

# MP310 User Manual

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## Operational Notes

- .If the Mp3 player will not be operated for a prolonged period, remove the batteries to avoid possible damage caused by electrical leakage.
  - .The Mp3 player should be kept in areas free from extreme temperature changes, moisture and dust.
  - .Set the HOLD switch to the release position before operation.
  - .Do not drop the player, which probably cause battery fall off or damage its surface.
- Battery Status

(Time unit: hour)

|         |               |
|---------|---------------|
| Battery | Digital Audio |
|---------|---------------|

|                  |    |
|------------------|----|
| Alkaline battery | 12 |
| Size AAA×1       |    |

\*Battery life may vary with different using condition, manufacturer and manufacture date.

\*Please change the battery under following conditions:

- ◆ Indicator  appears and display the “Low Battery” then shut down.
- ◆ All buttons make no response and are not workable even after the battery is taken out and reinstalled.

#### Note:

To avoid static electricity, please If possible, avoid operating the player in extremely dry environment.

If the player stops running under proper operation, please reset it by taking out battery

## Accessories



Installation CD USB



Cable



Stereo Phone

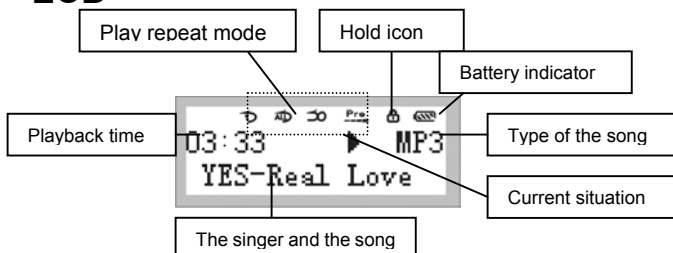


Manual/  
Maintenance Certificate



AAA Battery

## LCD



Repeat modes include Repeat, Repeat All, Random,

Preview and Normal (Normal mode isn't illustrated in the figure.)

Equalizer modes include Jazz, Classic, Rock, Pop and Normal

## Turning the power on/off

The power will be turned on when PLAY/STOP button is pressed momentarily. In 2 seconds, a glorious picture with blue backlight appears. The backlight will be turned on by user setting and will last different seconds if some button is pressed; if not, the backlight will be automatically turned down after user setting seconds.

Pressing PLAY/STOP button for more than 3 seconds until "Power OFF" appears on the screen, then it's safe to turn the power off.



## Playing MP3 music

1. Turning on the power by pressing PLAY/STOP button momentarily, you could see the following interfaces: the 03-33 means there are 33 songs in the Digital Audio and it's the third.



2. When you press PLAY/STOP button again, the current track will be played as shown above. The top left corner is the playback time indicator.

3. If you want to select previous/next piece, turn the rolling wheel up and down to get the track. The music will stop if you press PLAY/STOP.

4. By pressing the PLAY/STOP button for 3 seconds, you could turn the power off.

5. By pressing VOL+/VOL- button, you could control the volume under either PLAY or PAUSE status. The volume steps (see illustration) will increase or decrease when the VOL+/VOL- button is pressed correspondingly. There are 32 volume steps and the volume level ranges from 0 to 31.

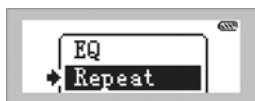


### Caution

The battery status indicator may flicker while MP3 is playing, which results from battery supply vibration while different power is consumed.

## Use menu under the playing mode

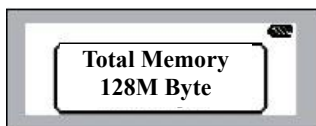
1. Press PLAY/STOP to turn on the Digital Audio
2. Press the Menu button (in the middle of the rolling wheel). So you can see the function menu of the Digital Audio as following:



|             |                             |
|-------------|-----------------------------|
| REC         | Enter into record operation |
| EQ          | Equalizer mode              |
| Repeat      | Repeat mode                 |
| Backlight   | Background light            |
| Del File    | Delete audio files          |
| Memory Info | Memory information          |
| Return      | Return                      |

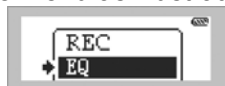
All the options are listed in the below table. You may select every item by the rolling up or down wheel.

