

INTRODUCTION

Thank you for purchasing the Zartek waterproof MP3 player which lets you listen to music or the radio whilst you swim, surf, bath, shower, do water sports or other activities. This player utilises an innovative multi-direction key for easy single-handed operation. Other unique features include a 2 colour LCD screen, FM recording, Telephone book and Text read. Please take a few moments to read this manual as it contains operating instructions and important information.

Visit our web site www.zartek.co.za for the latest product information, driver downloads and Tel_book driver software. For any queries please contact us via email: info@zartek.co.za

COPYRIGHT

Voices or sounds recorded cannot be used in ways that infringe copyright laws. Note that some restrictions apply to the recording of performance, entertainments and exhibits, even when intended purely for personal use. Users are also asked to note that the transfer of memory containing data or MP3 files protected under copyright laws are only permissible within the restrictions imposed.

WATER

This MP3 player is designed for use underwater and meets IPX7 standards: Protected against water immersion - Immersion for 30 minutes at a depth of 1 meter.

The earphones (Water resistant IPX6 standard) need to be used with the supplied rubber plugs when totally submerged in water.

WATER RESIST EARPHOME

If not totally dipping into water, take off the rear cover for good Sound quality.

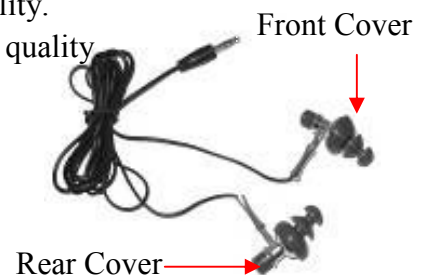
If using in dry environment, take off the front & rear cover for good Sound quality

If totally dipping into water, put on the front and rear cover

After each use, briefly rinse off the entire unit with fresh, clean water.

Shake out any water blocking the earphone's ear bud opening.

Do not try and force water into the audio tubing of the earphone headset.



Caution:

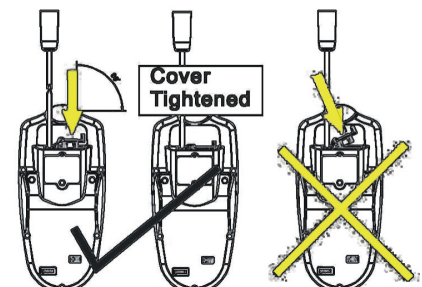
Before use in water, check that the USB cover is tightened.

User should insert (perpendicularly) the cover to the USB slot as shown and make sure the cover do not deform.

After each use, briefly rinse off the entire unit with fresh, clean water.

Shake out any water blocking the earphone's ear bud opening.

Please make sure NO WATER inside the USB connector and USB adaptor before connecting to computer.



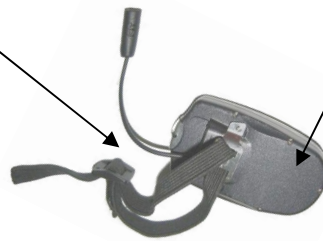
Do not try and force water into the audio tubing of the earphone headset.

Do not use MP3 player below one meter and for more than 30 minutes at a time

Never unscrew the player as the **warranty will not be valid** if any screws had being loosened.

• Arm band Assembly (OPTION)

Metal plate + Elastic Band
Plastic clip + Stainless Screws



• MIC (OPTION)

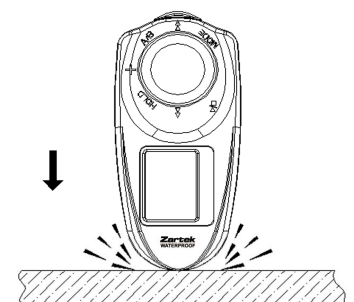
Microphone is mounted at the bottom casing as seen in the picture.

SPECIFICATIONS

- Support MP3, MPEG I/II Layer 2/3 Windows Media Audio (WMA) formats
- 1 GB USB flash memory
- No drivers needed (except Windows 98)
- Built-in sound equalizer (7 levels)
- 2-color OLED display
- A-B Repeat function
- Tel-book and E-book (text read)
- FM tuner and FM recording
- Support firmware upgrade, digital recording, and can used as non-driver disk
- Supporting ID3 information (synchronized display of song & lyrics)
- Built-in lithium rechargeable battery
- 3-level battery monitoring system.
- Battery charge time: 2 hours
- Operating time off single charge: 5-6 hours
- Dimension: 38*18*80mm
- One hand operation and no push keys construction
- MWK: Multi-directional waterproof key management (patent pending)
- Multi key management: one-key operation

RESET

In case of electrostatic discharge or abnormal operation, the product may not function properly and will require a manual reset. User can hit the machine on a hard top surface to reset the machine as seen in the picture.



