

# **F850 USER MANUAL**

## **MP3 PLAYER / FM TUNER**

Thank you for purchasing our product.  
Please read this manual carefully before use.

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## **NOTICE**

High quality digital audio files can be copied using this product. Please use this function if local law permits.

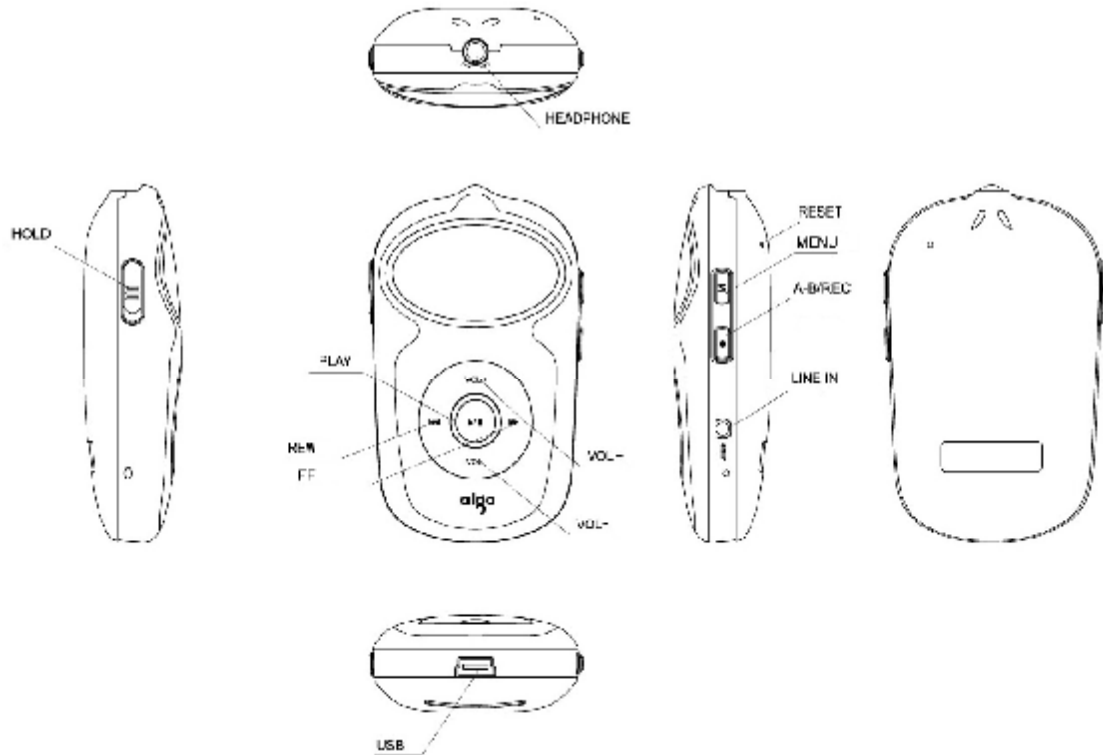
Our company may modify, update, and replace our products without prior notice.

## **UNIQUE FEATURES**






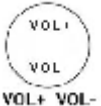

- I Unique Design
- I Multi-Codec Player  
Supports MP3 and WMA formats.
- I Digital FM radio and FM encoding  
FM radio mode provides a frequency range from 76Mhz to 108Mhz. It is able to record the currently playing program into digital audio files and save them into the the player's memory as you listen to the radio.
- I High quality voice recording  
You can make high quality voice recordings by setting the appropriate sensitivity and quality.
- I Moving disk  
Supports the USB mass storage protocol and can be used as a moving disk.
- I DIY Animation  
The player provides an CD to install the graphics software for startup. You can use this to make animations for your MP3 player.




