# PORTABLE MICRO SYSTEM

With Color Changing Light FM Radio and Bluetooth® Wireless Technology

**OWNER'S MANUAL** 

PLEASE READ BEFORE OPERATING THIS EQUIPMENT.

MODEL: MM438

Size: 148.5(W) x 210(H)mm (A5)



- A. Turn the MASTER VOL (Volume) Control Knob on the top of unit to adjust volume level as desired B. Turn the BASS VOL (Volume) Control Knob on the top of unit to adjust the bass level as desired. C. Slide the control knobs of the 5 Band Equalizer up or down to adjust the audio frequency as desired.

  D. Press the Light (Decorative LED Lights) On/Off Button repeatedly to turn On/Off the Decorative LED Lights.
- Press the "1" Button repeatedly to set or reset the color of the Decorative LED Lights.

  Press the "2" "6" Buttons to set or reset the blinking mode of the Decorative LED Lights.

5. When finished listening, press the POWER ON/OFF Button to OFF position to shut off the unit.

BT (Bluetooth) pairing: <u>Eirst time</u> use or re-pairing the unit to a new BT Device, pair as follows:

- Dower on the unit and enter to BT mode as previously instructed. "blue BT" will appear on the display and "BT" in it will blink. The unit also will sound a prompt "Enter to Bluetooth".

   Power on the external BT Device and enter to BT searching mode. Start pairing following the on screen. ructions from the external BT Device. After paired, the unit will sound a prompt "Bluetooth connected" and the BT Indicator will stop blinking. B. If pairing is complete you may now play music and answer calls with your external BT Device.
- Press the II Button on the unit to pause, press again to resume normal playback l Buttons repeatedly to skip tracks.

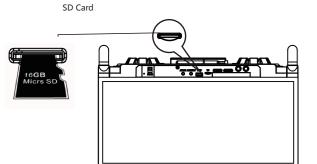
- When the external BT Device searched the unit, our model number "MM438" will appear on the display of external BT Device.
- If while pairing you are asked for a code please try "0000" or "1234".

# Normal operation after pairing:

1. Power on the unit and enter to BT mode as previously instructed. "blue BT" will appear on the display and "BT" in it will blink. The unit also will sound a prompt "Enter to Bluetooth".

#### TF(Micro SD Card) Playback Mode: To plays the music in Micro SD Card:

1. In power off mode, insert the Micro SD Card into the TF (Micro SD Card) Slot on



- 2. Power on the unit by press the Power ON/OFF Switch to ON position. The unit will automatically play the song/music in the Micro SD Card.
- Press the II Button to mute the sound, press again to turn the sound back.
   Press the I or II Button repeatedly to skip tracks.
   Press the Rep (Repeat) Button repeatedly to activate and set (or turn off) the repeat playback mode.

# IMPORTANT SAFETY INSTRUCTIONS



with the limits for a Class B digital device, pursuant t

provide reasonable protection against harmfu nterference in a residential installation. This

Part 15 of the FCC Rules. These limits are designed

equipment generates, uses and can radiate radio requency energy and, if not installed and used in

ccordance with the instructions, may cause harmfu

s no guarantee that interference will not occur in a

ticular installation. If this equipment does cause

rmful interference to radio or television reception

which can be determined by turning the equipmen

off and on, the user is encouraged to try to correct interference by one or more of the following

Reorient or relocate the receiving antenna.

Connect the equipment into an outlet on a

and receiver.

CC WARNING:

technician for help.

Increase the separation between the equipment

circuit different from that to which the receive

Consult the dealer or an experienced radio/TV

his device complies with part 15 of the FCC Rules.

1) This device may not cause harmful interference

received, including interference that may cause undesired operation.

nodifications not expressly approved by the party esponsible for compliance could void the user's

Up to 16 GB Micro SD Card the unit supports to play.

USB Device Playback Mode

To plays the music in USB Device:

violently to avoid damaging the Micro SD Card or the unit. If it doesn't work, please check if the direction is correct

Before replacing Micro SD Card, make sure the unit has been powered off.

2. Power on the unit by press the Power ON/OFF Switch to ON position. The unit

Press the II Button to mute the sound, press again to turn the sound back.

Up to 16 GB USB Device the unit supports to play.
Before replacing USB Device, make sure the unit has been powered off.
When inserting the USB Device, make sure the direction you selected is correct.

Press the l or Il Button repeatedly to skip tracks.
 Press the Rep (Repeat) Button repeatedly to activate and set (or turn off) the repeat playback mode.
 Press the Mode tton repeatedly to switch to other playback mode.