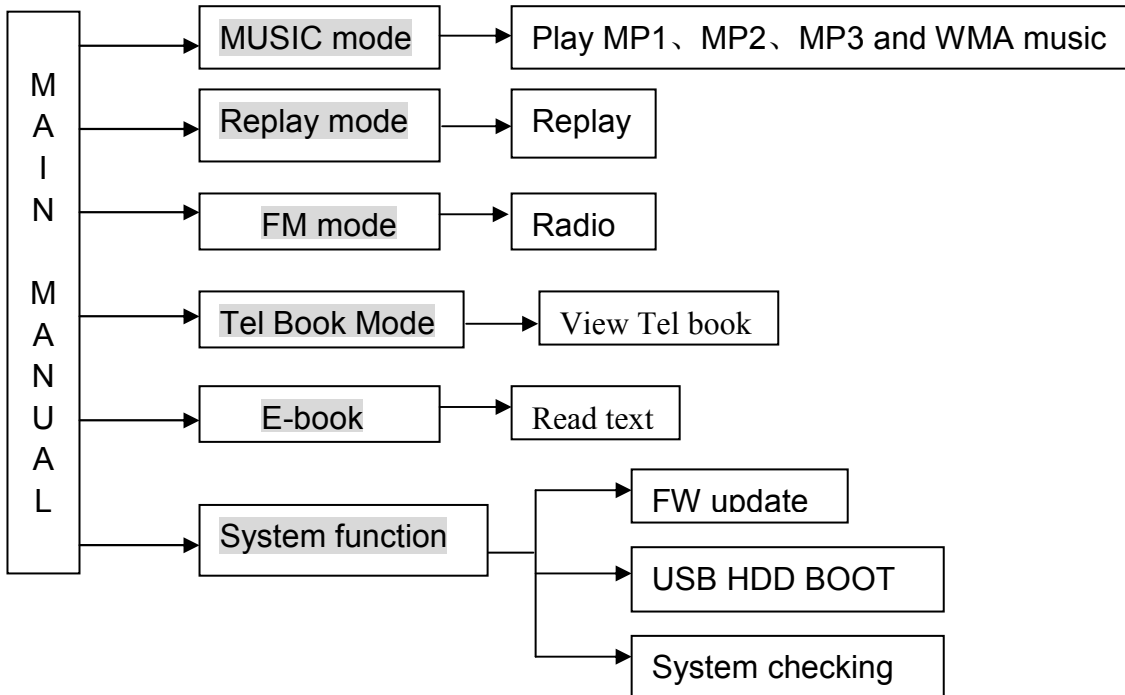
GENERAL

- Clean the unit with a damp cloth and fresh, clean water after each use and blow air under key to remove water.
- Do not tamper with the internal components.
- Do not make any changes or modifications to this product.
- Keep your player away from any strong magnetic fields. Exposure to magnetic fields may cause the memory to get erased or even damaged.
- Do not use excessive force when handling the player.
- Keep your player in a dry, well-ventilated place to prevent it from moulding.

1 SUMMARY

This player can support 2-color OLED, USB Disk memory, FM radio, view Tel and E-book.

1.1 Function Diagram



2 INTERFACE

OLED display, eight keys multi-directional control system, and two ports.

2.1 OLED Module

2 - color OLED (128×64) display.

Chinese character lattice 12×12 (11×12wide×high) , English character lattice 6×8 (5×7wide×high) .

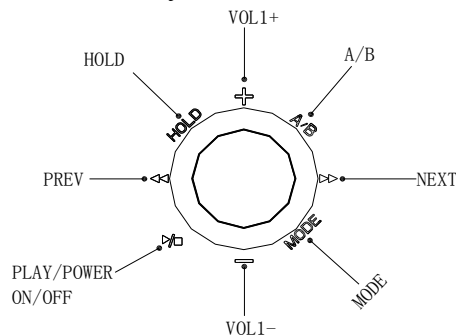
The whole display depart 11 area of 128*64 display as following picture:

