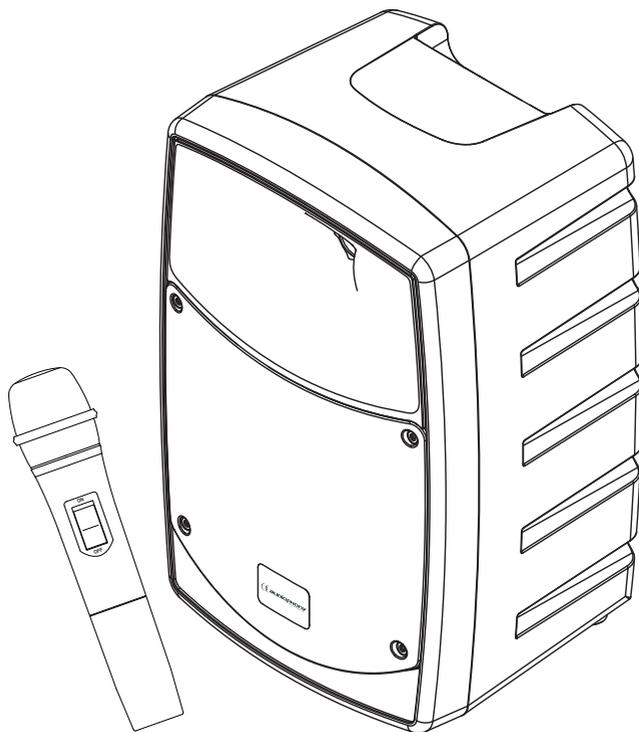
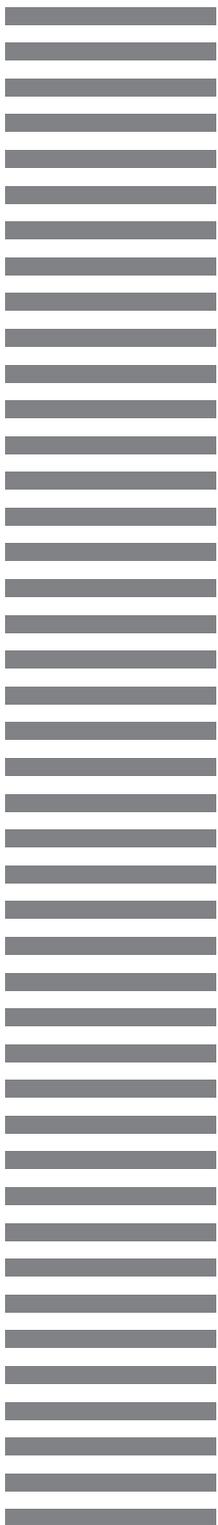


BLUETOOTH® SOUND SYSTEM WITH USB PLAYER & 1 HANDHELD MIC



# CR80A-COMBO

## USER GUIDE

10313 - Version 1 / 12-2014

# 1 - Safety information

## Important safety information



This unit is intended for indoor use only. Do not use it in a wet, or extremely cold/hot locations. Failure to follow these safety instructions could result in fire, electric shock, injury, or damage to this product or other property.



This product contains non-isolated electrical components. Do not undertake any maintenance operation when it is switched on as it may result in electric shock.



Any maintenance procedure must be performed by a CONTEST authorised technical service. Basic cleaning operations must thoroughly follow our safety instructions.



**CAUTION**  
RISK OF ELECTRIC SHOCK  
DO NOT OPEN



**WARNING** : This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact your nearest dealer. In order to avoid any electrical malfunction, please do not use any multi-socket, power cord extension or connecting system without making sure they are perfectly isolated and present no defect.



### Risk of electrocution

To prevent the hazard of electric shocks, do not use extension cords, multi-socket or any other connection system without making sure metal parts completely are out of reach.



### Sound levels

Our audio solutions deliver important sound pressure levels (SPL) that can be harmful to human health when exposed during long periods. Please do not stay in close proximity of operating speakers.



### Recycling your device

- As HITMUSIC is really involved in the environmental cause, we only commercialise clean, ROHS compliant products.
- When this product reaches its end of life, take it to a collection point designated by local authorities. The separate collection and recycling of your product at the time of disposal will help conserve natural resources and ensure that it is recycled in a manner that protects human health and the environment.