## CONTROLS

### GENERAL OVERVIEW



### BUTTON/INTERFACE FUNCTIONS

PLAY		<ul style="list-style-type: none"> <li>Press and hold to turn on or off.</li> <li>To confirm a selection</li> <li>To shift between play and pause</li> </ul>
REC		<ul style="list-style-type: none"> <li>Press and hold to start recording.</li> <li>To perform A-B repeat.</li> </ul>
HEADPHONE		Earphone output
MIC		Microphone
USB		USB connection interface/charger input
VOL+ /VOL-		<ul style="list-style-type: none"> <li>To increase / decrease volume.</li> <li>Enter / Exit the folder in SYS mode.</li> </ul>
FF / REW		<ul style="list-style-type: none"> <li>Press once to perform the menu function.</li> <li>Press to select the previous / next file in MUSIC/VOICE, or station for the radio.</li> </ul>

		E Press and hold to Fast forward/Rewind while playing music or voice files.
MENU		E Press and hold to activate a selected mode, among MUSIC/FM/VOICE//SYS. E Press to Enter/Exit the menu
HOLD		E To put the system on hold.
RESET		E Restart

## LCD DISPLAY



- 1、Volume
- 2、Shut-off time icon
- 3、Cycle order
- 4、EQ icon
- 5、Battery icon
- 6、File name
- 7、Play time display
- 8、Playing time bar
- 9、Mode
- 10、Play/Pause/Hold icon
- 11、Current song /Total number of songs

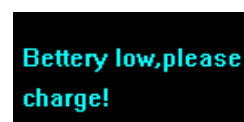
## BATTERY INDICATOR

Indicates 3 conditions: Full, middle, Low.



## CHARGE NOTICE

When battery icon is changed into low, the player displays:



## SPACE REMINDER

When memory is full, the player displays:




## BASIC OPERATION

### TURN ON/OFF

#### TURN ON/OFF



Press  and hold to turn the player on. To turn it off, do the same.

Note:

- 1 The system will automatically save the current state and settings when the player is turned off, and will resume the saved state the next time the player is turned on.
- 2 The system will automatically shut off if it is idle for 1 minute.

## SYSTEM DIRECTORY

VOICE folder: Only MP3 files are played under the VOICE folder.

Note:


The MP3 files from line-in or FM encode will be saved under the boot folder, MP3 files from microphone recordings will be saved under the VOICE folder.

### SYSTEM MODE

MODE	FUNCTION
MUSIC	Play music files
FM	Listen to the radio / FM record
VOICE	Play / record voice files
SYSTEM	System files/settings management

### MODE SWITCH





Press down  to switch among four modes.

#### SETUP/QUIT THE MENU


EXP: EQ setting in the MP3 mode




Step 1: After pressing , the menu list will be shown in the lower

area of LCD; dial left/right  to search through each menu . Find the EQ option.




Step 2: Press  to confirm the EQ option, and the EQ option list will appear in the lower portion of the LCD , you can dial



left/right  to search for POP in the EQ option.




Step 3: Press  to confirm the pop option.



Attention: the icon has changed

The sound effect will be pop while playing music, and the pop icon will be shown in the LCD window.

Quit the menu: press down  to quit menu function.

## INSTALLING THE SOFTWARE ON YOUR PC

Supports USB mass storage protocol.

If you are running Windows 98 se/2000/ME/NT/XP, Mac OS 9.X, Linux 2.4.X, this player will be recognized by the PC automatically and installation of any communication software is unnecessary.

Installing the mass storage protocol under Windows 98 :

1. Insert the installation CD into the CD-ROM drive.
2. Connect the player to your PC using the USB cable.
3. Click "Next".



Click "Next"





Click "Next"



Continue to click "Next" the installation is finished



After you're done with the installation, you will find a new moving disk on your PC. You can copy and/or move files between the player and the PC.

**NOTE:**

When you want to transfer files from your computer, use the USB cord. Do not pull out the player while there are files in the process of being transmitted; this may cause damage to existing files in the player. The picture on the right shows an incorrect method.

The correct method of disconnecting the USB cord : Left click the Safely Remove Hardware icon. A window will pop up, click "stop USB Mass Storage Device". When a window pops up saying it's safe to remove hardware, you may disconnect the USB cord.