1. You can use Last or Next button to select every item in the function menu and press Mode button to enter the function.
2. When you select "Del File", you will enter the Delete interface. More information is to be mentioned behind.
3. The Digital Audio would pops up a dialog box about the capacity of the memory when the "Memory Info" is selected. With no button being pressed, it will return to Play interface after 2 seconds. **You can see your Digital Audio memory as following:**

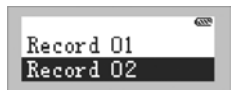


## Voice Recording Function

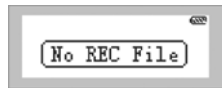
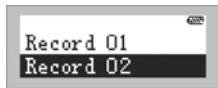
1. After turning on the power by pressing PLAY/STOP button, press the Menu button (in the middle of the rolling wheel), and then you can see the menu as illustration.



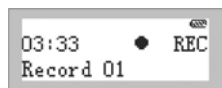
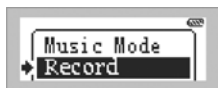
2. Select REC item, enter into the interface of Voice Recording (See illustration)



3. Now you can select the files to be played by the up/down button. Press the PLAY/STOP button to listen to the recorded files (see the left illustration) If there are no recorded files, the interface would be as following(see the right illustration):



4. Then press Mode button (in the middle of rolling wheel), you will see the function menu under the Voice Recording mode as following left illustration. Select Record in menu and press Mode button to start voice recording. The Recording interface is presented as the following right figure.



5. You could stop recording by pressing PLAY/STOP button momentarily and exit from Voice Recording mode and switch to MP3 function by select Function menu.

**Note: While recording, all buttons except PLAY/STOP or Hold button are not workable.**

## The menu under Voice Recording mode:

You can use the function menu to operate the Digital Audio under Voice Recording mode:

1. Turn on the Digital Audio by pressing Play/Stop button.
2. Press Mode button (in the middle of rolling wheel), select REC and press Mode button

again to enter the interface of Recording.

3. In the Voice Recording interface, you will see the function menu in the Recording mode by pressing Mode button (See illustration)



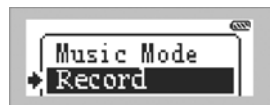
|              |
|--------------|
| Music Mode   |
| RECORD       |
| Del REC File |
| Memory Info  |
| Backlight    |
| Return       |

There is 6 items in the menu as showing. They denote such functions differently as: return to the Music mode, voice record, delete recorded files, display information about the memory, backlight, return to current interface

## Exit the voice recording mode

Completing recording, if you want to enjoy the music, you can exit the Voice Recording mode and switch to the Music mode using the menu.

1. Press Mode button (in the middle of the rolling wheel) in the Voice Recording mode to pops up the menu as following:



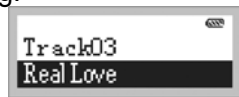
2. Use Last/Next (the upside/downside of the rolling wheel) to select Music Mode in the menu.
3. Press the Mode button to confirm, and then it will return to Music mode.

## To Delete files

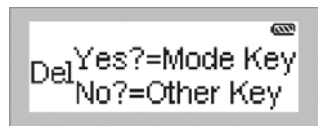
If you want to delete the files in the Digital Audio, you may do it by using menu. Also you can use the presented Digital Audio Manager Software to do so (more is to be mentioned behind).

You can delete songs in the Digital Audio by do following acts:

1. Press Play/Stop button for a while to turn on the Digital Audition.
2. Press Menu button (in the middle of the rolling wheel) to get the function menu.
3. Select Del File by NEXT/LAST ( the upside/ downside of the rolling wheel) in the menu.
4. Press Mode button to confirm the selection. Then following display will appear. The upper row shows which tract you have selected and the bottom row shows the name of the song.



5. Now you are allowed to select the files to be deleted. Press Mode button (in the middle of the rolling wheel) to pops up dialog box of delete as illustration. In this dialog box, press Mode button to confirm and if you will not delete the file please press any key to return to menu.



## EQ (Equalizer)

You can select different mode according to different music.

1. Press Play/Stop button to turn on the Digital Audio.
2. Press Mode button to get the menu.
3. Select EQ in the menu by the Next/Last button.
4. Press Mode button and the EQ menu would pops up.
5. Select the Equalizer mode  
There are five modes: JAZZ, CLASSIC, ROCK, POP and NORMAL The list of equilibrium effect pops up after selecting EQ as following:



|         |
|---------|
| JAZZ    |
| CLASSIC |
| ROCK    |
| POP     |
| NORMAL  |

Return

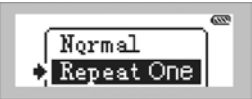
You can adjust the modes by the EQ menu.  
You could experience perfect Jazz, Classic, Rock, Pop sound effect by choosing suitable corresponding mode. Normal mode could bring you original sound effect.