## Symbols used



This symbol signals an important safety precaution.



The CAUTION symbol signals a risk of product deterioration.



The WARNING symbol signals a risk to the user's physical integrity. The product may also be damaged.

## Instructions and recommendations

### 1 - Please read carefully :

We strongly recommend to read carefully and understand the safety instructions before attempting to operate this unit.

### 2 - Please keep this manual :

We strongly recommend to keep this manual with the unit for future reference.

### 3 - Operate carefully this product :

We strongly recommend to take into consideration every safety instruction.

### 4 - Follow the instructions:

Please carefully follow each safety instruction to avoid any physical harm or property damage.

### 5 - Avoid water and wet locations :

Do not use this product in rain, or near washbasins or other wet locations.

### 6 - Installation :



We strongly encourage you to only use a fixation system or support recommended by the manufacturer or supplied with this product. Carefully follow the installation instructions and use the adequate tools.

Always ensure this unit is firmly fixed to avoid vibration and slipping while operating as it may result in physical injury.

### 7 - Ceiling or wall installation :

Please contact your local dealer before attempting any ceiling or wall installation.

### 8 - Ventilation :



The cooling vents ensure a safe use of this product, and avoid any overheating risk.

Do not obstruct or cover these vents as it may result in overheating and potential physical injury or product damage. This product should never be operated in a closed non-ventilated area such as a flight case or a rack, unless cooling vents are provided for the purpose .

### 9 - Heat exposure :

Sustained contact or proximity with warm surfaces may cause overheating and product damages. Please keep this product away from any heat source such as a heaters, amplifiers, hot plates, etc...

### 10 - Electric power supply :

This product can only be operated according to a very specific voltage. These information are specified on the label located at the rear of the product.

### 11 - Power cords protection:

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at lugs, convenience receptacles and the point where they exit from the fixture.



### 12 - Cleaning precautions :



Unplug the product before attempting any cleaning operation. This product should be cleaned only with accessories recommended by the manufacturer. Use a damp cloth to clean the surface. Do not wash this product.

### 13 - Long periods of non use :

Disconnect the unit's main power during long periods of non use.

### 14 - Liquids or objects penetration :

Do not let any object penetrate this product as it may result in electric shock or fire.

Never spill any liquid on this product as it may infiltrate the electronic components and result in electric shock or fire.

### 15 - This product should be serviced when :



Please contact the qualified service personnel if :

- The power cord or the plug has been damaged.
- Objects have fallen or liquid has been spilled into the appliance.
- The appliance has been exposed to rain or water.
- The product does not appear to operate normally.
- The product has been damaged.

### 16 - Inspection/maintenance :



Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.

### 17 - Operating environment :



Ambient temperature and humidity: +5 - +35°C, relative humidity must be less than 85% (when cooling vents are not obstructed).

Do not operate this product in a non-ventilated, very humid or warm place.

## 2 - Introduction

Thank you for purchasing the CR80A-COMBO.

