antirust protection design
- 7 Trolley bracket with wheels
8. Trolley wheel socket: To take off the trolley by pressing up fixed socket



## A / Wireless Receiver Module

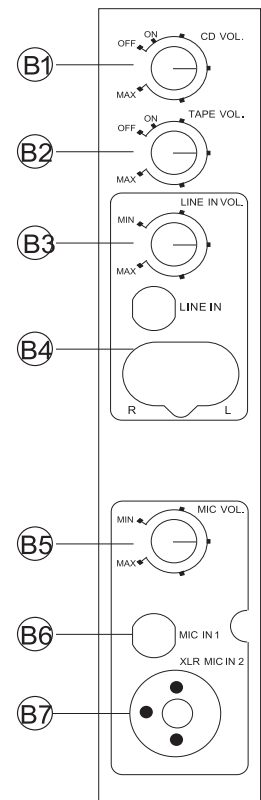


- A1. RF Signal Indicator: The yellow LED "RF" lights up when carrier signal is being received.
- A2. The LED display: When selecting a channel with "A4" controls, the display shows the dialed-in channel.
- A3. AF Signal Indicator: The red LED "AF" lights up when microphone signal is being received.
- A4. Channel selector dial UP/DOWN for 16 users selectable channels.
- A5. Power ON/OFF: Indicator is lit when the device is switched on.
- A6. Volume control: Rotate volume knob clockwise to increase microphone volume to desire level or counterclockwise to decrease volume until the power switch off.

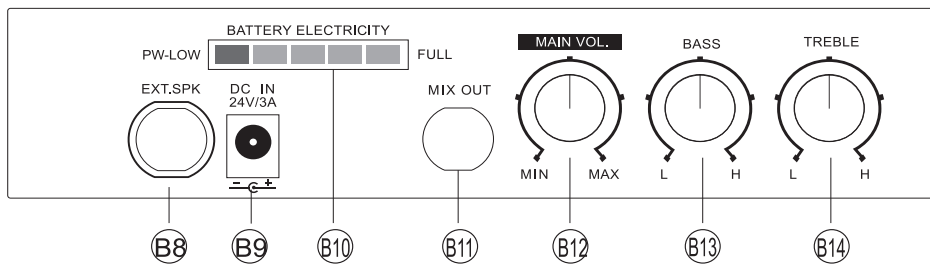
## B / Volume, Tone Quality and Master Control Panel

### -Master Panel Control

- B1. The CD VOL: Volume control with on/off.
- B2. The TAPE VOL.: Tape volume control with on/off.
- B3. Line in VOL: Volume control for external audio input.
- B4. 6.3mm Ø/RCA Audio Line in: To amplify external audio inputs likes CD, DVD.
- B5. The volume control for wired MIC.
- B6. 6.3mm Ø Microphone input jack.
- B7. The balanced input XLR Jack for MIC.



### -Power, Vol. & Tone control



- B8 EXT.SPK - Connect an extension speaker to this socket. This will not disconnect the built-in speaker**
- B9 DC IN 24V/3A socket for using the device with external DC power.**
- B10 BATTERY ELECTRICITY - charge level display for the built-in rechargeable battery**
  - (1). All segments lit - battery fully charged.
  - Only some segments lit - battery power decreased.
  - (2). Connect with AC power, Flashing green: shows the situation for battery charging
  - (3). Solid Red - you should turn on the external power supply.
  - Red signal off - The power has been shut down or device in low battery power.
- B11 MIX OUT: Connect with wireless transmitter or PA broadcasting system.**
- B12 MAIN VOL. - to control the overall (microphone and music) volume level**
- B13 BASS - to control the overall bass level.**
- B14 Treble - to control the overall treble level.**

## C / Power Descriptions



### C1. POWER SWITCH:

- POWER ON (O); POWER OFF (—), make sure the unit is fully turned off to prevent current leakage when not in use.
- The Green flashing lights will be switched off once the batteries are fully charged.

C2. AC MAINS POWER SOCKET: Connect any power voltage between 100-240V here.

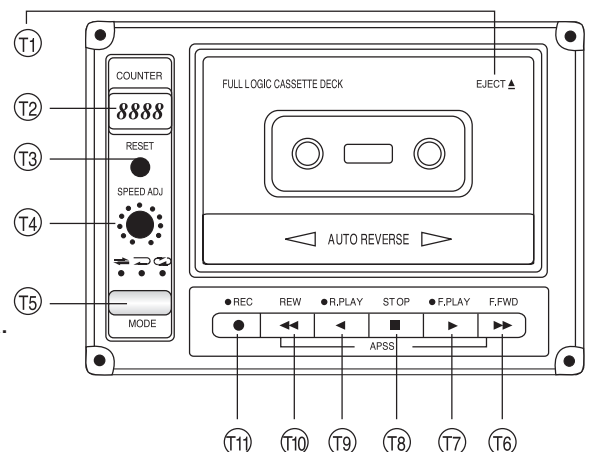
C3. FUSE (20mm x 5A).