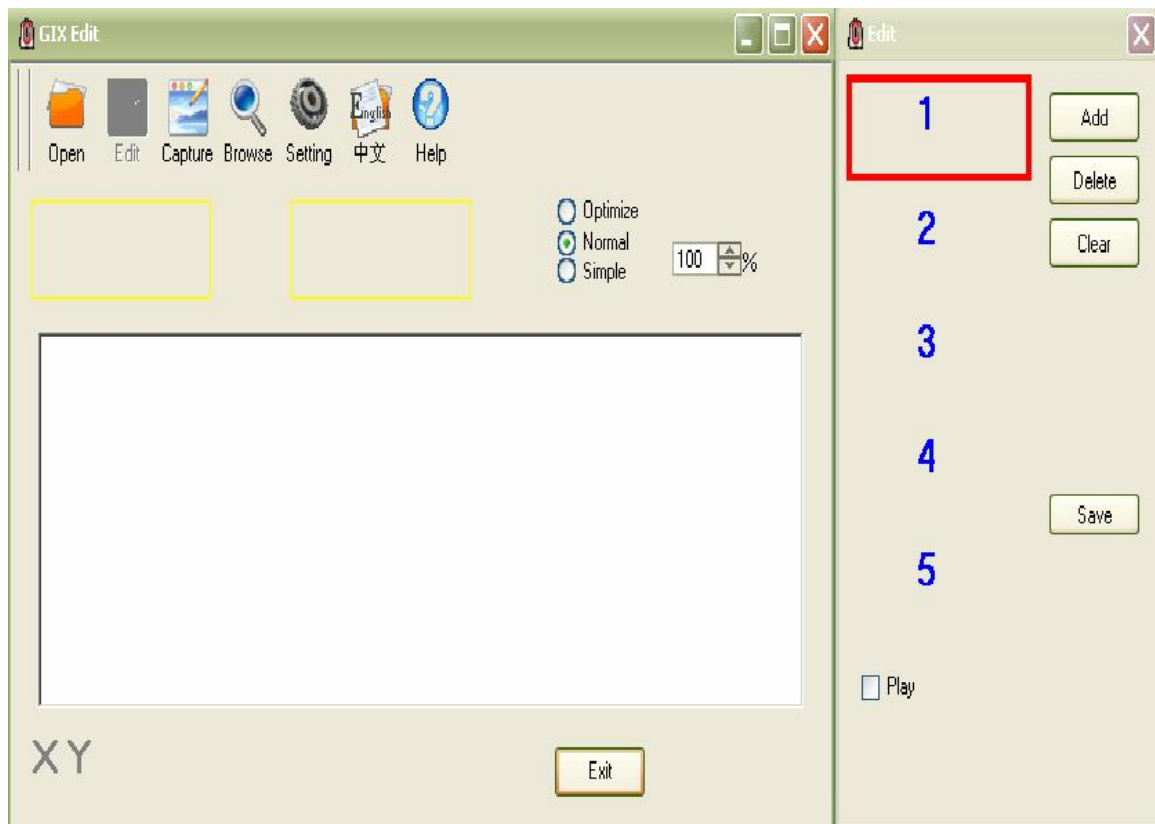


**STARTUP ANIMATION DIY**

You can use Flash graphic software tool "GixEdit", to make startup animations for your MP3 player.

\*Note : When saving the animation, it must be saved in the ROOT folder of your MP3

player. Also, modify the file name as “splash.gix”.



## PARTICULAR OPERATIONS

### 1 MUSIC MODE

#### 1.1 THE LCD DISPLAY



- E 1、Volume
- E 2、Shut-off time icon
- E 3、Cycle order
- E 4、EQ icon
- E 5、Battery icon
- E 6、File name
- E 7、Play time display
- E 8、Playing time bar
- E 9、Mode
- E 10、Play/Pause/Hold icon
- E 11、Current song /Total number of songs

#### 1.2 VOLUME CONTROL




Press **Vol+ / Vol-** to control the playing volume.


