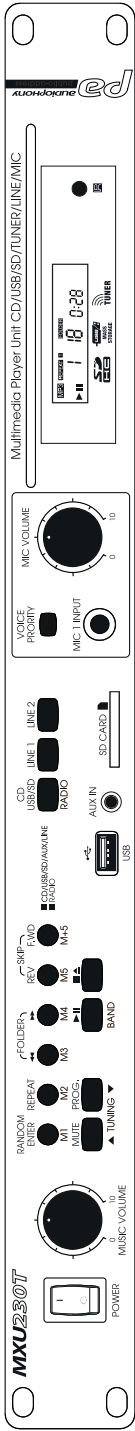


CD/USB/SD player and Tuner with mic, line level inputs and remote control



MXU230T



USER GUIDE

10182 - May 2014 Version 1.0

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 - Our advices

2.1 - Compact disks

a - Handling precautions

Please protect the disks in order for dust, fatty deposits and fingerprints not to damage them.

However, if one of your disks is dirty please rub it gently with a dry cloth.

Do not use alcohol, any solvent, antiseptic liquids or silicone-coated clothes.

Handle your disk with precaution and protect its surface, especially while getting it out of its case.

Do not bend the disk.

Do not heat it.

Do not enlarge the hole at the center of the disk.

Do not write on the screenprinted part of the CD.

In the event of the appearance of condensation due to important temperature changes, please let your CD dry without using any heat source.

b - Storage precautions

Always eject the disk when you are not using it.

Store your disks in the case provided for the purpose, protected from dust and shocks.

Do not store your CDs in places:

- Exposed to sunlight.
- Subject to the accumulation of dust and humid.
- Near heat sources (radiator...).

3 - Main characteristics

- CD/Mp3 player with anti-shock memory (AVM System)
- USB player with USB Mass Storage plug (FAT32, 16 Go max.)
- SD and SDHC player (16Go max)
Output volume control
- AM and FM tuner with autoscanner and 10 recordable stations
- Priority auxiliary input
- 1 microphone input (at the front)
- 2 microphone inputs (at the rear) with independent volume settings
- Browse through menus and tracks
- Rewind and fast forward
- Supplied with an infrared remote control
- Customisable or random playlist
- 2 RCA Unbalanced outputs (-10dB)
- Remote control functions:
 - Source selection (CD, USB, SD or Tuner)
 - Play, Pause, Skip, Search
 - Program, Random and Repeat functions
 - Folder and track selection
 - Customisable and recordable stations
 - Mute
 - CD Eject

4 - Technical specifications

- Power supply: 230 V AC- 50 Hz ou DC 13,2V
- Power consumption: 26W
- Player dimension: 482 x 44 x 275 mm (19" - 1 unit)
- Weight: 3.4 kg

5 - Preparation and installation

5.1 - Checking the contents

The package must contain the following articles:

- The MXU230T
- An infrared remote control
- The user guide
- A double RCA cable
- An antenna set (AM and FM)
- 1 power cord.

5.2 - Installing the unit

a - Set up the MXU230T over a flat surface or within racks.

b - Please make sure the unit is installed in a properly ventilated place, unexposed to sunlight rays, excessive temperatures or humidity.

5.3 - Connecting the unit

a - Turn the unit off (unplug it).

b - Connect the RCA cable to one of the inputs of your mixing desk.

CAUTION:

Please use the cables supplied. Using other types of cables might cause severe damages to the unit. Please make sure the device is OFF before connecting any sources in order to prevent severe damages.

CAUTION:

This device can be safely operated when placed on a flat surface not exceeding a 15° slope. Using this player on excessively steep surfaces might result in the ejection, deterioration or impossibility to read your disks.

The LCD display was designed to be read easily when you are in front of the player. Please set up the unit in order for the display to be clearly visible.

6 - Compatible medias

6-1 - Compact disks

The MPU130T is able to read several media formats:

- MP3
- WMA
- CDA

When using the CDA format, please note that the CD containing the CDA files cannot use any other kind of files as CDA files cannot be mixed up with MP3 or WMA files on the same support.

The MP3-Pro, MP4, Wave (etc.) formats are not supported by this system.

Please only use MP3, WMA or CDA files on your disks as other formats might damage your device.

We strongly recommend to use high-quality medias, recorded at low speed.

Notes:

- Some CD-R/CD-RW recorded via CD writer might not be readable for many reasons such as the disk characteristics, scratches, stains, condensation etc.
- Some disks might also be impossible to read if recorded via CD writer due to the parameters of the operating systems. Please make sure to format your disks correctly before rewriting. For more details, please read the user guide supplied with your CD writer.