2.2 Multi-directional control system and Port

2.2.1 Multi-directional key management

2.2.2 One USB port, one earphone jack

※ Appearance & Keys



2.3 Description of key push

Push buttons including : short push, long push, push and hold

2.3.1 Short push : For push 《1.2second; (Play、 Stop; PREV music, next music) ;

2.3.2 Long push : For push >1.2 second. (power on/off, fast forward/ fast backward)

2.3.3 Push and hold: Long Push then works before you release the button.

2.4 Supporting language

Simple Chinese, Traditional Chinese, English, Japanese, Korean, German, French, Italian, Spanish, Swedish, Czechish, Dutch, Portuguese, Denmark & Polish

2.5 Battery

2.5.1 Battery displays 3 levels.

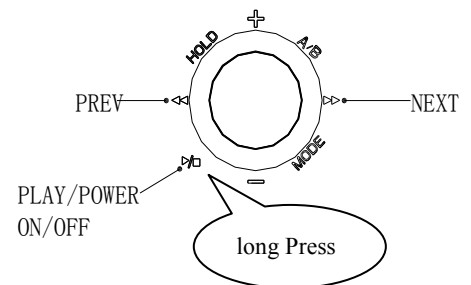
2.5.2 □ indicating the machine is low battery; ■ indicating the battery is full.

3 POWER ON/OFF

3.1 Power on: Power on the machine by long push [PLAY] key.

3.2 Power off: In stop mode, system will enter into auto power off mode if no key being push for few seconds

3.3 Low battery: It will auto power off and enter into standby mode. Please charge up the battery immediately.



4 MAIN MENU

4.1.1 The function of player includes MUSIC, REPLAY, FM, System, Tel Book and E-book.

Key function

4.1.1.1 The highlighted circle move to right by short or long push [NEXT] key.

4.1.1.2 The highlighted circle move to left by short or long push [PREV] key.

4.1.1.3 Enter the selected mode by short push [MODE] key.

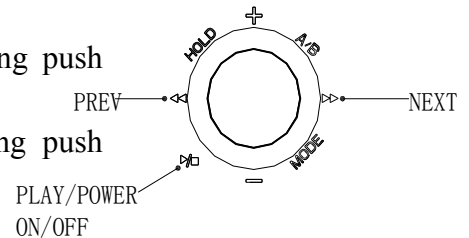
4.1.1.4 Exit the selected mode by long push [MODE] key.

4.1.1.5 Enter record function block and begin to record by short push [A/B] key, it recovers current state when return.

4.1.1.6 Long push the [PLAY] key, it will power off automatically.

4.1.1.7 System will exit automatically if no key being push ed in 5 seconds

4.1.1.8 HOLD button: The player will hold when long push Hold key, the player will unhold when long push it again.



5 MUSIC

System can play MP3 and WMA. Its function includes repeat, follow repeat and compare repeat.

In common stop, play, lyric play, repeat process, delete, folder select and function select state.

System can play MTV film on music state (but only PLAY, STOP, PREV and NEXT key function can use used).

5.1 Stop interface

Current music will stop current playing position and user is waited for operation when enter to stop state. User can select current music on stop interface.

5.1.1 Key function

5.1.1.1 Long push [MODE] key: Enter main menu.

5.1.1.2 Short push [MODE] key: Enter stop menu state.

5.1.1.3 Short push [PLAY] key: Playing MUSIC.

Displaying "Format Error" if current file is wrong music file, it will return after 2 seconds.

5.1.1.4 Long push [PLAY] key: power off.

5.1.1.5 Push [NEXT] key: Switching to next music of current folder. The time of music will reset.

5.1.1.5.1 Displaying "00: 00: 00" on file total time if it is wrong file.

5.1.1.5.2 Push and hold [NEXT]: Fast forward the existing music

5.1.1.6 Push [PREV] key: Switching back to the previous music of current folder.

5.1.1.6.1 Displaying "00: 00: 00" on file total time if it is wrong file.

5.1.1.6.2 Push and hold [PREV]: Fast backing the existing music

5.1.1.7 Long push [+]: Increase volume.

5.1.1.8 Long push [-]: Decrease volume.

5.1.1.9 Short push [A/B]: Switch to record state and begin to record.

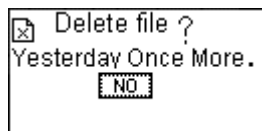


5.1.2 Stop menu interface

5.1.2.1.1 Delete function

At stop mode, short push [MODE] key to enter stop menu interface. Push [NEXT] or [PREV] key to select Local folder, Delete and Exit;

Short push [MODE] key to enter delete mode and push [MODE] key to delete



Delete one: means delete the selected file

Delete all: displaying "Delete all! " and auto return to main manual after 2 sec.