Never insert violently to avoid damaging the USB Device or the unit.

• You also need to download the desired music in MP3 format into the USB Device before insert into the unit.

Power on the unit and enter to Radio mode as previously instructed. Radio frequency will appear on the display.
 Press the I or I Buttons to automatically search and play the previous/next available FM station. Repeat the same procedures until the desired FM station was been searched and play.

A. Receiving the desired FM station as previously instructed, press and holding either "1" – "6" Buttons until

will automatically play the song/music in the USB Device

• When inserting the Micro SD Card, make sure the direction you selected is correct. Never insert

1. In power off mode, insert the USB Device into the USB Port on the rear of unit as the illustrated below:

You also need to download the desired music in MP3 format into the Micro SD Card before insert into the unit.

thority to operate the equipment.

(2) This device must accept any interference

peration is subject to the following two conditions:

DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.

ARNING: TO PREVENT FIRE OR SHOCK HAZARD,

his unit may not have the capability to be connected to an

iction carefully, please note that these are general Before this ingethe male, that sure don't and all operating example this truction agarefully yeld because this truction agarefully yeld because the truction agareful yeld yeld because the truction agarefully yeld because the truction necknoticans amplamay not pertain to your unit. For example

All the safety and operating instructions should be read

The safety and operating instructions should be kept for

All warnings on the appliance and in the operating ructions should be adhered to

5. Do not use this apparatus near water The appliance should not be used near water; for example, near a bath tub, washbowl, kitchen sink, laundry tub, in

6. Clean only with dry cloth The appliance should be cleaned only as recommended by the manufacturer.

 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions. Slots and openings in the cabinet and in the back or bottom are provided for ventilation, to ensure reliable operation of the product and to protect it from overheating. These penings must not be blocked or covered. The opening hould never be blocked by placing the product on a bed sofa, rug, or similar surface. This product should never be placed near or over a radiator or heat source. This produc should not be plased in a built-in installation, such as a bookcase or rack unless proper ventilation is provided or the manufacturer' instructions have been adhered to.

8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide or the third prong are provided for your safety. If the provided plug does not fit into your outlet,

10. Product the power cord from being walked on or pinched

11. Only use attachments / accessories specified by the

12. Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, combination to avoid injury from tip-over. An appliance and cart combination should be moved with care. Quick stop, excessive force and uneven surfaces may cause the appliance and cart

13. Unplug this apparatus during lightning storms or when unused for long periods of time.

To protect your product from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges

14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moistur does not operate normally, or has been droppe

15. Power source This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your appliance dealer or local power company. For products intended to operate from battery power, or other source, refer to the operation

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

18. Object and liquid entry Never push objects of any kind into the product through openings as they may touch dangerous voltage points or short out parts that could result in fire or electric shock. Never spill or spray any type of liquid on the product. 19. Outdoor antenna grounding

to the product, be sure the antenna system is grounded so as to provide some protection against voltage surges and built up static charges. Section 810 of the National Electric Code ANSI/ NFPA 70 provides information with respect to proper grounding of the mast and supporting structure, grounding of the leadin wire to an antenna discharge product, size of grounding conductors, location of antennadischarge product connection to grounding electrodes and requirements for the ground

To listen music from an external Audio Player such as a MP3 Player, Discman ...etc.

3. Power on the unit and enter to AUX IN (Line In) mode as previously instructed.

4. Play the music on the connected Player as usual. (Make sure the volume level of

5. During playback, press the >II Button to mute the sound, press again to turn the sound bac

1. Power on the unit and plays music in any modes as instructed earlier.
2. Connect one end of the Audio Connection Cable (not included) to the AUX/LINE (in) Jack on the external Audio Amplifier.
3. Connect the other end of the cable to the AUX OUT Jack on the rear of unit as the illustrated below:

2. Connect the other end of the cable to the AUX IN (Line In) Jack on the rear of unit as the illustrated below:

1. Connect one end of the Audio Connection Cable (not included) to the AUX

Out/Line Out/Phone Jack on the external Audio Plave

Indicator "LinE" will appear on the display

To listen music from external Audio Amplifier:

Unplug the cable from the jack after use.

AUX Out:

the connected Audio Player is turned to high level.)

Do not attempt to service this product yourself as opening or removing covers may expose you to angerous voltage or other hazards. Refer all servicing to qualified service personnel.