If you don't want to change current settings, you can choose Return to exit

**Repeat mode**

If you'd like to listen to a song again and again, then you need change the Repeat mode.

- 1. Press Play/Stop button to turn on the Digital Audio
- 2. Press Mode button (in the middle of the rolling wheel) to get the menu
- 3. Select Repeat in the menu using Next/Last button (the upside/downside of the rolling wheel)
- 4. Press Mode button to get Repeat menu: Selecting Repeat, you can see the following interface and the Play Repeat mode can be changed. The mode includes: Random, Normal, Repeat All, Repeat, and Preview mode.



Normal  
Repeat One



03:33 ▶ MP3  
YES-Real Love

Repeat

|            |
|------------|
| Random     |
| Normal     |
| Repeat all |
| Repeat one |
| Preview    |
| Return     |



03:33 ▶ MP3  
YES-Real Love

Repeat All



03:33 ∞ ▶ MP3  
YES-Real Love

Random



03:33 ▶ MP3  
YES-Real Love

Preview Mode



03:33 ▶ MP3  
YES-Real Love

Normal

Repeat: Plays the current MP3 music repeatedly.  
Repeat All: Plays all MP3 music in order repeatedly until another operation is performed.  
Random: Plays all MP3 music at random and then stops.  
Preview: Plays every first 10 seconds of all MP3 music in order and stops after the last music has been played.

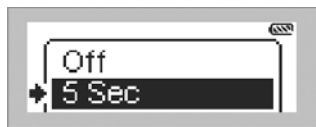
Normal: Plays the MP3 music in order and stops after the last music has been played.

If you don't want to change current settings, you can choose Return to exit.

## The Backlight

You will be attached to the blue backlight. You can setup how long the backlight will last according to your demands.

1. Select Backlight in the menu whether in the Music or in the REC mode.
2. Press Mode button and enter the menu of backlight as following:



You may choose to turn off the backlight or let the backlight on for 5, 10, 15, or 20 seconds each time the button is pressed.

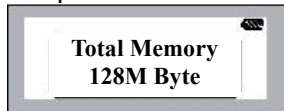
Off means the backlight won't be on in all cases. So the battery life will be prolonged.

5Sec, 10Sec, 15Sec, 20Sec means the backlight will be on for 5, 10, 15, or 20 seconds each time the button is pressed.

## Examine the utilization of the internal memory

You could examine the utilization of the memory without being connected to the PC.

1. Press Play/Stop to turn on the Digital Audio
2. Select Memory Info in the menu by pressing Last/Next (the upside/downside of the rolling wheel) button under Music or Rec. mode
3. Press Mode to confirm. The Digital Audio will pop up a dialog box as following to show the capacity of available memory. It will return to the Play interface after 2 seconds if there is no button pressed. **You could see the memory of the internal memory.**



## USB Connection

You could transmit MP3 files through USB port of your PC.

1. Make sure your PC support USB devices. (Refer to the manual of your PC for the information about hardware).
2. Connect your PC directly or by USB cable with digital audio.
3. LCD display window will show connecting picture if connection is finished. Just like the illustrator below.
4. If you have installed the attached software, the PC will automatically find the device when the Digital Audio is connected to the PC at the first time. If not, please install the manager software first.

We strongly recommend users install the provided management software under Windows 98/XP/2000.



## System Requirements

It is important to install Digital Audio manager software before connecting Digital Audio to PC. After putting the Installation CD into CDROM Drive, USB Driver is installed automatically. The Digital Audio manager software requires the following systems:

- ▣ IBM compatible personal computer
- ▣ Pentium 166 MHz MMX or faster
- ▣ Windows 98 SE, Windows 2000 or Windows XP
- ▣ USB Port
- ▣ 32MB RAM or more (64MB is recommended for Windows 2000)
- 33
- ▣ 20MB free hard-disk space or more
- ▣ 4 × CD-ROM drive or more
- ▣ Sound Card (Optional)
- ▣ Accessible to Internet (Recommended)

## Installation of Manager Software

Put the Installation CD into CD-ROM Drive and then it will be installed automatically. You should click the “Next” button on installation screens, and the Digital Audio Manager Software and USB Driver will be installed. It will remind you of restarting your PC when installation is finished. At last, “/Start/Program/Digital Audio Manager Software” is created in the Windows Menu, and the Digital Audio icon is also created on the Desktop window.