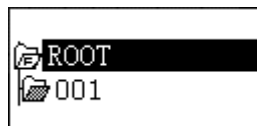
5.1.2.1.2 Key function

- Long push [PLAY] key: Power off.
- Short push [PLAY] key: Return to stop state.
- Short push [A/B] key: Switch to record state and begin to record.

5.1.2.2 Folder select interface

User can select valid folder (including Music file), so that can change current playing folder and confirm current disk or folder when entering.

5.1.2.2.1 Display as follows:



- ◆ Display folder name.
- ◆ Only displaying valid folder but also the root folder.

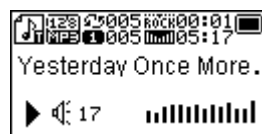
5.1.3.4.2 Key function

- Short push or long push [NEXT], selecting bar will switch to next folder and rolling with double row.
- Short push or long push [PREV], selecting bar will switch to PREV folder and rolling with double row.
- Pitching on the folder by short push [MODE] and return to stop state. If current folder is changed, do set current folder become the first, or file and play position wouldn't change.
- Long push [PLAY] to switch off the machine.
- Return to stop mode by short push [PLAY] key.
- Enter record function by short push [A/B].

5.2 MUSIC Playing state

5.2.1 It will display current music message when entering playing interface, and begin to play music and do continue play music from current position if it is switched from lyric playing state.

5.2.2 Displaying as follows:



5.2.3 Key function

- Short push [MODE] key: Enter playing menu.
- Long push [MODE] key: If it has lyric, it will enter lyric display; if it hasn't lyric, it will stop to play and enter main menu.
- Short push [PLAY] key: Enter stop display.
- Long push [NEXT] key: Fast forward until music end.
- Long push [PREV] key: Fast backward until music beginning.
- Short push [NEXT] key: Music will fade out after 2 seconds and jump to next music.
- Short push [PREV] key: Music will fade out after 2 seconds and jump to previous music.
- Short push [A/B] key: Enter repeat displaying, point "A" is confirmed.

5.2.4 Disposing wrong file

5.2.4.1 It will display format error when appears error file, after 2 seconds and return stop state.

5.2.5 Play menu interface

5.2.5.1 Push [MODE] key and enter into Play menu interface, providing the following function

(Repeat): Set A-B mode of music.

(Equalizer): Set EQ of playing music.

(Tempo Rate): Adjust the tempo rate of music (except WMA format).

(Replay): Enter repeat mode, beginning to repeat.

(Replay Times): Set repeat times.

(Replay Gap): Set repeat space very time.

(Exit): Return to MUSIC play mode.


5.2.5.2 Press [MODE] key to confirm the selected Play menu.

5.2.5.3 Auto return to MUSIC play mode if no key being pushed for 5 seconds.


5.2.6 Repeat set


5.2.6.1 Push [MODE] key and enter into repeat mode of playing music.


5.2.6.2 Item listing of repeat mode:


 (Normal) : After finishing play current folder music, playing next folder music.


 (Repeat One) : Repeat playing current music.

 (Folder) : After finished to play current folder and stop playing.

 (Repeat Folder) Repeat playing local folder music .

 (Repeat All) : Repeat playing all folder music .

 (Random) : Random playing all folder music .

 (Intro) : Repeat playing all music of local folder orderly.





5.2.6.3 Press [MODE] key to confirm the selected repeat mode




5.2.6.4 Auto return to MUSIC play mode if no key being pushed for 5 seconds.

5.2.7 EQ set

5.2.7.1 Push [MODE] key and enter into EQUALIZER mode.

5.2.7.2 EQ selecting listing:

 (Natural) (default) ;  (Rock) ;  (Pop) ;  (Classical)

 (Soft) ;  (Jazz) ;  (DBB)

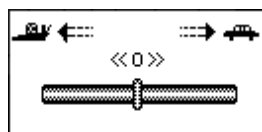
5.2.7.3 Press [MODE] key to confirm the selected EQ mode

5.2.7.4 Auto return to MUSIC play mode if no key being pushed for 5 seconds.

5.2.8 Tempo rate interface

5.2.8.1 Push [MODE] key and enter into Tempo rate mode

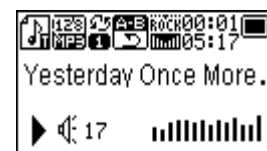
5.2.8.2 Push [NEXT] or [PREV] to change the tempo rate, (not valid for WMA format).