- This device cannot read partially recorded or not finalised CD-R or CD-RW.
- For more information about handling CD-R/CD-RW, please consult the safety precautions supplied with each disk.

About CD-R/RW

Due to the very particular structure of CD-R/CD-RW disks, they should not be let in Pause mode at a precise point, as it may result in difficulties to resume the playing.

As a result, we strongly recommend you to use archive desks to save your most important files.

About DualDisc

This product was designed to comply with the music CD regulations. However, performances and flawless reading are not guaranteed if you are using non-compliant CDs.

6-2 - USB supports and SD cards

The Mpu130T is able to read files stored on USB supports such as USB keys , USB hard disks, or any other type of devices compatible with the USB Mass Storage norm.

Your device can read the following formats stored on USB support:

- MP3 (VBR or CBR) up to 320kbits/s
- WMA (same characteristics)

Your disks must be FAT-formatted to be compatible with the Mpu130T. The Mpu130 is unable to read contents via supports with different formats (NTFS, ...).

Please note that some FAT devices might present compatibility issues due to specific commands or functions they might offer.

That is why we strongly recommend to test the compatibility of a device with the MXU230T before acquiring it.

The MXU230T powers up USB keys and HDD USB-connected.

However, some disks or keys might require a power supply unit delivering more power than the Mpu130T. We strongly recommend to use these devices with their external power supply unit in order to prevent any kind of problems or damages.

The USB port of the MXU230T is a USB Mass Storage port. It cannot be used to read audio fluxes such as the USB Audio codec under any circumstances. The Mpu130T is therefore not compatible with the devices uses such fluxes such as computers, portable players, USB microphones, etc.

The SD card slot has the same file properties and restrictions as the USB port. SD HC can be used with the Mpu130T, subject to not exceed a maximum size of 16 Gb.

6-3 - Playing MP3/WMA files

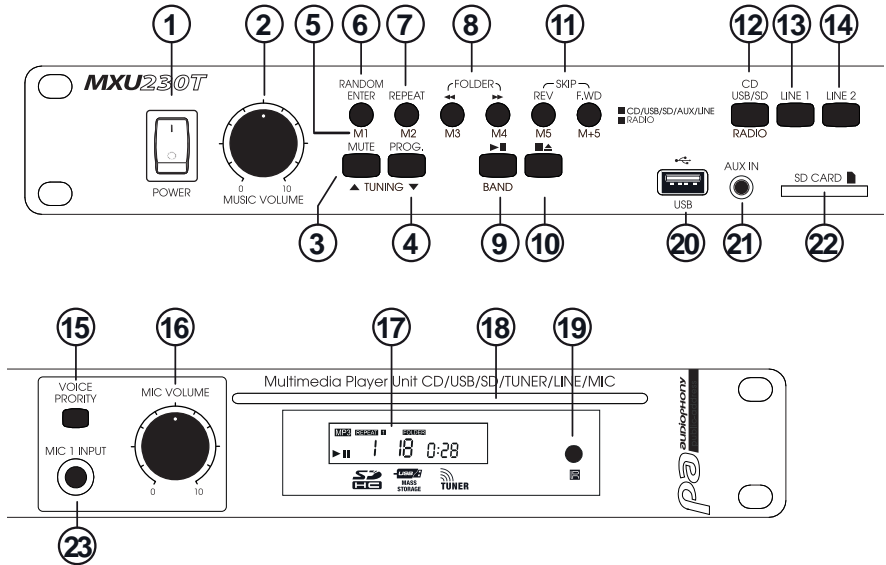
MP3 files may have two formats: Constat bitrate (CBR) and Variable bitrate (VBR). The MXU230T the reading and DJ reading of both CBR and VBR MP3 files. However, you might notice that the super-fast search speeds are slower for VBR files,

in comparison with CBR files. As a result, if speed is an important factor to you, we recommend to use MP3 files in the CBR format. The MP3 files must meet the following criterias indicated below:

MP3 Format	MPEG-1	Compatible with the Audio Layer-3 sampling rate from 32 kHz, 44,1 kHz, 48 kHz; Bit rate: 32 Kbps at 320 Kbps.
	MPEG-2	Compatible with the Audio Layer-3 sampling rate from 16 kHz, 22,05 kHz, 24 kHz, Bit rate: 16 Kbps (stereo) a 160 Kbps.
	ID3 Label	Compatible with the ID3 Versions 1.0/1.1/2.2/2.3/2.4. Indicates the title, album, artist, and genre. Alphanumeric characters and some symbols only can be displayed.
	File extension	.mp3, .MP3, .mP3, .Mp3
WMA Format	File extension	.wma, .WMA

7 - Description of the front and rear panels

7.1 - Front panel



[1] POWER switch

Turns the unit ON/OFF.