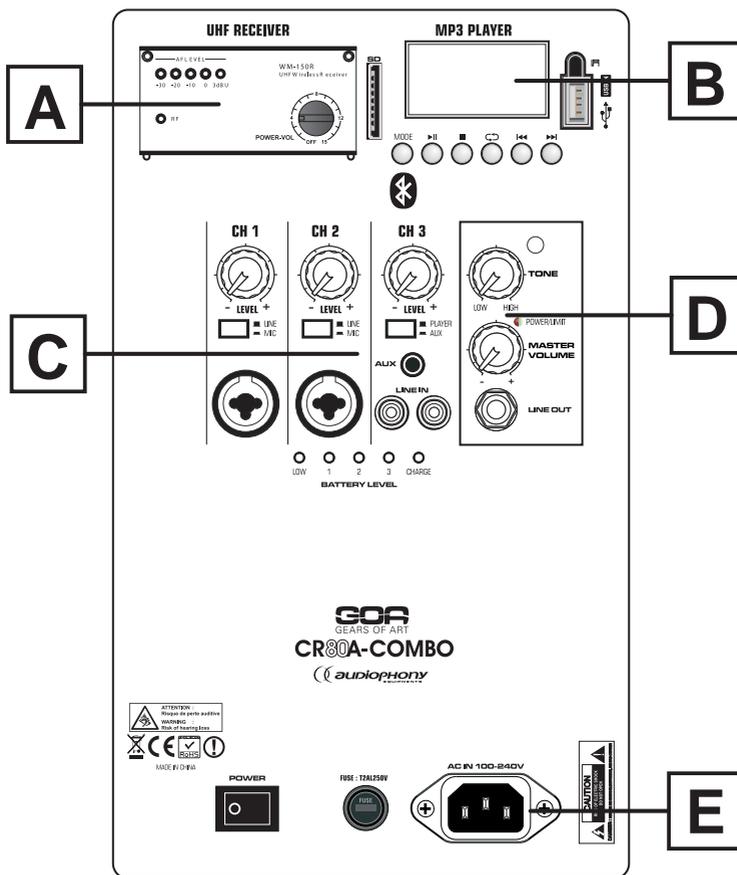
- All-in-one solution
- High performance and sound quality
- Media player and 1 UHF microphone

The CR80A-COMBO is a powerful all-in-one sound system producing a high-quality sound output, adapted to any mobile installation.

It features a USB/SD reader, a Bluetooth® receiver, one UHF handheld microphone and a mixer allowing you to plug two extra microphones and an external source. In brief: it is complete, powerful, and easy to use. Light and compact, it can also be battery-operated thanks to its built-in Lithium battery.

- Light, powerful and reliable Lithium battery
- Supplied with 1 UHF handheld microphone
- A headband microphone is available if you want to keep your hands free

### 3 - The modules



A - UHF receiving module

B - USB/SD/Bluetooth® module

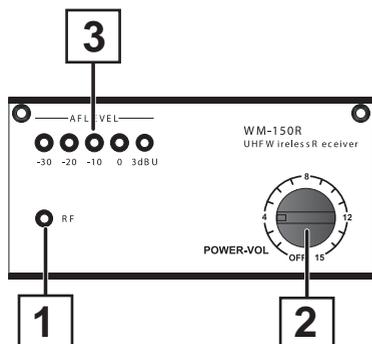
C - Mixing zone

D - Master zone

E - Power supply socket

## 4 -Description of the modules

### 4 - 1 : UHF receiving module

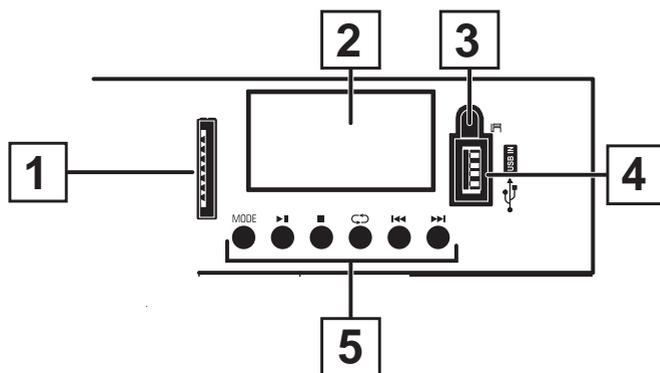


**A1** - Radio Frequency indicator: this indicator is lit in red when the emitting mic is ON.

**A2** - Volume control knob for the HF module. From OFF to full power (clockwise).

**A3** - Audio Frequency indicator: this indicator is lit in green when a signal is being received

### 4 - 2 : USB/SD/Bluetooth® module



**B1** - SD card slot.

**B2** - Reader display.

**B3** - IR diod to receive the remote control commands.

**B4** - USB mass storage socket for USB key.

**B5** - Command panel of the reader:

**MODE:**  
Allows you to switch from USB/SD to the Bluetooth® receiver: the display will indicate «BT NOT LINK», and «connecting» for a few seconds when you switch to Bluetooth® MODE.