Note: To Obtain the optional rechargeable batteries. Make sure to recharge the batteries before using them. The unit cannot be used to rechargeable batteries other than those specifically designed for it.

\* Lead Acid battery 12V/5A (2 pieces).

## T / Location of Tape Controls

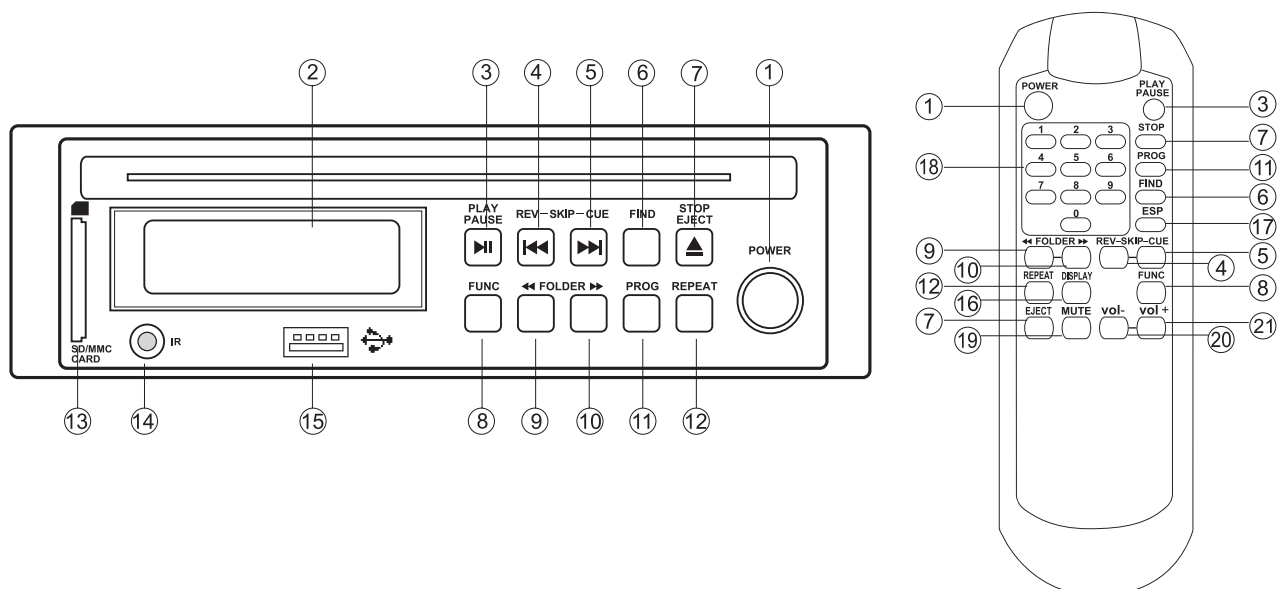
- T1. EJECT: Press here to open the cassette compartment.  
 T2. DIGITAL COUNTER: 4digit LCD counter with back light.  
 T3. RESET: To reset the counter.  
 T4. SPEED ADJUSTMENT: to adjust the tape speed.  
 T5. PLAY MODE SELECTOR:  
 (1) ENDLESS  
 (2) ONE CYCLE  
 (3) REPEAT BOTH SIDES ONCE  
 T6. FAST FORWARD: to wind the tape forward.  
 T7. FORWARD PLAY: to start playback forward.  
 T8. STOP: to stop playback, recording, or winding.  
 T9. REVERSE PLAY: to start playback of the reverse track.  
 T10. REWIND: to rewind the tape.  
 T11. RECORD: to activate the record mode.



### NOTE ON UNIT OPERATION:

Make sure the recorder is turned off by pressing the stop button before turning off the main power switch. The cassette operating switch (B2) is the second switch located on the right hand side, turn anti-clockwise to reduce volume and switch off.

