



DPM-3 Digital Audio Recorder Module

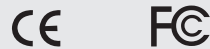
User Guide

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Design and specifications are subject to change without prior notice

AS130201







! IMPORTANT SAFETY INSTRUCTIONS !

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
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 polarised or ground plug: A polarised plug has two blades with one wider than the other. The wide blade is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plug, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
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, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
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 moisture, does not operate normally, or has been dropped.
15. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
16. Apparatus should not be exposed to dripping or splashing and no objects filled with liquids, should be placed on the apparatus.
17. Use only with the battery which specified by manufacturer.
18. The power supply cord set is to be the main disconnected device.



WARNING

1. **FOR OUTDOOR USE:**
To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
2. **UNDER WET LOCATION:**
Apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases should be placed on the apparatus.
3. **SERVICE INSTRUCTIONS:**
CAUTION - These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

		CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN		
	This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.			
	This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.			

FC & IC - ID

THIS DEVICE COMPLIES WITH PART15 OF THE FCC RULES AND RSS-123 ISSUE2 OF CANADA. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS:

- (1) This device may not cause interference.
- (2) This device must accept any interference, including interference that may cause undesired operation of the device. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

"This product can only be used at the area that the altitude is lower than 2000m for safety purpose."

"This product can be used in non-tropical locations only for safety purpose."

Disposal Dispose of any unusable devices or batteries responsibly and in accordance with any applicable regulations.



2005-08-13

Disposing of used batteries with domestic waste is to be avoided!

Batteries / NiCad cells often contain heavy metals such as cadmium(Cd), mercury(Hg) and lead(Pb) that makes them unsuitable for disposal with domestic waste. You may return spent batteries/ accumulators free of charge to recycling centres or anywhere else batteries/accumulators are sold.

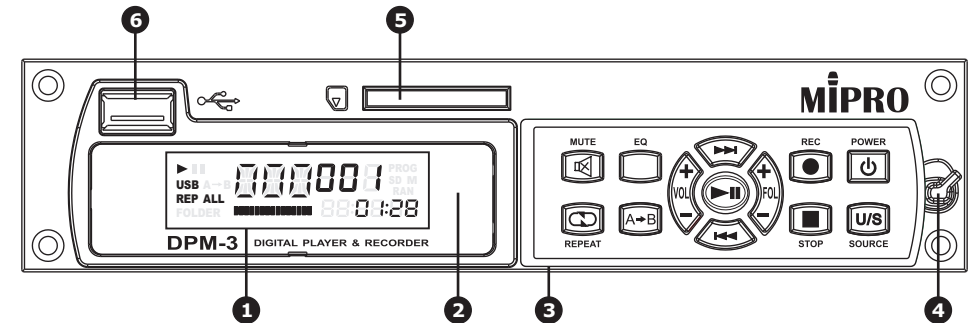
By doing so, you contribute to the conservation of our environment!

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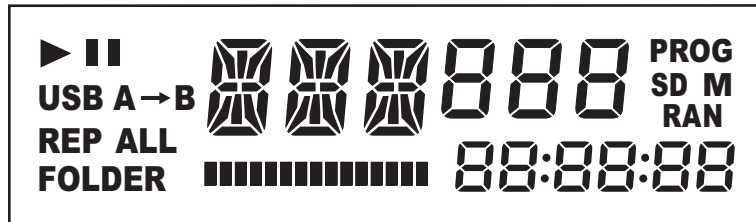
CONTROL AND INDICATORS

Front Panel



- ❶ **VFD DISPLAY SCREEN:** Displays parameters such as elapsed time, tracks, repeat...etc.
- ❷ **IR (Infrared) RECEIVER SENSOR WINDOW:** Aim towards this section to maximize signal reception quality when using the detachable Remote Control.
- ❸ **ON-BOARD CONTROL PANEL & REMOTE CONTROL (Detachable):** Sets functions with Control Panel or wirelessly via Remote Control.
- ❹ **REMOTE CONTROL LATCH:** Turn latch to the right to release the Remote Control.
- ❺ **SD CARD SLOT:** Supports SD/SDHC memory card and up to 32GB capacity. Insert a SD memory card (labeled side left) and push into the slot.
- ❻ **USB PORT:** Supports MP3, WAV and WMA format music and audio files.