When replacement parts are required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original parts. Unauthorized substitutions may result in fire or electric shock or

22. Safety check Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper

**23. Wall or ceiling mounting**The product should be mounted to a wall or ceiling only as recommended by the manufacturer

> 24. Damage requiring service A. Unplug this product from the wall outlet and refer service to qualified service personnel under the B. When the power- supply cord or plug is damaged C. If liquid has been spilled or objects have fallen into

> If the product has been exposed to rain or wate E. If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions, as an adjustment of other controls may result in damage and will require extensive work by a qualified technician to restore the product to its normal operation.
>
> F. If the product has been dropped or the cabinet has

been damaged. G. When the product exhibits a distinct change in performance- this indicates a need for service.

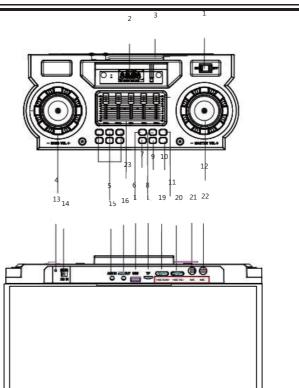
25. Note to CATV system installer This reminder is provided to call the CATV system installer' attention to Article 820- 40 of the NEC that provides guidelines for proper grounding and

in particular, specifies that the cable ground shall be connected to the grounding system of the building. as close to the point of cable entry as practical.

NOTE: Refer all servicing to qualified service personne Servicing is required when the unit has been damaged

NOTE: Referyal/apszicingstor-qualitiod agrifice parcersagio)
Servicing list passibed whem the drift has been damagided interpretational interpretation in the service parcersagided interpretation in the service of the service parcersagided interpretation in the service of the service parcersagided interpretation in the service parcersagided interpretation in the service parcersaging the service introupritatherunitalias been exposed to rain or noisture, the unit has been dropped or the unit does

# **LOCATION OF CONTROLS:**



1. Power ON/OFF Switch 2.LED Display 3.FM Telescope Antenna 4 BASS VOI (Volume) Control Knob 5. "1" - "6" Buttons (Decorative LED Lights Blinking Mode Selection/FM Memory Buttons) 6.Light (Decorative LED Lights) On/Off Button 7.1 Button 8. Rep (Repeat) Button
9. Il Button

10. | Button 11.Mode Button 12. MASTER VOL (Volume) Control Knob 13. Charging Indicator 14. DC IN Jack 15. AUX IN Jack 16. AUX OUT Jack

17. USB Port 18. TF (Micro SD Card) Slot 19. MIC ECHO (Microphone Echo) Control Knob 20. MIC VOL (Microphone Volume) Control Knob 21. MIC 1 Jack 22. MIC 2 Jack

23.5 Bands Equalizer 24. Speakers with Decorative LED Lights 25. Battery Meter

### **OPERATIONS:**

**POWER SOURCE:** 

#### General Operation:

1. Recharged the built in Li-ion battery as previously instructed.

D. Battery life naturally shortens slowly over time.

Z. Press the Power ON/OFF Switch to ON position to power on the unit. The Decorative LED Lights will illuminate. 3. Press the Mode Button repeatedly to switch to desired playback mode. The correspondent indicator will appear (or illuminate) on the display with your selection (see list below

Your battery will last longer if you're following these simple guidelines for charging and storing

C. Do not charge longer than 24 hours. Excessive charging or running the unit until battery fully drains will damage battery. Battery life will be extended if you keep the battery fully charged.

A. Before first time use, charge it approximately 5 hours until the unit is fully charged. B. Recharge and store the unit within the temperature range of  $5^{\circ}C \sim 35^{\circ}C$  ( $40^{\circ}F \sim 95^{\circ}F$ ).

E. The rechargeable battery incorporated in this product is not user replaceable

The unit has a built in Li-ion rechargeable battery, recharge it before use or when it is drained as follow

onnect the small plug from the supplied AC/DC Adaptor to the DC IN Jack on the rear of unit.

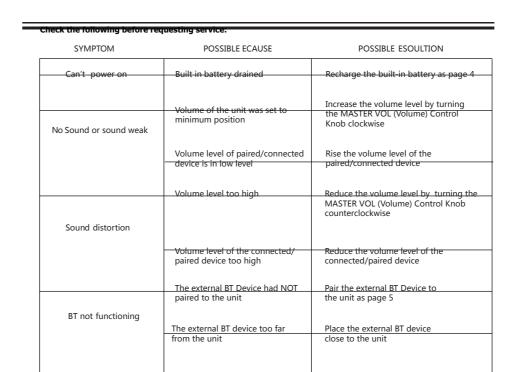
ring charging, the Red Charging Indicator on the rear of unit will illuminate. When finished, it will turn off.