#### 1<sup>st</sup> Bluetooth® peering:

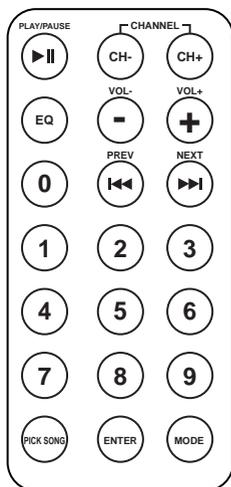
Switch to Bluetooth® mode. The display will indicate «BT NOT LINK», then «connecting...» for a few seconds.

Turn your Bluetooth® source ON and scan for devices.

Select «Bluetooth» in the list, and accept the peering.

The CR80A-COMBO display should indicate the name of the connected device.

### 4 - 3 : Remote control



The infrared remote control of your reader allows you to remotely control some functions for your SD/USB or Bluetooth® sources.

The CH- and CH+ buttons are deactivated with this device.

The «EQ» button allows you to navigate and choose one of the equalizer presets configured for each style, such as: NORmal, POP, ROCK, JAZZ, CLASsical, COUntry, BASs.

The ENTER button allows you to enter the menu:

BT disconnect: To disconnect your Bluetooth® source

EQ: to select the equalizer presets

Delete Paired information: allows you to delete the information of devices already paired with your unit.

Device information: Displays the name and Bluetooth® address of your sound system.

Exit : Leaves the menu.

The navigation uses the PREV and NEXT button to choose a menu, PLAY/PAUSE to confirm your choice.

### 4 - 4 : Mixer

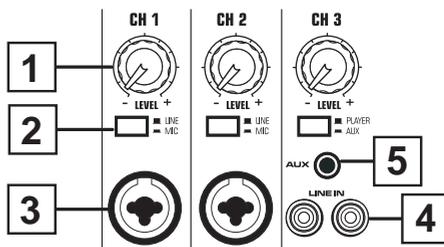
**C1** - CH1/2/3 volume control knob. From minimum to maximum (clockwise). These settings either affect the USB/SD/Bluetooth® reader, the AUX or LINE IN inputs.

**C2** - Channel1/2/3 input selector. Allows you to choose the type of source you want to connect.

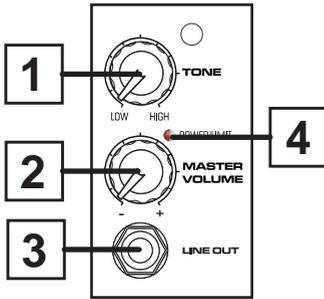
**C3** - Combo XLR / Jack 6.35 socket. Allows you to plug an instrument or microphone.

**C4** - LINE IN input via RCA.

**C5** - Line level AUX input via Stereo Jack 3.5.



#### 4 - 5 : Master



**D1** - TONE control knob.

Adjusts basses and trebles levels by +/-6 dB.

Turn on the left to increase basses. Turn on the right to increase trebles.

**D2** - MASTER volume control fader.

From minimum to maximum (clockwise). This fader affects the main volume output.

**D3** - LINE OUT output carrying the line-level main signal of each channel via stereo Jack 6.35.

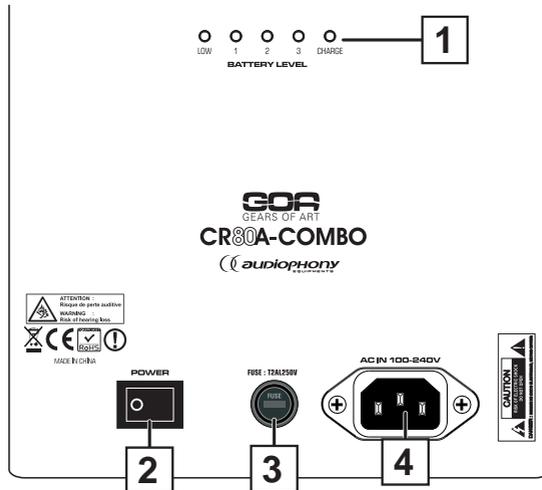
Allows you to connect another amplified system.

**D4** - POWER/LIMIT indicator. Indicates if the sound system is ON and the limiter activated.

Lights blue to indicate the system is activated.