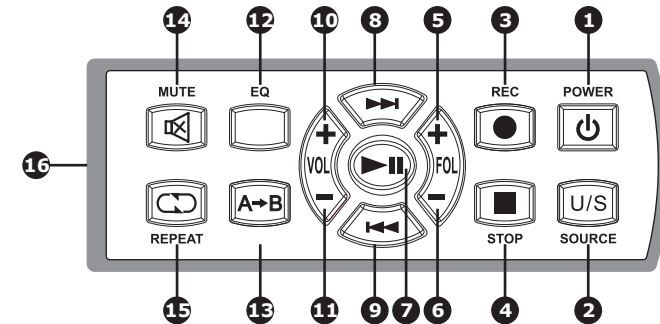
Reading the Display Screen



- ▶ Play** : Current track playing
- ⏸ Pause** : Current track paused
- 888** : Playing Track
- 88:88:88** : Elapse Time
- 📁📁📁** : Folder Display
- REP** : Repeat Current Track
- REP ALL** : Repeat All Tracks
- REP FOLDER** : Repeat Current Folder
- SD or USB** : SD Card or USB playing source
- RAN** : Random Play
- ||||||||||** : Volume Indicator
- A→B** : A→B Repeat

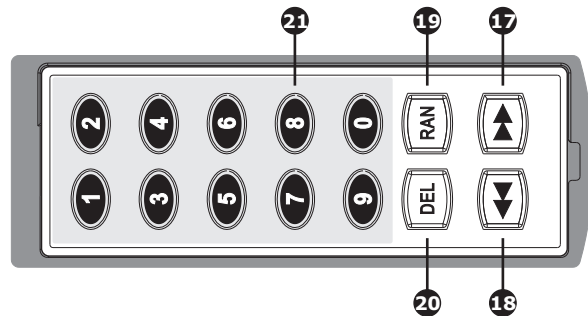
CONTROL PANEL

Front Panel of Remote Control



- 1 POWER** :POWER On/Off
- 2 SOURCE Mode** :Select USB or SD Card source
- 3 REC** :RECORD
- 4 STOP**
- 5 6 FOLDER + -** :Folder up or down change
- 7 PLAY** :PLAY or PAUSE
- 8 ►►** :Next track or press & hold for fast forward track
- 9 ◀◀** :Previous track or press & hold for fast previous track
- 10 11 VOL + -** :Raises or Lowers volume
- 12 EQ** :Equalizer
- 13 A→B** :Playing back a specified section repeatedly (A→B Repeat)
- 14 MUTE** :Mute audio
- 15 REPEAT** :Repeat audio
- 16 Detachable IR (Infrared) Remote**

Rear Panel of Remote Control

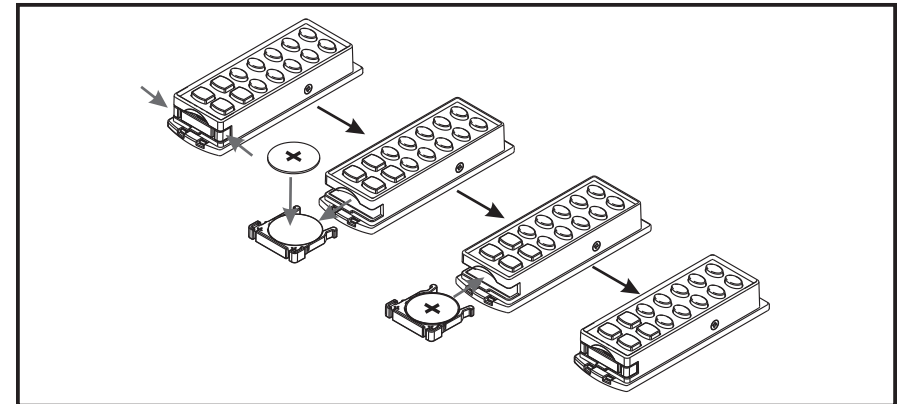


- 17 NEXT** :Fast-Forward 3 seconds. Press & hold for continuous fast-forward of current track.
- 18 PREV** :Fast-Rewind 3 seconds. Press & hold for continuous fast-rewind of current track.
- 19 RAN** :Plays tracks randomly.
- 20 DEL** :Deletes MP3 playback or recorded track.
- 21 Number buttons** :0~9 for track selection.