### 1.3 PAUSE/PLAY

When playing music, press  to play/pause.

### 1.4 MUSIC FILES SELECTION

Press  to choose the next or last music file.

### 1.5 FAST FORWARD / REWIND

Dial left/right  and hold to fast forward/rewind

### 1.6 EQ SETTING

一般設置音效：


Step 1: Press down  to enter the menu selection.

Step 2: Press  to select the "EQ" option

Step 3: Press  to select the EQ mode you prefer.



用戶自定義設置音效：

Step 1: Press  to enter the menu selection.

Step 2: Press  to select the "EQ" option

Step 3: Press  to select the EQ mode you prefer

Step 4: Dial left/right  to select the band.


Step 5: Press  , to turn DB.

Step 6: Press  to confirm the EQ setting.




There are seven options to choose from : Normal/POP/Rock/Live/Classic/Sasha/Custom

## 1.7 TIME DISPLAY SETTING

Step 1: Press down  MENU to enter the menu selection.

Step 2: Press  PLAY to select the "TIME" option.

Step 3: Press  PLAY to select the time display mode you prefer.



There are three options to choose from : SEQUENCE (default) , REVERSE , NONE.

## 1.8 CYCLE SETTING

Step 1: Press down  MENU to enter the menu selection

Step 2: Press  PLAY to select the "CYCLE" option

Step 3: Press  PLAY to select the cycle functions you prefer.



There are three options to choose from: ALL (default)/ONE/NONE/RANDOM.

## 1.9 SPEED SETTING

Step 1: Press  MENU to enter the menu selection

Step 2: Press  PLAY to select the "SPEED" option

Step 3: Press  PLAY to select the speed you prefer.




There are four options to choose from: NORMAL (default), FAST, SLOW1, SLOW2.

## 1.10 INDEX SETTING

This operation can quickly help you find the music you want to hear. If the index function is selected, the player will play the beginning 10s of each song.

### 1.10.1 START


Step 1: Press  MENU to enter the menu selection.




Step 2: Press  to select the "INDEX" option.



### 1.10.2 QUIT

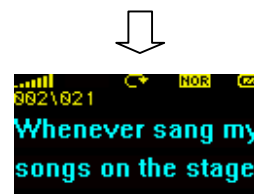
Press  to play the song normally.

### 1.11 LYRIC

Step 1: Press  to enter the menu selection.




Step 2: Press  to select the "LYRIC" option.



To show lyrics :

- 1, Please create an ".lrc" lyrics file
- 2, Identically name the song and lyrics file;
- 3, Save these files in the same folder ;
- 4, Turn on the "lyrics show" function to see the lyrics..

### 1.12 DELETING FILES

Step 1: Press  to enter the menu selection.



Step 2: Press  to SELECT the "DELETE" option.


Note: This operation will delete the current song.

### 1.13 MARK A-B

The Mark A-B operation lets the user select a specific time frame within a song that will be played repeatedly.

#### 1.13.1 START

While playing music, Press  to start THE MARK A-B function .

Step 1: While playing music, Press  for the first time to confirm point A.



Notice the blinking "A-" icon



Step 2: Pressing **AB/REC** for the second time will confirm point B, the end of the repeated section.