[2] MUSIC VOLUME Button

Allows you to adjust the volume of music sources (excluding microphones).

[3] MUTE/TUNING ▲ Button

- In CD/USB/SD/LINE mode: Allows you to momentarily interrupt the audio signal.
- In RADIO mode: Allows you to automatically search for radio stations. Hold this button for more than 3 seconds to activate the auto scan function. The MXU230T will then stop at the next radio station detected.

[4] PROG./TUNING ▼ Button

- In CD/USB/SD/LINE mode: Allows you to memorise up to 10 tracks. To do so, press the PROG. button. The display will indicate "PROGRAM".
- * Select a file and press RAN/ENTER, the display will then indicate: 00 01.
- * Repeat these steps for each track.
- * Press the PLAY/PAUSE/BAND button to play the tracks you just saved.

[5] M1 to M+5 Buttons

These buttons are activated only in RADIO mode, they allow you to save up to 10 radio stations.

- * Select a station with the TUNING buttons then press one of the M1 to M5 buttons for more than 3 seconds.
- * To save a station beyond 5, press the M+5 buttons for more than 3 seconds, the display will then indicate CH. Press one of the M1 to M5 buttons, the display indicates CH8.
- * To save a station on M9, press M+5 then press M3 for more than 3 seconds.
- * To listen to a station, press the M1 to M5 buttons. To listen to a station beyond 5, press M+5 then press one of the M1 to M5 corresponding button.

[6] RANDOM/ENTER Button

Allows you to activate the random playback function. ENTER allows you to confirm the changes operated via the PROG button.

[7] REPEAT button

Allows you to repeat a track or the whole support.

- * With traditional supports, pressing this button once will repeat the current track (REPEAT 1), while pressing it twice will repeat the whole support (REPEAT ALL).
- * With MP3 files on CDs, USB or SD, pressing this button once will repeat the current track (REPEAT), pressing it twice will repeat the current folder (REPEAT FOLDER), and pressing it 3 times will repeat the whole support (REPEAT ALL).

[8] FOLDER buttons

These buttons allow you to navigate from a folder to another.

[9] PLAY/PAUSE/BAND

- * In CD/USB/SD mode, allows you to play or pause the current track.
- * In radio mode, it allows you to switch from FM to AM.

[10] STOP/EJECT Button

- * Pressing this button once stops the current track, the display then indicates the total number of tracks.
- * Pressing it twice ejects the CD.
- * Pressing it 3 times allows you to insert a CD.

[11] SKIP Buttons

These buttons allow :

- * With a short press to switch from one track to another.
- * With a long press, to move quickly within the track.

[12] CD/USB/SD/RADIO Button

Allows you to switch from a source to another:

- USB
- SD
- CD
- Tuner

[13] LINE 1 Button

Activates the Line 1 input (at the rear).

[14] LINE 2 Button

Activates the Line 2 input (at the rear).

[15] VOICE PRIORITY Button

Allows you to activate the TALK OVER function, reducing the volume of any source while you are using one of the microphones.

[16] MIC VOLUME Button

Allows you to adjust the volume of the microphone plugged on the front panel (MIC 1 INPUT).

[17] LCD Display

Indicates the current status of the player, the current radio frequency and programming steps.

[18] CD Slot In

Allows you to insert a CD.



* Do not insert a 8 cm CD.

* Do not try to push or pull a CD during the insertion/ejection process as it might damage the mechanism.

[19] Infrared sensor

Allows the player to receive information from the remote control.

[20] USB Port

This USB port allows you to insert a Mass Storage device (key or HDD). Please only use FAT32-formatted, compatible devices. The maximum size supported is 16 Gb.

[21] AUX IN Input

Allows you to connect your phone, Mp3 player etc. This is a priority input: when a source is connected, all other sources will be deactivated (microphones included).

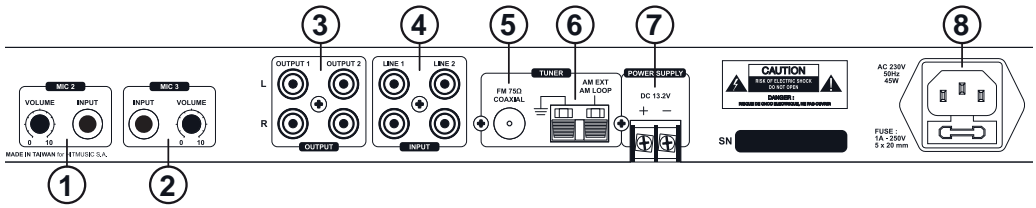
[22] SD Port

This SD port allows you to insert your SD or SDHC card. Please only use FAT32-formatted, compatible devices. The maximum size supported of SD cards is 16 Gb.