5.2.9 Replay MODE

5.2.9.1 Push [MODE] or [A/B] key to enter Replay mode



5.2.9.2 Manual repeat






5.2.9.2.1 Enter manual repeat with Replay ICON  and “A” twinkles.

5.2.9.2.2 short push [NEXT] or [A/B], Point “A” is confirmed and point “B” twinkles.

5.2.9.2.3 short push [NEXT] or [A/B], Point “B” is confirmed and then starts to repeat playing from point A to B.

5.2.9.2.4 short push [NEXT] key, Replay icon  changes to Follow Read icon  , and record sound

of users is recorded. The recording time is as long as A-B segment.

- 5.2.9.2.5 After recording time, the icon changes to  and original sound is played. Push [NEXT] button to enter Comparison. At this mode, push [PREV] key may return to A-B Replay Mode.
- 5.2.9.2.6 Enter displaying Comparison mode by short push [NEXT] key, the icon changes to  and the recorded sound of users is played
- 5.2.9.2.7 After playing the recorded sound, the icon changes to  and original sound is played
- 5.2.9.2.8 After playing the original sound, the recorded sound is played again. The whole procedure will not stop (without limitation by Replay Times) until press [MODE] to exit.


5.2.10 Replay times

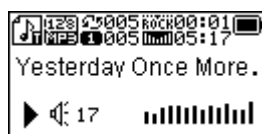
- 5.2.10.1 Replay times mean that after A-B segment has been replayed up to fixed times, it will exit from Replay Mode. The range of times of replay is from 1 to 10 times.

5.2.11 Replay gap

- 5.2.11.1 Replay gap means the break period between different playing times (from 1 to 10 second)

5.3 Lyric playing

- 5.3.1.1 If the current song has matching lyric files, the icon  will turn on next to the battery indicator. Long push [MODE] key while music playing, displays the corresponding lyric.



5.3.2 Key function

- 5.3.2.1 Short push [MODE] key: return to play state.
- 5.3.2.2 Short push [PLAY]: exit lyric state and enter stop state.
- 5.3.2.3 Long push [NEXT]: fast forward until music end.
- 5.3.2.4 Long push [PREV]: fast backward until music beginning.
- 5.3.2.5 Short push [NEXT]: switch to next music.
- 5.3.2.6 Short push [PREV]: switch to PREV music
- 5.3.2.7 If it is wrong file, it will display "00:00:00" on file total time.
- 5.3.2.8 [A/B]: invalid

6 FM RADIO

Enter play mode, the present station saved will be recovered.

Displaying as follows:

6.1 Listening to the radio

The present frequency value of the new player is at 87MHz.

- 6.1.1 Auto scan: push [MODE] key and select Auto Search
- 6.1.2 Push and Hold [NEXT] / [PREV] key, search and save next station.
 - 6.1.2.1 It can increase volume by long push VOL+.
 - 6.1.2.2 Enter main menu by long push [MODE] key.

- 6.1.2.3 Enter FM submenu by short push [MODE] key.
- 6.1.2.4 It will power off by long push [PLAY] key.
 - 6.1.2.4.1 Jump to next saved station by short push [PLAY] key.
- 6.1.2.5 Enter record mode by short push [A/B] and begin to record, you can still listen to the radio.

6.2 FM submenu

Save: Save present station.

Record: Record present station.

Delete: Delete the present station.

Delete All: Delete all saved stations.

Normal Band: FM submenu (87-108MHz) .

Japan Band: FM station frequency of Japanese (76-90MHz) .

Exit: Exit menu.

7 REPLAY FM RADIO RECORDING

7.1 Stop interface function instruction

7.1.1 Display current recorded message and wait for user operation when enter stop state.

7.1.2 Key function

7.1.2.1 Long push [MODE]: enter main menu.

7.1.2.2 Short push [MODE]: enter stop menu display.

7.1.2.3 Short push [PLAY]: begin to play recording.

7.1.2.3.1 It will display error if current file is wrong.

7.1.2.4 Long push [PLAY]: power off.

7.1.2.5 Short push [PREV]: switch to previous record file of current directory.

7.1.2.6 Short push [NEXT]: switch to the next record file current directory.

7.1.3 Stop menu interface

7.1.3.1 Push [MODE] to select Local folder, Delete file and Exit.

7.1.4 Folder selecting interface

7.1.4.1 User can select current folder.

It is on current disk and folder when enter replay mode every time.