Step 3: The player will automatically begin to repeat the selected section

Picture 1 : point A setting



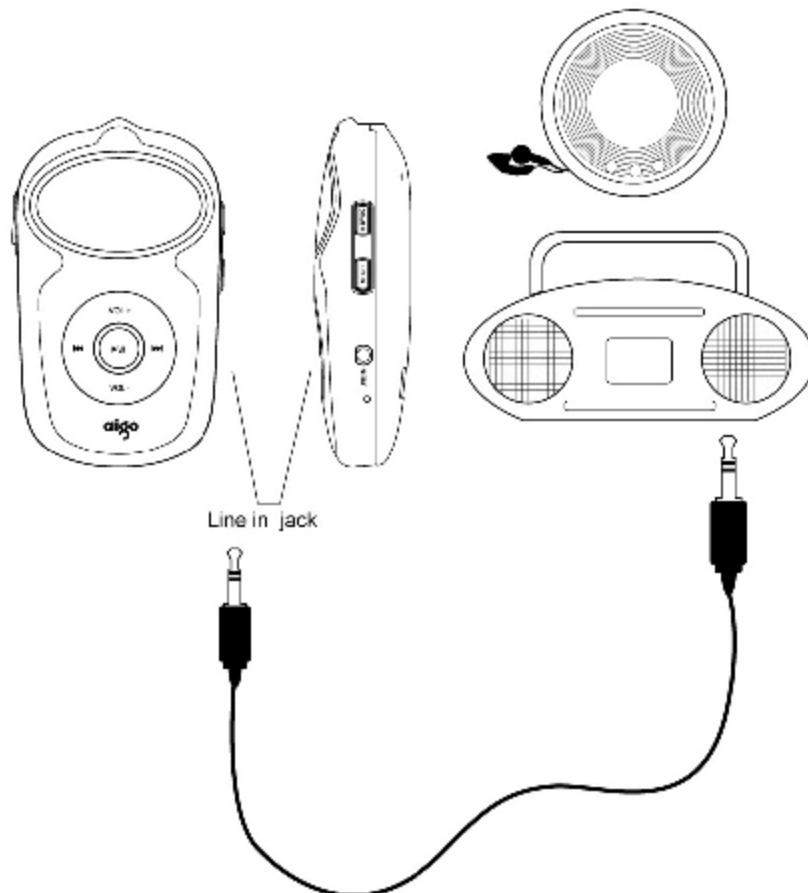
Picture 2 : point B setting

### 1.13.2 QUIT



Press **PLAY** to quit the Mark A-B function and resume the normal playing state.

### 1.14 MP3 LINE IN RECORDING



Step 1: Connect the cable of the sound source into the player

Step 2: Begin playing the sound source.



Step 3: Press **AB/REC** and hold to enter the music recode mode and start recording, the picture on the right will be shown on the LCD screen.





Step 4: Press to stop recording

Note:

While recording, please ensure that the volume is high enough. In most cases, the higher the volume is, the better the sound quality will be.

### 1.14.1 LINE IN SETTING

#### 1.14.1.1 MPEG SETTING



Step 1: Press to enter the menu selection.



Step 2: Press to select the "MPEG SETTING" option.



Step 3: Press to select the desired MPEG.



There are three options to choose from: MPEG-1(default), MPEG-2, MPEG-2.5

#### 1.14.1.2 SAMPLE RATE SETTING



Step 1: Press to enter the menu selection.



Step 2: Press to select the "SAMPLE RATE" option.



Step 3: Press to select the desired sample rate.



Note:

- According to the different MPEG mode you select, the sample rate will vary.  
If you selected MPEG-1, options are as follows: 32, 44.1, 48  
If you selected MPEG-2, options are as follows: 16, 22.05, 24  
If you selected MPEG-2.5, options are as follows: 8
- The higher the MPEG value selected, the better the recording effect.

#### 1.14.1.3 BIT RATE SETTING



Step 1: Press to enter the menu selection.



Step 2: Press to select the "BIT RATE" option.



Step 3: Press  to select the desired bit rate.



Note:

1, According to the different of MPEG mode you selected, the choice of bit rate will be different.


If you selected MPEG-1, options are as follows: 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256

If you selected MPEG-2, options are as follows: 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160

If you selected MPEG-2.5, options are as follows: 8

2. The higher the value selected, the better the recording effect.

#### 1.14.1.4 SILENCE SETTING

Step 1: Press  to enter the menu selection.

Step 2: Press  to select the "SILENCE" option.

Step 3: Press  to select the option




Note:

1. There are three options to choose from: LOW (default ), MID, HIGH .

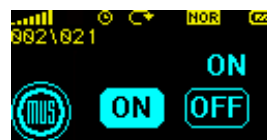
2. The operation influences the result of VAD. The higher the level you select, the higher the sensitivity will be.