[23] MIC 1 INPUT

Allows you to connect a wired microphone via Jack 6.35.

7.2 - Panneau arrière



[1] MIC 2 input and VOLUME BUTTON

Allows you to connect a wired microphone via Jack 6.35.

[2] MIC 3 input and VOLUME BUTTON

Allows you to connect a wired mic with Jack 6.35 connector.

Adjust the microphone level via the volume control knob.

[3] Unbalanced OUTPUT 1 and 2

These RCA sockets send an unbalanced analog signal (-10 dB) to your sound system.

The output levels on both these sockets are identical and depends on the MUSIC VOLUME and MIC VOLUME settings.

[4] LINE IN 1 and 2 unbalanced inputs

These RCA sockets allow you to connect line level sources such as a CD player.

[5] FM Antenna connector

Connect your FM antenna cable here.

[6] AM Antenna connector

Connect your AM loop antenna here.

[7] 13.2 V DC Power supply

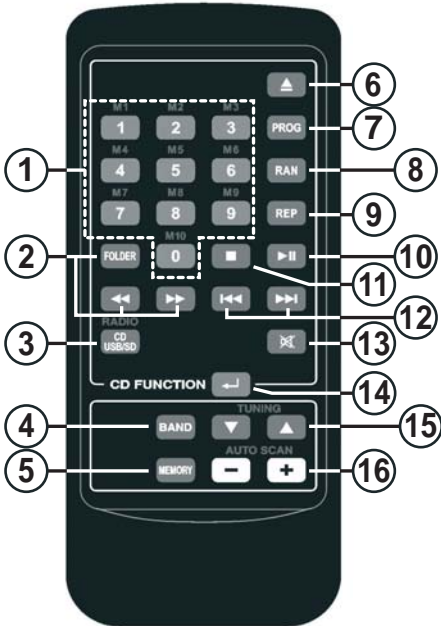
The Mxu130T can use a 13.2 V DC power supply unit connected to this socket.

[8] Alimentation 220 V AC

Connect here the supplied 220V power cord.

Note: this connector contains a fuse. If need to replace the fuse, please only replace it by a new one with the exact same characteristics.

7.3 - Remote control



[1] 1 to 10 memory buttons

Allows you to directly access one of the CD player (or current folder) track. In Tuner mode, allows you to quickly access the preset frequencies.

[2] FOLDER Buttons

Allow you to move from a folder to another. Folders are numbered by alphabetical order. When using an Audio CD, these buttons allow you to search a specific time within the current track.

[3] Source selection

Allows you to switch from a source to another:

- USB
- SD
- CD
- Tuner

[4] BAND Button

In Tuner mode, allows you to switch from AM to FM (and vice versa).

[5] MEMORY Button

Allows you to add a frequency to the customisable frequencies of your device (M1-M10). Press the MEMORY button then the corresponding M button to save the current frequency

[6] EJECT Button

Press here to eject the CD.

[7] PROG Button

Allows you to create playlists. Press the PROG button of your player or remote control. The display will indicate "PROG". Select the files you want to insert with the FOLDER and SKIP buttons. Once the files have been chosen, press ENTER. Repeat these steps for each file you want to add to your playlist. Press PLAY to launch a playlist.

[8] RAN button

Allows you to activate/deactivate the random playback. The function is activated when the display indicates RANDOM.

[9] REPEAT Button

Allows you to switch from a Repeat mode to another:

- **REPEAT 1** : The current track will be repeated ad infinitum
 - **REPEAT FOLDER** : The contents of the current folder will be repeated ad infinitum
 - **REPEAT ALL** : The contents of the current media will be repeated ad infinitum
- The repeat function is deactivated when none of these 3 indications appear on the display.

[10] PLAY/PAUSE Button

Allows you to play/pause the current track.

[11] STOP Button

Allows you to stop the current track and eject the CD from the player. When using a USB key or SD card, please always press this button before removing the media from its slot.

[12] SKIP Buttons

Allow you to select a file within a folder, or select a track on an Audio CD.

[13] MUTE Button

Allows you to interrupt the audio output without pausing the current track. Press this button to activate/deactivate this function.

[14] ENTER Button

Allows you to confirm your choice.

[15] TUNING Buttons

In Tuning mode (radio), use these buttons to modify the receiving frequency. Hold this button to automatically jump to the next available station.

[16] AUTOSCAN Buttons

In tuning mode (radio), use these buttons to modify the receiving frequency. The search will automatically stop at the next frequency received.

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