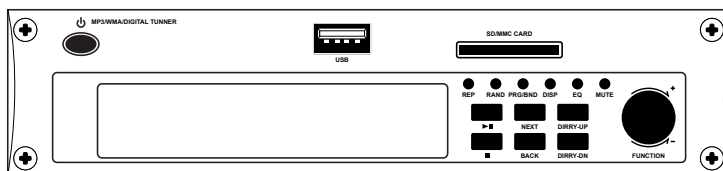


**CD/Tuner/USB/SD player module for combo**



# MOD1

# 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.



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



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.

## Symbols used



This symbol signals an important safety precaution.



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



The CAUTION symbol signals a risk of product deterioration.

## 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 - 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 .
- 8 - 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...
- 9 - 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.

**CAUTION**

**RISK OF ELECTRIC SHOCK**

**DO NOT OPEN**

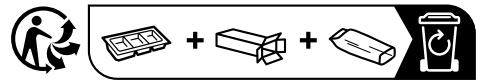
**WARNING :** This unit contains no user-serviceable parts. Do not open the housing or attempt any maintenance by yourself. In the unlikely even your unit may require service, please contact your nearest dealer.  
In order to avoid any electrical malfunction, please do not use any multi-socket, power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

**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.



- 10 - 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.
- 11 - 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.
- 12 - Long periods of non use :**  
Disconnect the unit's main power during long periods of non use.
- 13 - 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.
- 14 - 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.
- 15 - Inspection/maintenance :**  
Please do not attempt any inspection or maintenance by yourself. Refer all servicing to qualified personnel.
- 16 - 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 choosing an Audiophony® product.  
You now have a top-quality appliance that we're sure you'll be delighted with.

## 3 - General characteristics

The MOD1 is a multi-media player capable of playing Mp3/WMA on USB sticks and SD/MMC cards. It is also equipped with an AM-FM tuner.

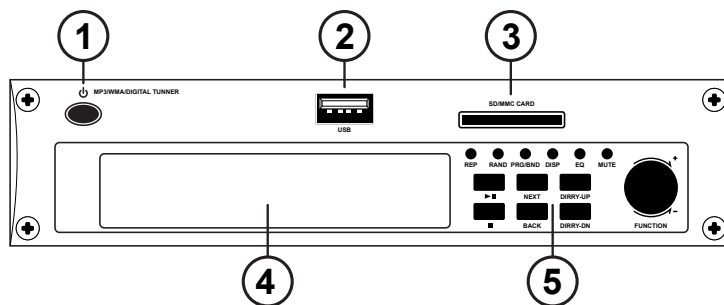
**Please note:**

Only use modules recommended by Audiophony with your COMBO240.  
Similarly, only use Audiophony modules with recommended amplifiers.

- Mp3 player on USB key or SD/MMC card
- AM/FM tuner with frequency memory
- MPEG 1/2/2.5 Layer 2/3, WMA9 L1/L2 decoder on USB and SD/MMC media.
- 64K NOR flash memory for program storage.
- 32 steps for the electronic volume.
- EQ programme (Classic/Pop/Jazz/Rock) with LOUD function.
- Recognition of over 2,000 files and 200 folders.
- ID3 available up to 32 characters long (Folder name/ Title/ Artist/ Album).

## 4 - Description of the appliance

### 4.1 Front panel



**[1] Power button**

Pressing the switch turns the player on or off.

This screen gives details of usage information.

**[2] USB port**

Connect your USB Mass Storage device (key or disk) here.

**[5]Control panel**

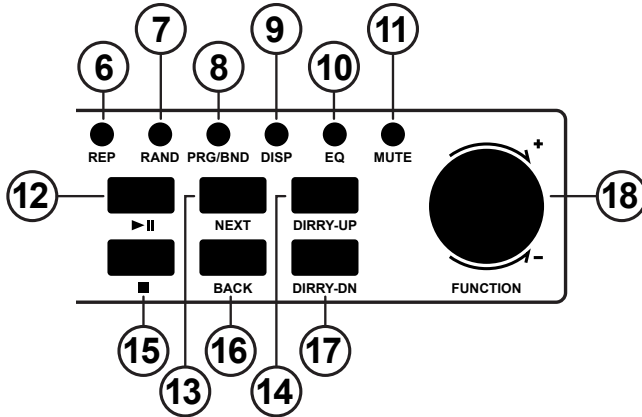
Control your module using the buttons on this control panel.

**[3] SD/MMC port**

Connect your SD or MMC device here.