7.1.4.2 Key function

Push [NEXT] key, selecting bar will switch to the next folder.

Push [PREV] key, selecting bar will switch to the previous folder.

Short push [PLAY] key, exit stop state.

Long push [PLAY] key, it will power off.

7.1.5 Delete interface instruction

7.1.5.1 Confirming delete display: it is same as music file deleting but the next file will change to record file.

7.1.5.2 Key function (Referring to music file deleting.)

Short push [MODE] key: Confirming current item and return to stop state.

Short push [PLAY] key: Cancelling current item and return stop state.

Long push [PLAY]: power off.

8 E-BOOK (TEXT READ)

The text files (*.TXT) be save at root directory of U-disk.

Push [Menu] button to enter sub-menu, then push [NEXT] / [PREV] key to choose text files.

“No files!” shows on display if no file stored.

9 TEL BOOK

1. Enter main menu:
2. Press the▶▶/◀◀ button to select the Tel Book mode:
3. Press **Mode** button enter Tel Book submenu interface :
4. Submenu options introduce:

➤ Browse Tel

Users can browser the Tel Book information in MP3 player.

➤ Import Tel file

Use the telephone directory processing tool can create the Tel Book file of Tel_save.bin in PC, put it in root directory of U-disk; this function can import it in MP3 player.

➤ Export Tel file

This function can export the Tel Book information from MP3 player and save it is make a readable text file of Tel_Expt.bin in root directory of U-disk.

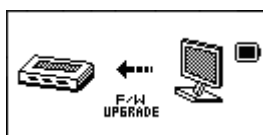
10 U-DISK

Realize standard function of USB Disk.

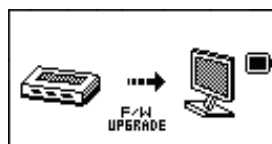
- Including three states: Ready、Download and Upload.
 - Ready means UDISK is standby state.



Download



Upload



11 BATTERY CHARGING

Connect USB cable to MP3 player and other end to the USB pore on a computer, laptop or 5v DC supply.

LCD screen will show charging (battery icon segments are gradually filled up).

Battery chare time: 2 hours

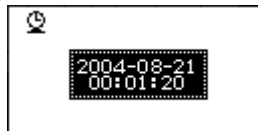
Operation time off single charge: 5-6 hours.

12 SYSTEM

- Push [MODE] to select Record time, Backlight set, Language, Power off, Replay Mode, contrast, Online Mode, Memory Info, Firmware Version, Firmware Upgrade and Exit

- **Record Time set**

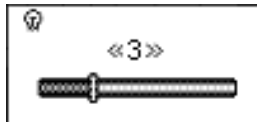
Push [MODE] to enter into Record Time setting



- Short push VOL+ key and enter Clock set, from year to minute.
- Long push [PLAY] key, it power off.
- Short push [MODE] key, it will select and exit.
- Short push [A-B] key enter RECORD mode and begin to record.

- **Backlight set**

- Press Mode button to enter “Backlight ” submenu:



- Press▶▶/◀◀ button to adjust time(from 0 to 9) and press Mode button to confirm.

- **Language setting**

- Push [MODE] to confirm the selected language

- **Power off**

Off time /Sleep time

- Select Off time /Sleep time by short pushing [PREV] / [NEXT] key.
- Selecting and enter off time or sleep time mode by short pushing [MODE] key.
- Cancel and exit by short pushing [PLAY] key.

- **Off time**

At stop mode, the idle time for auto off if no keys being pushed (00" -60")

- **Sleep mode**

Sleep Time means a fixed period of time (unit: minute) for the player to turn off automatically

when no keys being pushed (no matter in which mode & form 00'—120')

- **Replay mode**
 - Set working state of replay, manual mode & Auto mode.

- **Contrast mode**

Adjusting contrast, from 0 - 9

- **Online mode (not available)**

- **Memory Info**

Root information

 - Display memory info and used status
 - Exit by pushing [MODE] / [PLAY] key.
 - Enter record by short push [A/B] key.

- **Firmware version**

Display the firmware version of the machine

 - Exit by short push MODE/[PLAY] key.

- **Firmware upgrade (not available)**