#### 1.14.1.5 SYNCHRONIZING SETTING

Step 1: Press  to enter the menu selection.

Step 2: Press  to select the "SYN SETTING" option.

Step 3: Press  to select the option.




Note:

1, There are two options to choose from: ON (default)/ OFF

1、 When the synchronizing setting is ON, the system will automatically go to the next file if it can't detect an audio signal.

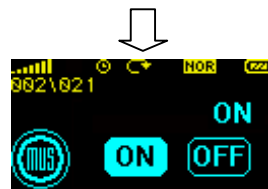


#### 1.14.1.6 VAD SETTING

Step 1: Press  to enter the menu selection.

Step 2: Press  to select the "VAD SETTING" option.

Step 3: Press  to select the option.



Note:

- 1、 There are two options to choose from: ON (default) / OFF.
- 2、 The operation decides whether or not to pause the line-in recording if the system can't detect an audio signal.
- 3、 The operation will have no effect if you select "ON" in SYNC option.

## 2 FM DIGITAL RADIO

The FM radio mode provides an FM frequency of 76Mhz to 108Mhz FM

The player can preset many FM stations and has an automatic scan function.

### 2.1 LCD DISPLAY

- 1、 Volume
- 2、 Shut-off time setting icon
- 3、 FM search mode
- 4、 stereo icon or mono icon
- 5、 Battery
- 6、 Station frequency
- 7、 Station frequency bar
- 8、 FM icon
- 9、 FM Radio icon
- 10、 Current Station /The total number of stations




### 2.2. SEARCH MODE SETTING

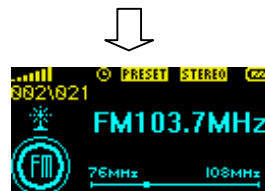
There are two kinds of FM station searching modes: PRESET mode and TUNING mode.

#### 2.2.1 SWITCH BETWEEN PRESET AND TUNING MODE


Under TUNING mode

Step 1: Press  to enter the menu selection.

Step 2: Press  to select the "PRESET" option.




Under PRESET mode

Step 1: Press  to enter the menu selection.

Step 2: Press  to select the "TUNING" option.



## 2.2.2 AUTO SCAN

Step 1: Press  to enter the menu selection under the PRESET / TUNING mode.

Step 2: Press  to select the "AUTO SCAN" option.



The MP3 player can save any FM station you find as a preset, and will give it a series number.


Note:

The earphons also function as an antenna. Please use the earphones when searching for stations.

## 2.2.3 Selecting FM Stations

Dial left/right  to select the next / previous FM station in the PRESET mode.

## 2.2.4 FM STATION DELETE


Step 1: Press  to enter the menu selection under the PRESET mode.

Step 2: Press  to select the "DELETE" option.



Note: After deleting a preset radio station, the player will automatically renumber the remaining stations.

## 2.2.5 DELETING ALL PRESET STATIONS

Step 1: Press  to enter the menu selection under the PRESET mode.

Step 2: Press  to select the "DELETE ALL" option.




## 2.2.6 MANUAL SETTING

Step 1: Under TUNING mode, Dial  left/right to change the radio frequency by 0.1Mhz.

Step 2: Press  to save a radio frequency.


Notice: The earphons also function as an antenna. Please use the earphones when searching for stations.

## 2.3 MUTE MODE

While playing, press  to enter the mute mode; press again to exit.

## 2.4 NOISE AVOIDANCE SETTING

While listening to the FM radio, the user can use this function to dispel any noise.

Step 1: Press  to enter the menu selection.

Step 2: Press  to select the "STEREO" option.


Step 3: Press  to select the "OFF" option.



Note: when the noise avoidance function starts, the stereo mode will be turned off.


## 2.5 FM MP3 ENCODING

When you are listening to the radio, press  and hold to start the FM mp3 encoding,

Press  to stop the encoding.