**[4]LCD screen**

4.2 Control panel description



[6] REP (repeat) key

In USB or SD/MMC mode :

It is used to change the repeat mode:

- Repeat ONE repeats the currently played track ad infinitum.
- Repeat all allows you to repeat the whole media indefinitely.
- Repeat Folder is a function that allows the current folder/album to be replayed.
- Repeat OFF deactivates all repeat modes

The different modes are displayed in the following order:

**REPEAT ONE >> REPEAT FOLDER >> REPEAT ALL >> REPEAT OFF**

In Tuner mode :

No function

[7] RAND (Random) key

In USB or SD/MMC mode :

This button is used to activate or deactivate shuffle mode.

In Tuner mode :

No function

[8] PRG/BND key

In USB or SD/MMC mode :

This button is used to create programmes (playlists). To create a programme, do not leave the device playing and press the **PRG/BND** button .

- **P01** appears on the screen.
- Select your folder and song using the appropriate controls.
- Press **PRG/BND** to confirm this track. **P02** appears on the display.

- Select your folder and song using the appropriate controls.
- Press **PGR/BND** to confirm this track. **P03** appears on the display.

Continue in this way until you have recorded all the tracks in your programme. Press the **PLAY/PAUSE** button to start the programme.

To cancel a programme, exit play mode by pressing **STOP**, then press **STOP** again . The programme will no longer be stored in memory.

In Tuner mode :

This button is used to change the recording number of a frequency.

To do this, press the **PGR/BND** button (the number flashes on the screen) then turn the **FUNCTION** knob to the desired number.

To confirm, press **PGR/BND** again

[9] DISP key

In USB or SD/MMC mode :

This button displays certain data when a song is playing. MOD1 can display the Title, Album and Artist, if this information is included in the mp3 being played.

In Tuner mode :

No function

[10] EQ key

This button is used to change the type of equalisation and therefore the sound quality of the player. Press to toggle between modes. The modes available are normal, classic, pop, jazz and rock. Selecting one of these modes will give a different sound to the track played.

**[11] MUTE key**

This button deactivates the sound output from the module to the amp.  
Once this function has been activated, the display will flash **MUTE ON**. Press again to restore normal playback.

**[12] Play/Pause button**

In USB or SD/MMC mode :

Use this key to play or pause the device.

In Tuner mode :

This button is used to switch from MONO to STEREO mode.

**[13] NEXT key**

In USB or SD/MMC mode :

Use this key to skip to the next file.

In Tuner mode :

Press to change the tuner frequency (in 0.1 MHz steps).  
By pressing and holding this button, the tuner will automatically search for the nearest frequency in use (higher values).

**[14] DIRRY-UP key**

In USB or SD/MMC mode :

Use this key to move to the next folder.

In Tuner mode :

Press to move to the next frequency memory  
Keep this key pressed to scroll through the memories.

**[15] STOP key**

In USB or SD/MMC mode :

This button stops playback of the current media.  
Press STOP a second time to clear the programme and play mode (Repeat, random) memories.

In Tuner mode :

This button toggles between the AM and FM bands.

**[16] BACK button**

In USB or SD/MMC mode :

Use this key to skip to the previous file.

In Tuner mode :

Press to change the tuner frequency (in 0.1 MHz steps).  
By pressing and holding this button, the tuner will automatically search for the nearest frequency in use (lower values).

**[17] DIRRY-DN key**

In USB or SD/MMC mode :

Use this key to move to the next folder.

In Tuner mode :

Press to move to the next frequency memory  
Keep this key pressed to scroll through the memories.

**[18] Function wheel**

This wheel allows two types of action:

- By turning this knob, you can vary the overall volume of the player.
- Pressing this wheel changes the source (TUNER -> USB -> SD/MMC Card)

## **7 - Installing the MOD1 in the COMBO240**

Here's how to install an optional module in the COMBO240:

- Remove the 5 screws holding the top cover in place (four at the sides and one at the back).
- Remove the front cover to insert the module by removing the 4 screws holding it in place.
- Connect the Power+Audio cable (6 wires) supplied with the module to the bracket provided on the motherboard.
- Insert the module into the bay, taking care not to pinch the cables.
- Connect the black cable (2 wires) to the AM terminal at the rear of the device (inside)
- Connect the black cable (1 wire) to the FM terminal at the rear of the device (inside)
- Connect the Power+Audio cable (6 wires) supplied with the module to the module support provided.
- Fix the module to the metal plate on the side using the screw provided.
- Fix the module to the front panel using the 4 screws provided.

## **9 - Technical specifications**

- Signal-to-noise ratio : Less than 70 dB
- Frequency response : 20Hz - 20kHz
- THD : Less than 0.1%
- Maximum power consumption : 500 mA
- Operating temperature : 0°- 40°C ( 95% humidity maximum)

Because AUDIOPHONY® takes the utmost care in its products to make sure you only get the best possible quality, our products are subjects to modifications without prior notice. That is why technical specifications and the products physical configuration might differ from the illustrations.

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