REPLACING THE REMOTE CONTROL BATTERY

This remote control uses a CR2032 lithium coin battery that is commonly by in small electronic devices and easy to replace. You'll find these batteries at most electronics, supermarkets and at drug stores. Replace with a new, fresh CR2032 when the remote's battery power is low or remote control starts to work erratically.

- Press and hold both sides of battery compartment. Pull the battery compartment out and remove the battery (pictured below).
- Insert a replacement CR2032 lithium battery with the positive (+) side facing up.
- Gently slide the battery compartment closed. It locks automatically



BATTERY WARNINGS

- Keep the remote control battery away from children. It may cause a fire or chemical burn if mishandled.
- Do not recharge, disassemble, heat above 212° F (100° C), or incinerate.
- Dispose of batteries according to local regulations. Please recycle when possible.
- Do not dispose as household waste or in a fire as they may explode.
- Replace only with CR2032 lithium battery.
- Replace only with a battery of the correct type and model number.

OPERATION FUNCTIONS

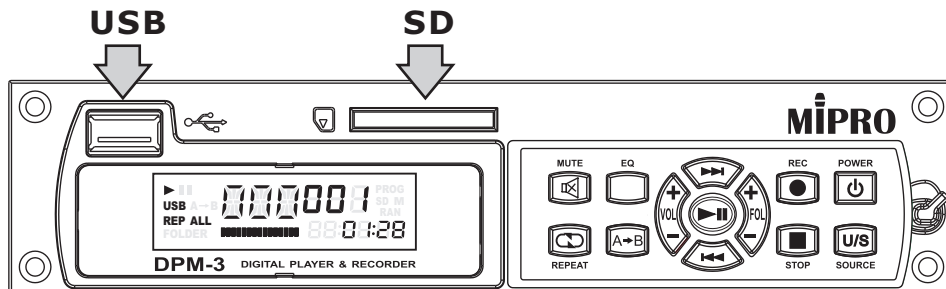
Power On:

- ON and Volume Indicator are displayed.



Media Slots:

- USB Disk:** Insert USB into the USB port.
- SD Card Reader:** Insert a SD card with gold contacts facing up and label facing down.
- Format USB and SD card before playback. Format standard is FAT.



Media Source Selection:

- Once a USB or SD card is inserted, it detects media source automatically and playback starts.



- Nod** (NO DISK) displays when it is unable to detect or read a media source.



STOP: Playback is stopped



PLAYBACK: Normal playback display.

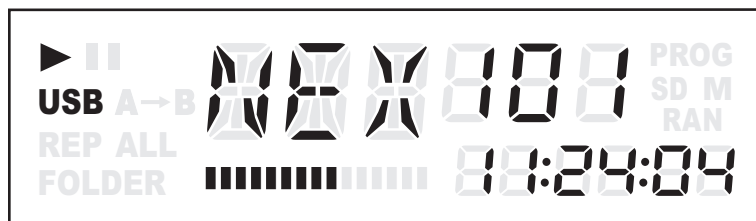


PAUSE: Paused display



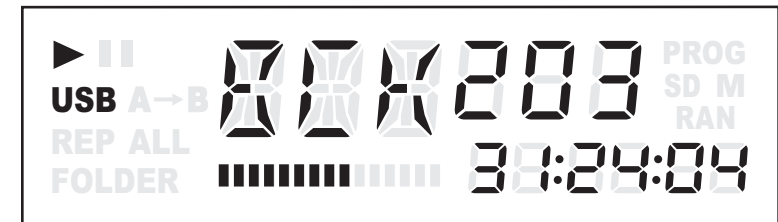
Fast Forward:

- NEX appears when pressed.
- Track Time will be fast forwarded.
- Playback starts when button is released.



Fast Rewind:

- BCK appears when pressed.
- Track Time will be fast rewinded.
- Playback starts when button is released.



Volume Indicator: 0 to 15

- Press once + to increase and – to decrease volume.
- Press and hold to increase and decrease incrementally.
- VOL & numeric volume loudness display appears for approximately 2 seconds during operation.



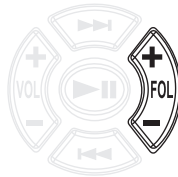
SKIP:

- Press to skip to next or previous track.