## D / CD/USB/SD/MMC Audio Music Player



1. **POWER:** In power OFF mode, press this key to power the unit up.  
In power ON mode, keep this key pressed for 2 seconds, to power the unit off.
2. **LCD DISPLAY:** Shows CD status including track number and playing time.
3. **PLAY/PAUSE:** Press once to pause playback, press again to restart it.
4. **REV/SKIP:** Press once or several times to select previous track number(s)/file(s).  
During playback keep button pressed for more than 0.7 sec to reverse the playback.
5. **CUE/SKIP:** Press once or several times to select next track number(s)/file(s).  
During playback keep button pressed for more than 0.7 sec to fast forward the playback.
6. **FIND:** In MP3 mode, press this key once to change the search mode to "FILE" search.  
Press this key twice to change the search mode to "ALBUM" search. If you keep this button pressed the track is displayed. Press again to display ID3 TAGs.
7. **STOP/EJECT:** Press to stop playing. Press again to eject the disk gradually.
8. **FUNC:** Press this button to cyclically change the operation mode (CD→USB→CARD).
9. **FOLDER -DOWN:** In stop mode: Skip the starting play folder to previous folder.  
In normal play mode: Skip the playing file to the previous folder's first file.
10. **FOLDER-UP:** In stop mode: Skip the starting play folder to next folder.  
In normal play mode: Skip the playing file to the next folder's first file.
11. **PROG:** Set device to programming mode. If [stop] key is pressed in programming mode, then program is all cleared.
12. **REPEAT:** If this key is pressed in MP3 or USB mode, the PLAY mode is changed cyclically like this:  
PLAY ALL RANDOM→ REPEAT TRACK→ REPEAT FOLDER→ REPEAT ALL→ RANDOM REPEAT→ PLAY ALL  
If this key is pressed in CD mode, PLAY mode is changed cyclically like this:  
PLAY ALL RANDOM→ REPEAT TRACK→ REPEAT ALL→ RANDOM REPEAT→ PLAY ALL
13. **SD/MMC CARD:** This slot accepts SD and MMC cards.
14. **IR:** The infrared sensor receives the signals from the remote control handset.
15. **USB socket:** Connect USB devices here. Although USB flash memory and USB HD devices are supported, we cannot guarantee, that every USB device will be recognized correctly.
16. **DISPLAY:** When playing a MP3 CD, and this key is pressed, the LCD display will be changed cyclically as shown here: Track number and playing Time → total number of songs → name of the playing song → Total number of folders and total number of songs.
17. **ESP:** Press this key in CD mode, the ESP display is lit and the device is now in electronic anti-shock state. The electronic anti-shock time is about 40 seconds.  
Press "ESP" key again, to cancel the ESP function.
18. **Numeric buttons:** Press these buttons, to directly call up a track for playback.
19. **MUTE:** press this key in playing mode to mute the audio output. Press again to recover it.

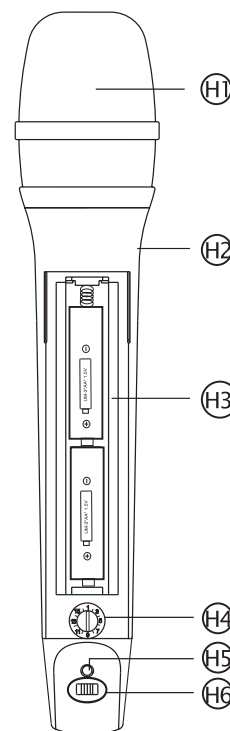
20. VOL-: When this key is pressed, the volume will decrease by 1dB per step, the min. volume is 0dB.
21. VOL+: When this key is pressed, the volume will increase by 1dB per step, the max. volume is 30dB.

**Notes:**

1. When you insert the disk into the CD player or you take out the disk, it is necessary to let the CD player's mechanism draw the disk in and out automatically. You may not push or pull out the disk by hand before the disk is conclusively ejected out of CD slot. Otherwise the CD mechanism will be damaged and normal operation will be terminated.
2. When using the remote control handset, it shall be pointed to the infrared sensor (IR) on the front panel of the unit. The maximum receiving distance is 5 meters. The battery (model CR2025 3V) must be put into the battery compartment of the remote control.
3. Battery installation of remote control handset:  
Press and hold the tenon located on lower left-hand corner of the rear remote controller, pull out the empty battery set by the slot at the right.  
Place the fresh battery (positive electrode faces upwards) according to its correct polarity.  
Push the battery bracket back to the fixed position.
4. If the unit starts to react unreliably to remote controlling, the battery is exhausted and you have to replace it by a fresh one with same specs.

## Handheld Transmitter

- H1. Steel grille: capsule protection to prevent any damage.  
 H2. Aluminium neck ring: logo printing and fixed top and capsule.  
 H3. Battery Compartment: put in 2 x 1.5V batteries here.  
 H4. Channel switch from 1 to 16.  
 H5. Battery indicator: This red light indicator will be flashing when the batteries are almost out of power.  
 H6. Power switch on / off: controls microphone power.