The files recorded will be saved in MP3 format in the system directory MUSIC.

## 2.5.1 START

When the radio is playing, press  and hold to start the FM mp3 encoding.



## 2.5.2 STOP


Press  to stop while recording.

Note:

- 1、 The files recorded will be saved with the name “ FM\_X. MP3 “ in the system root directory.
- 2、 When encoding, the system maybe find that memory is insufficient and will display “No SPACE” on the LCD screen. At this time, the encoding operation will be stopped.

## 2.5.3 FM ENCODING SETTING

### 2.5.3.1 MPEG SETTING

Step 1: Press  to enter the menu selection.


Step 2: Press  to select the “MPEG SETTING” option.

Step 3: Press  to select the MPEG mode.



There are three options to choose from: MPEG-1(default), MPEG-2, MPEG-2.5

### 2.5.3.2 SAMPLE RATE SETTING

Step 1: Press  to enter the menu selection.

Step 2: Press  to select the “SAMPLE RATE” option.


Step 3: Press  to select the sample rate.




Note:

1. According to the different MPEG mode you select, the sample rate will vary.  
If you selected MPEG-1, options are as follows: 32, 44.1, 48  
If you selected MPEG-2, options are as follows: 16, 22.05, 24  
If you selected MPEG-2.5, options are as follows: 8
2. The higher the MPEG value selected, the better the recording effect.

### 2.5.3.3 BIT RATE SETTING

Step 1: Press  to enter the menu selection.

Step 2: Press  to select the "BIT RATE" option.

Step 3: Press  to select the bit rate.



Note:

1, According to the different of MPEG mode you selected, the choice of bit rate will be different.

If you selected MPEG-1, options are as follows: 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256

If you selected MPEG-2, options are as follows: 16, 24, 32, 40, 48, 56, 64, 80, 96, 112, 128, 144, 160

If you selected MPEG-2.5, options are as follows: 8

2. The higher the value selected, the better the recording effect


## 3 VOICE

### 3.1 LCD DISPLAY

- 1、Volume
- 2、Shut-off time icon
- 3、Cycle order
- 4、Battery icon
- 5、File name
- 6、Play/record time display
- 7、Playing time bar
- 8、Mode
- 9、Play/Pause/Hold icon
- 10、Current song /Total number of songs



### 3.2 VOICE FILE SELECTION

Dial left/right  to choose the next/previous voice file.

### 3.3 TIME DISPLAY SETTING

Please refer to operation 1.7 in MP3 mode.

### 3.4 CYCLE SETTING

Please refer to operation 1.8 in MP3 mode.

### 3.5 INDEX SETTING

Please refer to operation 1.10 in MP3 mode.

### 3.6 LYRIC DISPLAY

Please refer to operation 1.11 in MP3 mode.

### 3.7 DELETE THE PLAYING FILE

Please refer to operation 1.12 in MP3 mode.

### 3.8 MARK A-B

Please refer to operation 1.13 in MP3 mode.

### 3.10 DIGITAL VOICE RECORD

This player offers high quality digital recording. The internal microphone can be used to record voice. The files recorded will be saved in MP3 format in the system directory VOICE.

#### 3.11 START

When you are ready to record, press



AD/REC and hold to begin recording.



#### 3.11 STOP



Press PLAY to stop recording.

Note:

1. The files recorded will be saved as "VOICE\_X.MP3" in the system directory VOICE.
2. When encoding, the system maybe find that there isn't sufficient memory, and the LCD screen will display "No SPACE". At this time, the encoding operation will be stopped.

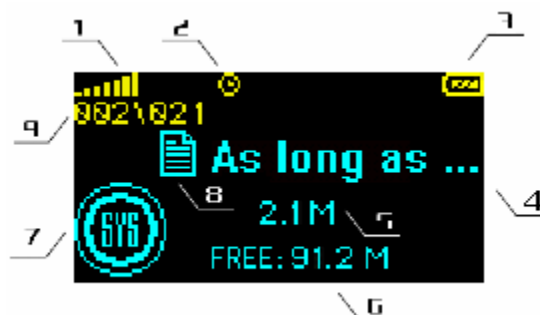
#### 3.13 VOICE RECORD SETTING

The operations in VOICE mode are the same as those in FM mode. Please consult, operation 2.5.3.