FOL (Folder):

- Press to skip to next or previous folder.
- If both USB and SD card are both plugged when FOL + or - is pressed it will not skip to next or previous folder, instead it jumps USB to/from SD card alternatively.

**Music Playback:**

- Press PLAY (▶||) for playback. Folder and track will be displayed.
- Press PLAY (▶||) again during playback to pause. Press PLAY (▶||) again to resume playback.
- Press STOP (■) to stop playback.

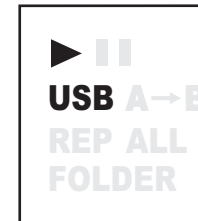
Two options for the order of playing music:

- Copy the desired songs into USB storage unit one by one until copying all the desired songs. By this way, the play sequence will be based upon the order of music being programmed into USB storage unit.
- If the desired songs will be divided into different folders, please number the songs when copying them into folders then copying the said folders into USB storage unit. Please note the songs must be numbered by the same digit like 00, 01, 02 or 000, 001, 002 or 0000, 0001, 0002.. and so on.

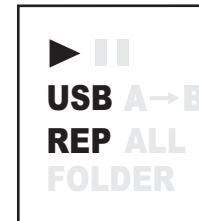
Repeat Playback:

- Press REPEAT (🔁) to select one of the repeat options.
- No display: No repeat of any track.
- REP: Repeat same track.
- REP ALL: Repeat all tracks.
- REP FOLDER: Repeat folder.

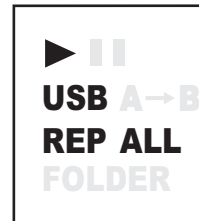
No Display



REP



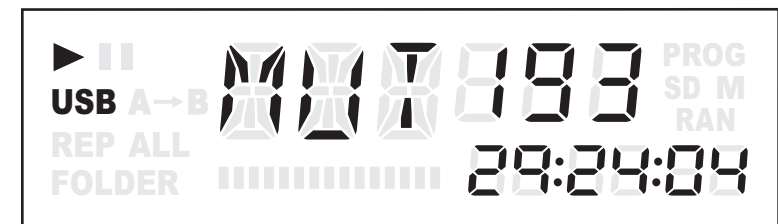
REP ALL



REP FOLDER

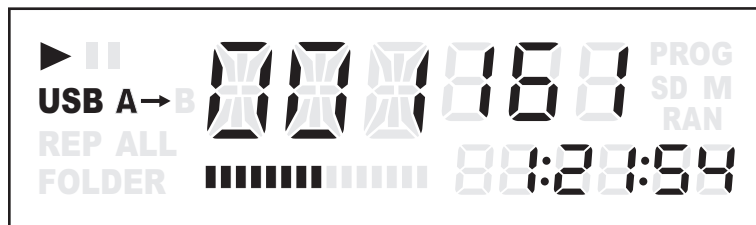
**MUTE:**

- Press MUTE to mute. Press MUTE again returns to playback.

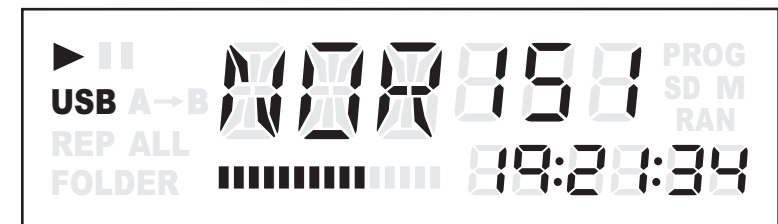


A→B Repeat:

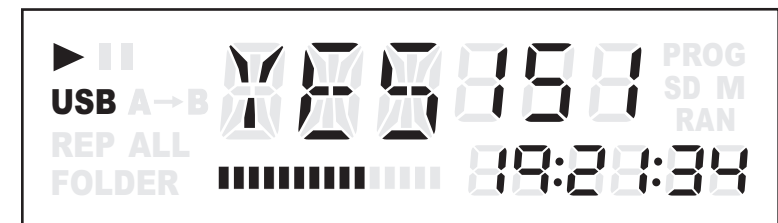
- Press A→B once to specify the starting point of A-B repeat. A appears
- Press A→B once to specify the starting point of A-B repeat. A appears
- Press A→B again to specify the ending point of the A-B repeat. B appears
- A→B Repeat starts automatically and repeatedly.
- To cancel, press A→B again.