**Note:**  
To prevent leakage remove the batteries if you do not plan to use the unit for a longer period of time.

## Body-Pack Microphone

1. External antenna jack: 1/4" for antenna input jack.
2. Power indicator: The red light indicator will flash once when the body-pack is turned on. The red light indicator will be solid red when the batteries are almost out of power.
3. 3.5mm ø microphone input jack or mini XLR jack.
4. Volume Control: turn clockwise to increase the volume, turn anti-clockwise to decrease volume.
5. Power switch: to power the body-pack on / off.
6. Channel selector: to select the transmission channel from 1 to 16.
7. Buckle is fixed with a screw so that it can conveniently be clipped on the belt.
8. Buckle is fixed on the unit. It can set revolved up to 90° by fingers.
9. Battery compartment for 2 x 1.5V batteries. Align the negative / positive polarities properly when

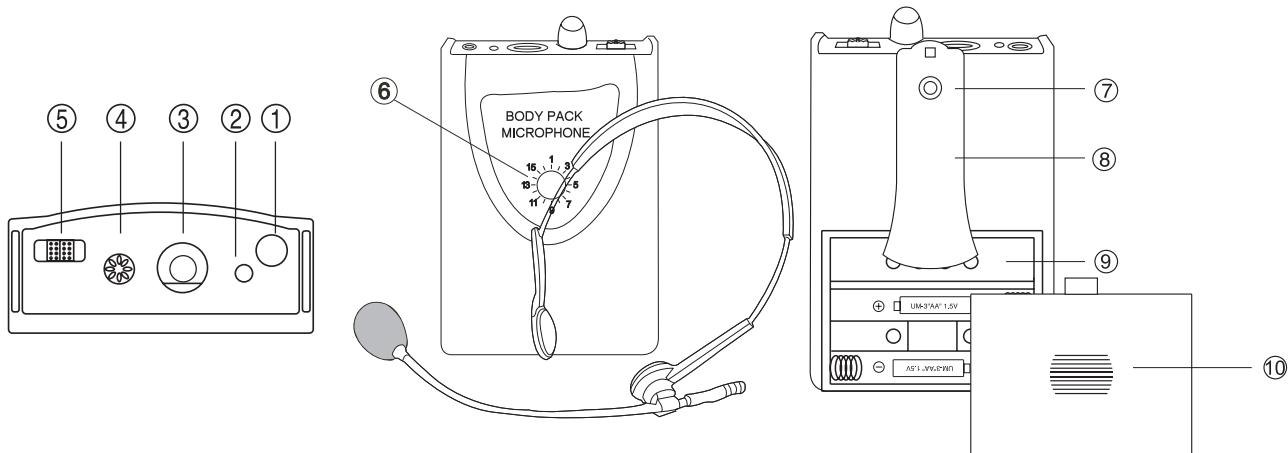
inserting the batteries. Remove the batteries when not been used for a long period of time to keep the batteries life longer and to prevent damages by leakage.

10. Battery compartment cover: detach it before removing/changing the batteries.

Options: Headset or Lavalier microphone.

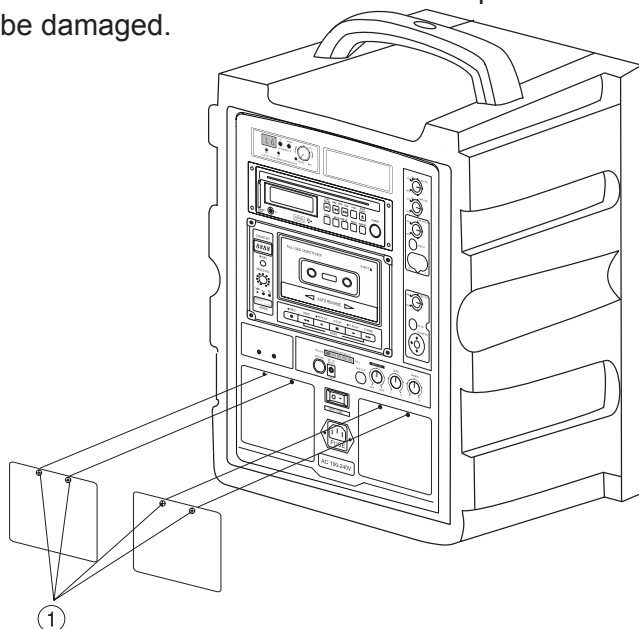
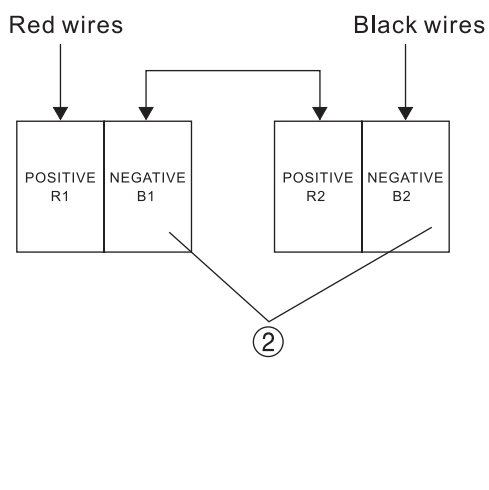
Note on operation:

When using a lavalier microphone, try to place the capsule close to the mouth, but then don't turn up the volume too much.



## Instruction for changing the battery

1. Please switch off the power before changing the batteries.
2. Take out 4 screws ① and remove the battery covers from main panel board. Then take out the batteries. Install batteries 12V/5A into battery compartment.
3. Make sure the battery pack is properly inserted. Then close the cover by tightening up the screws. Connect the red line into positive R1 red line terminal, black line into negative B2 black line terminal. Connect negative B1 and positive R2 to each other.
4. Refer to diagram below for wiring the batteries and take care for correct implementation. Otherwise the device will not work and probably be damaged.



## Note On Unit Installation

1. Position the unit about 1 -1.5 meter above the floor, to get best performance. The bottom plate features a flange for a tripod stand (ST-3B).
2. Adjust the volume to minimum (Main volume control / CD or TAPE volume) by any volume control.
3. When charging the batteries, the green light indicator is blinking. And when the rechargeable batteries are fully charged, the green light indicator will be solid green.
4. The receiving frequency of this unit can be changed. Microphone and main unit must be set to the same transmission channel to ensure correct operation.
5. If you want to connect an extension speaker to the 6.3 mm socket (EXT.SPK), it must have 4Ω impedance and a power capability of at least 100W.

## Troubleshooting And Maintenance Guide

1. Make sure to connect the red and black wires correctly to the positive and negative electrodes when changing the rechargeable batteries.
2. To increase battery service, switch off while not using this unit.
3. When changing receiver module, please switch AC / DC main power to OFF position.
4. Remove the batteries if you do not plan to use the unit for a long period of time. To keep full batteries, please charge them once between 1-2 month without fixed schedule.

Note on Unit:

1. No altering or remodelling, this can cause malfunctioning and risk of live by electric shock.
2. No dropping or strong impacts, this may damage the unit.
3. Do not leave the unit exposed to direct sunlight for long periods of time.
4. Do not use trolley on uneven ground, as this might damage the unit.

## Technical specifications

Model.....	MBA75W MKII
Speaker .....	4ohm / 8" full range
Receiver module.....	UHF PLL Single, 16 user selectable channel
Frequency band.....	UHF
Output power .....	75 watt RMS
Recharging time .....	About 8 hours
Power supply .....	100-240V
Rechargeable battery .....	12V/5Ah (2 pcs)
Frame material .....	Waterproof with plastic steel
Dimensions.....	440 (H) x 330 (W) x 240 (D) mm
Weight .....	13 Kg
Standard package .....	Fixed handle, Trolley wheels
Oscillation mode.....	UHF PLL
Carrier Frequency Range .....	UHF 863-865 MHz
Stability .....	±0.005%
Deviation.....	40 kHz, with level Limiting circuit controlled
Dynamic Range .....	>110dB
S/N Ratio .....	>105dB
T.H.D.....	<0.5%
Squelch Circuit .....	Pilot tone squelch /PLL Synthesized Receiver/Non-Diversity
Frequency Response .....	50Hz~18KHz ± 3dB
Receiver Mode .....	Quartz and Tone Squelch Single Receiver / Non-Diversity PLL system
Wireless Microphone Capsule Type .....	Dynamic Capsule or Condenser Capsule
Transmitter power.....	Approx 10mW
Transmitter Battery .....	1.5Vx2 (1.2Vx2)

As we continuously strive to improve our products, all specifications and appearance are subject to change without prior notice.

## Disposal

**Do not dispose of the device at the end of his operating life in your normal domestic waste. This device is subject to the European Guidelines 2002/96/EC.**



- Have the product disposed of by a professional disposal company or by your communal disposal facility.
- Observe the currently applicable regulations. In case of doubt contact your disposal facility.
- Dispose of packaging materials in an environmentally responsible manner.



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