## How to use Digital Audio Management System

First connect the Digital Audio and your PC directly or with the USB cable. Then the Digital Audio's LCD Display Window will show picture if connection is finished.



Click the icon on the Desktop Then the interface of Digital Audio management system will be shown.



## Sending files to Digital Audio

Before sending, please turn on the Digital Audio and connect it to your PC directly or with presented USB cable.

1. Double click the icon on the desktop.

2. Select files. First, select the folder that includes the files to be transmitted from the left Program Manager. Then the files in the folder will be displayed in right column automatically. You could also select the files type in the menu on the top left corner to make your operation easier.



3. Click the Download button or select the "Download" option in the tool menu.
4. An interface of Copy will appear.
5. System will set up an EDISK directory automatically and place the non-audio files to EDISK in the removable disk of the Digital Audio after you download the non-MP3 or WMA files.
6. The management system will examine the Digital Audio automatically. When the USB cable is pulled out from the Digital Audio, the management system won't work.

**Caution:**

- 1) Do not pull out digital audio while a file is being downloaded. It will do harm to your Digital Audio.
- 2) If the Digital Audio cannot work by accident, take out the battery and reinsert it 3 seconds later. Reconnect Digital Audio to PC.
- 3) If you couldn't find the downloaded non-audio files in the removable disk of Digital Audio, please look into EDISK directory.
- 4) While you download file in Win98 OS, the transmitting must regard to player displaying. We simulate the transmitting by the player displaying motivation. When the motivation stop, which denote the transmitting finished, you can take out the player safely. The player do harm when you take out the player while the transmitting have not completed.

## Sending files from Digital Audio to PC

Digital Audio can also act as a removable electronic disk. You could send files in the disk to

your PC with the management system but the audio files are not permitted to send due to copyright protection. Only files in the EDISK are allowed.

1. Connect the Digital Audio and PC .
2. Select the files to be sent.
3. Click the Send button in the manager software.



4. The interface of transmission would be displayed.

**Caution:**

Do not pull out the digital audio while a file is being downloaded. Otherwise it will do harm to your Digital Audio.

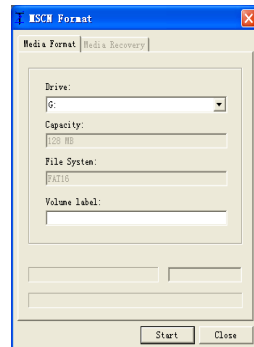
It is not permitted to transmit music files for copyright protection. System will warn you “it cannot be send” if you select MP3 or WMA files.

While you transmit files in Win98 OS, the transmitting progress must regard to player displaying. We simulate the transmitting by the player displaying motivation. When the motivation stop, which denote the transmitting finished, you can take out the player safely. The player do harm when you take out the player while the transmitting have not completed.

## Formatting the memory of Digital Audio

Before formatting, be sure that the Digital Audio is turned on and connected to PC.

1. Run the management system of Digital Audio on the desktop.
2. Click Format icon, the dialog box of format will pop up.



3. Click Start button it begins to format Digital Audio memory.

**Caution:**

All the files will be deleted by formatting the memory.

Do not disconnect while formatting. Or your Digital Audio may lose system files and cannot be started up.

## To Delete files

Besides deleting files directly by Digital Audio, you could also achieve this by using the management system of Digital Audio.

1. Connect the Digital Audio and PC; turn on the Digital Audio and run management system.



2. Select the files to be deleted.
3. Click the Delete button .  
You could also use the option of Deletion in the menu.

**Note:**

Once a file is deleted, it won't be restored.  
This operation cannot be used to delete the files in PC.

## To refresh USB connection

For safer use while connecting Digital Audio

and PC, you could click the Connection button in the management system of Digital Audio to refresh the USB connection.

### Internal Memory Display

The management system of Digital Audio can display the internal memory by numbers and figures.

In the above figure, yellow represents used memory while green available memory



### Pre-listen

After selecting a song in your PC, you could listen to it by using Digital Audio manage system.