**EQ (equalization):**

- Press EQ for one of the 7 equalization effects: NOR→ROC→POP→CLA→SOF→JAZ→BAS.
- **NOR:** Normal
- **ROC:** Rock
- **POP:** Popular
- **CLA:** Classic
- **SOF:** Soft
- **JAZ:** Jazz
- **BAS:** Bass

**To Delete Track:**

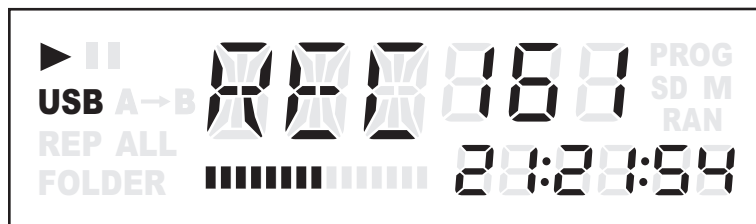
- NO is displayed once DEL is pressed. Press NEXT (▶) or PREV (◀) will display either YES or NO. To delete track, press DEL during YES display.



To Record Track:

- Recording accepts microphone and line inputs and converts to WAV file format. It can be saved into a USB or SD Card.
- Recording accepts microphone and line inputs and converts to WAV file format. It can be saved into a USB or SD Card. Insert USB or SD card into slot and ascertain the intended Source. Recording time is displayed on the bottom right. Press recording button and REC flashes on the LCD display to indicate recording in progress. Press STOP button to stop recording and it converts to WAV format and saved.
- Recorded tracks are stored in VOC file folder.
- Press PLAY to play previous recorded track.

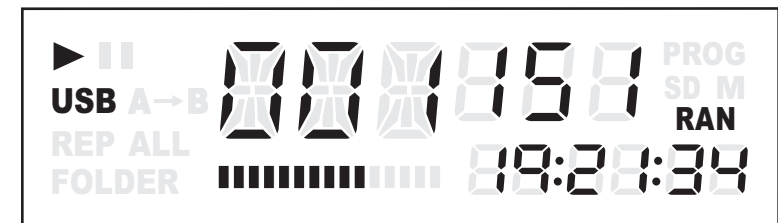
** Press & hold REC for 2 seconds to enter recording folder. Press & hold for another 2 second to cancel recording and return to normal playback mode.

**Playback recorded speech or music tracks:**

- Press FOL "+"及"-" to seek intended tracks in VOC folder.
- Press & hold REC to fast forward recorded folder and release until VOC folder is displayed. REC [REC] playback is now active. Press PLAY/PAUSE [PAUSE] for playback.
- To return to normal playback during REC [REC] playback mode, press & hold REC.

Random Playback:

- Press RAN [RAN] for random playback. RAN is displayed.
- Press RAN again for resume normal playback. RAN is no longer displayed.

**Numeric Track Selection:**

- Up to 999 tracks can be selected and displayed for playback. Enter intended numbers on the numeric keypad, located on the back of the remote, for fast track selection

(1) ➡ (3) ➡ (4) : Press for track # 134

(6) ➡ (8) : Press for track # 68

Specifications

- **IR support:** IR buttons only
- **USB port:** Type A. support USB 2.0 and fully compatible with USB 1.1
- **Storage:** Support SD card and HOST device
- **Repeat:** supports AB repeat
- **Folder/file number:** Supports up to 999 folders, up to 999 files in a folder, and up to 8 layer sub-folder
- **Volume Control:** 16 volume levels
- **Plug and play:** Auto detect SD or USB device and recalls the last operation mode and playing point
- **Power:** External 12V DC
- **Recording Parameters:**
 - **Storage:** USB/SD card
 - **Sampling rate:** 8KHz/ 16KHz/ 24KHz/ 32KHz
 - **Recording format:** WAV (32/64/128K bps)
 - **MP3 bitrate:** 8K bps -320K bps (bits per-second)
 - **WAM bitrate:** 32K bps -384K bps
 - **Frequency response:** 20Hz to 20KHz
 - **Recording timer:** Display remained time of recording device automatically
 - **SN ratio:** 90dB (earphone output)
 - **Distortion:** 0.06% (earphone output)
- **Playback Specifications:**
 - **Bitrate:** 8K bps -320K bps
 - **Format:** MP3 WAM WAV
- **Operating Temperature:** -5~50°C