2. Plug the AC/DC Adaptor to the AC wall outlet having AC 100-240V~, 50/60Hz as illustrated below

4. During charging, you can also play and listening music at the same time.

Indicators:
"blue BT" will appear on the display
Indicator "USB TF" on display will illuminate
Indicator "USB TF" on display will illuminate
Radio frequency "XX.X" or "XXX.X" will appear on the display
"LINE" will appear on the display

# TROUBLESHOOTING GUIDE:



## **SPECIFICATIONS:**

Power source:	Built-in DC 7.4V, 1800 mAh (Total 13.32 WH) rechargeable Li-ion
	Battery,
	Recharge by DC 9 V, 1300mA, through DC IN Jack
Radio Frequency:	87.5-108MHz
BT Version:	2.1
BT Operation Distance:	≥32 Feet in open area

SPECIFICATIONS AND ACCESSORIES ARE SUBJECT TO CHANGE WITHOUT NOTICE

### LIMITED WARRANTY

Craig Electronics warrants this product to be free from manufacturing defects in material and workmanship under normal use for a period of 180 days from date of purchase. If service is required, please return the product to the store where it was purchased for exchange; or, pack the unit in the original packing material with all accessories if applicable, a copy of your sales receipt and a Cashier's check or Money Order for \$18 (to cover shipping and handling costs) payable to Craig Electronics Inc. For consumers in Canada, please make sure that the cashier check or money order is redeemable through a U.S. bank. Ship your product freight pre-paid. Your unit will be repaired, replaced or if the unit cannot be repaired or replaced, a refund will be forwarded to you within four weeks of receipt of your unit. Please ship your unit to:

> Craig Electronics Inc 1160 NW 163 Drive Miami, FI 33169

This warranty is void if the product has been: a) Used in a commercial application or rental. b) Damaged through misuse, negligence, or abuse. c) Modified or repaired by anyone other than an authorized Craig service center. d) Damaged because it is improperly connected to any other equipment. Note: This warranty does not cover: a) Ordinary adjustments as outlined in the Owner's

Manual which can be performed by the customer. b) Damage to equipment not properly connected to the product. c) Any cost incurred in shipping the product for repair. d) Damage to the product not used in the USA.

This warranty is not transferable and only applies to the original purchase. Any implied warranties, including the warranty of merchantability, are limited in duration to the period of this expressed warranty and no warranty whether expressed or implied shall apply to the product thereafter.

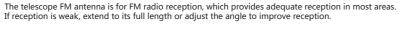
Under no circumstance shall Craig be liable for any loss or consequential damage arising out of the use of this product. This warranty gives specific legal rights. However, you may have other rights which may vary from state to state. Some states do not allow limitations on implied warranties or exclusion of consequential damage. Therefore, these restrictions may not apply to you.

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> To Obtain Service on your Product email:service@craigelectronics.com

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"F XX" appear on the display to store the desired FM station into the memory.

B. Repeat the same procedures until all desired FM stations (Maximum 6 stations) were stored.

C. Press either "1" – "6" Buttons to plays the stored FM station.

To sing or plays the Electric Guitar with the playing music: 1. Power on the unit and plays music in any modes as instructed earlier.
2. Connect the plug from Microphone/Electric Guitar (Not included) to the MIC (Microphone) Jacks on the rear of unit.

3. Turn the MIC VOL (Microphone Volume) Control Knob to adjust the sound level of Microphone/Electric Guita 4. Turn the MIC ECHO (Microphone Echo) Control Knob to adjust the echo effect of Microphone/Electric Guitar.

Note: When the Audio Connection Cable was inserted into the AUX OUT Jack. The sound from speakers will be cut off.

**Note:** If feedback noise (high audio frequency noise) is hearing from the speakers, turn the MIC VOL (Microphone Volume) Knob counterclockwise to reduce the microphone volume level or keep the Microphone away from the speakers.

Power source:	Built-in DC 7.4V, 1800 mAh (Total 13.32 WH) rechargeable Li-ion	
	Buttery,	
	Recharge by DC 9 V, 1300mA, through DC IN Jack	
Radio Frequency:	87.5-108MHz	

# PACKAGE INCLUDES:

Input: AC 100-240 V~, 50/60 Hz, 300mA .; Output: DC 9V, 1300mA ,

SPECIFICATIONS AND ACCESSORIES ARE SUBJECT TO CHANGE WITHOUT NOTICE