1. Choose the song to be listened.



2. Click the Pre-listen button on the top right corner, and then you could enjoy pleasant music pieces from PC. Now, the Pre-listen

button changes into Stop button. Music will stop by clicking it again. If you want to listen to another song, you have to stop the current piece first and then go on to the next.

## **Trouble Diagnosis**

*1. The LCD display window shows nothing after turning on Digital Audio.*

- Check to see if the battery has been inserted.
- Check to see if the battery needs replacement.
- Try reinserting the battery or replace it.
- Take out the battery and insert it correctly after 5 seconds.

*2. The buttons are not workable.*

- Check to see if the "Hold" button is on.
- Release the Hold button.

*3. No sound could be heard while playing MP3 files.*

- Check to see if the volume is too low and turn it up.
- Check to see if the Digital Audio is being connected with computer.
- Check to see if there is any music file in the memory.

*4. I can't download music files after connection.*

- Check to see if Manager Software is setup.
- Check to see if the software is working properly.
- Check to see if your Mother Board supports the USB devices and needs upgrade.

*5. Some songs show the playback time not continuous*

Now some MP3 or WMA songs use VBR format to compress, so the player can not show the playback time normally. You can try to compress again by selecting normal ratting.

*6. Some MP3 songs can not play in the player*

Now some MP3 songs use the Mpeg I Layer1 or Layer2 format compressing, but the player only support the Mpeg I Layer3 and WMA songs, the other songs maybe play natural but will exist some problem in it. So you try to compress the songs by Mpeg I Layer3 format.

## **NOTICE:**

1. Please use provided format tool to format your MP3 player, it will not work if you use Windows® format tool. If you have not installed the provided Digital Audio Management System, please use the “delete” command to erase the files in your player. The MP3 player will be damaged if **formatted under Window’s format tool. Was genau soll das heißen?**
2. When transferring files between your MP3 player and PC, please watch the MP3 player’s LCD display. The transferring rate is displayed on the screen. The transmission is completed when the LCD stops displaying the transfer.
3. The “Plug and Play” function only works with Win® 2000/Win® XP operating system or higher.  
Under Win® 98/ Win® 98SE the driver has to be installed which is build into the Digital Audio Management System. If the device is still not displayed, please install the files of Win® 98 driver folder from the driver CD.

## Fixtool User Manual

We strongly recommend user do not format their Mp3 player under the Window’s formatting system without installing our audio management software. This is because it’ll lead the player halted or unable to function normally. However, if the above situation occurs, this fixtool is for users to solve the problem.

Please follow the steps for the installation and manual (Under Window XP):

1. After installing the Fixtool in the system, restart the PC.
2. Take out the battery in the halted player and connect the player to PC with USB cable, then put in a new battery into the player.
3. Press the “Play” button for 5 seconds, the PC will automatically detect a “Recovery Device”



click “Next”:



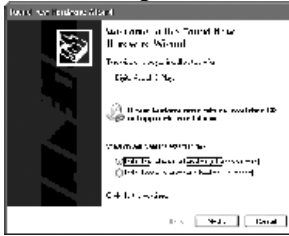
Choose the option of installing the system automatically, and the system should be able to detect a “Player Recovery

Device”. If not, follow the installation window and click “next”:

Click “Next”:

If system need you choose directory for installation, please select the directory such as “C:\program files\digital\AudioMS”.

After installing the hardware, click “Format AudioMS” in the “Digital AudioMS Player” menu (as shown below):



The system should be able to detect the device this time, click “next” to continue:

Click “next” the system will select device automatically, if the system can not be able to run automatically, please choose the your installation path. Installation path as below “C:\program files\digital\AudioMS”



After finding the device, run the “Format AudioMS” in the “Digital AudioMS Player” menu and click “start” to start formatting. The player should be able to function normally after the formatting process.(only if the start button show effective , and the media option and capacity option show correctly number, it proves you get correctly device.)



Choose “unplug or eject hardware” in the toolbar, then remove your player safely. The player should be able to function normally now.

**Note: Please refer to the above instructions for Window 2000 and 98.**

## Fechnique Spec

|                   |                |
|-------------------|----------------|
| Memory Size       | 64/128M        |
| Volume adjustment | 32 level       |
| LCD               | 96*26 pixel    |
| Size              | 95*32*21(mm)   |
| SNR               | 90dB           |
| Output Frequency  | 20HZ-20KHZ     |
| Record Format     | ADPCM          |
| Compress Rate     | 32Kbps-256Kbps |

## Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## Caution:

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.