Lights red when the limiter is activated. Please decrease the input level of your sources in such case.

#### 4 - 6 : Power supply



**E1** - LED battery indicator.

It is crucial to charge the batteries when the LOW indicator is lit. The CHARGE indicator lights green when the charge process is completed.

**E2** - ON/OFF switch.

**E3** - Fuse holder.

Please make sure to replace the fuse only with the exact same model. Fuse: T1,6AL 250V

**E4** - Power plug.

Allows you to connect your sound system to an electrical outlet and recharge its batteries and/or turn it ON.

**Note about batteries :**

Please only use 12V / 5Ah NP batteries with the following dimensions:

(width x height x depth): 90x100x70 mm.

Use a product with the same characteristics if you have to change the batteries.

New batteries should be charged before being used. The CR80A has been designed to charge two batteries at the same time.



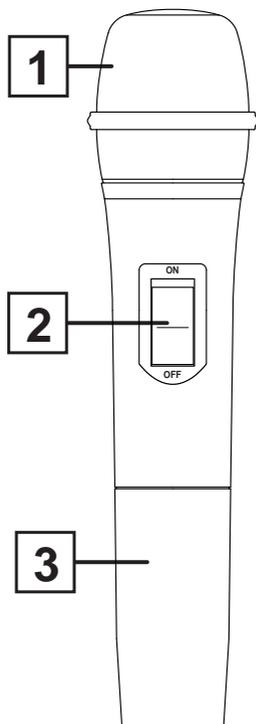
Please turn off the unit during periods of non-use in order to preserve the batteries.

The batteries can be severely damaged if they are fully discharged because the unit remained turned ON.

Moreover, the batteries must be charged regularly to prevent them from drying.

We strongly advise you to charge the batteries at least once every three months.

These batteries are wearing parts and thus cannot be covered by the guarantee.

**4 - 7 : Handheld microphone**

1 - Grille: Protects the capsule.

2 - ON/OFF Power switch

3 - LR06 x 2 battery compartment. Please respect the polarities when changing batteries.

## 5 - Power management

### 5 - 1 : Battery handling precautions

- 1 - This unit can be equipped with two 12V / 5 Ah batteries for an average autonomy of 6 hours.
- 2 - The complete charging process approximately lasts 8 hours.
- 3 - The built-in power management system indicates if the batteries need to be charged.
- 4 - If the batteries level gets too low, the «**LOW**» will turn on. Connect your CR80A-COMBO to an electrical outlet or replace the batteries.
- 5 - Used batteries should be taken to a collection point designated by local authorities. Do not dispose of them in the environment.
- 6 - Always turn off your system if you are not using it in order to preserve the batteries.
- 7 - We strongly recommend to remove the batteries from the unit during long periods of non-use, to prevent them from drying and becoming unusable.
- 8 - The batteries should be charged regularly to prevent them from drying and becoming unusable. We advise you to charge the batteries at least once every three months.
- 9 - These batteries are wearing parts and thus cannot be covered by the guarantee.

## 8 - Technical specifications

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Loudspeaker	6.5" loudspeaker + 1" titanium driver, total impedance: 4 Ohms
Power	80W RMS / 160 max Class D amplifier
Response curve	65 - 18k Hz
Sound pressure level	110 dB SPL max
HF microphone	UHF diversity Handheld cardioid-dynamic microphone
Frequency range	UHF 863-865 Mhz - 10 mW
Reader	Built-in USB key / SD card reader and Bluetooth® receiver Supplied with an infrared remote control
Bluetooth®	The player features a Bluetooth® receiver Type V2.0 AVRCP, with an excellent, close-to-digital audio transmission
Finish	Polypropylene housing, metal mesh grill. C36 mounting plate for speaker stands
Dimensions (in mm)	375 x 240 x 210
Net weight (incl. batteries)	5.9 kg
Batteries	2x DC12V 1,5AH Li-ion
Autonomy	5 hours depending on the volume
Charging time	6 hours to recharge the two batteries
Power management	LED display to indicate the charge level. Charge it and use it at the same time. Automatic shutdown if the battery level is too low.

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