## 4 SYSTEM

### 4.1 LCD DISPLAY

- 1、Volume
- 2、Shut-off time setting icon
- 3、Battery
- 4、File name
- 5、File capacity
- 6、Free space
- 7、SYS icon
- 8、File/Folder icon
- 9、Current file number/Total Files.



### 4.2 REVIEW YOUR FILES

In management mode, press  key to review all your files. The file icon



indicates a folder, the file icon  indicates a file, and users can press  to

enter or exit the folder.


#### 4.3 DELETING FILES

Step 1: Press  MENU to enter the menu selection.

Step 2: Press  to select the "DELETE" option.



#### 4.4 SCREEN SAVER SETTING

Step 1: Press  MENU to enter the menu selection.

Step 2: Press  to select the "SCR SAVER" option.

Step 3: Select the screen saver display time.




There are 3 levels to choose from.

10S (shuts off after 10 seconds)

30S (shuts off after 30 seconds)

OFF (Cancel screen saver)

#### 4.5 TIME SHUT-DOWN TIME SETTING

Step 1: Press  MENU to enter the menu selection.

Step 2: Press  to select the "OFF TIME" option.

Step 3: Press  to select the shut-off time.



There are 4 levels to choose from.


30 MIN (Shut-down after 30 minutes)

60 MIN (Shut-down after 60 minutes)


90 MIN (Shut-down after 90 minutes)

OFF (Cancel automatic shut-down)

#### 4.6 CONTRAST

Step 1: Press  to enter the menu selection.


Step 2: Press  to select the "CONTRAST" option.

Step 3: Press  to select the contrast level you prefer.


There are 16 levels to choose from.



#### 4.7 LANGUAGE

Step 1: Press  to enter the menu selection.


Step 2: Press  to select the "LANGUAGE" option.

Step 3: Press  to select the display language.

There are three modes to choose from:

1. 中文简体
2. 中文繁體
3. ENGLISH

#### 4.8 VERSION


Step 1: Press  to enter the menu selection.


Step 2: Press  to select "VERSION" to see the version.



Note: The version of the software refers to the machine.

#### 4.9 SN

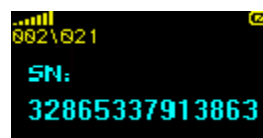
Step 1: Press  to enter the menu selection.

Step 2: Press  to select the "SN" option to see the serial






number.



Note: The SN of the software refers to the machine.

#### 4.10 UPGRADE


Step 1: Press  MENU to enter the menu selection.

Step 2: Press  PLAY to select the "UPGRADE" option.



Note: Select "UPGRADE" before connecting with PC..

#### 4.11 FORMAT


Step 1: Press  MENU to enter the menu selection.

Step 2: Press  PLAY to select the "FORMAT" option.



Note: All files in the player's memory will be deleted.

#### 4.12 DEFAULTS

Step 1: Press  MENU to enter the menu selection.

Step 2: Press  PLAY to select the "DEFAULTS" option.



### SAFTY

- 1、 Using this product for extended periods of time on high volume may result in temporary or permanent hearing loss.
- 2、 Do not dismantle or install this product by yourself.
- 3、 Because this product contains an internal battery, please do not put the product near flames or high temperatures; this may damage the battery, or cause it to explode.
- 4、 Do not use the headphones while driving, biking, or operating any motorized vehicle. Doing so may create a traffic hazard, and is illegal in some areas.

## **TROUBLE SHOOTING**

<b>Problem</b>	<b>Solution</b>
Music is unable to be played and the characters displayed on the LCD are distorted	-- Please charge the player
Poor FM reception	--Plug the earphones in
Unable to record from the radio	-- Check whether the player's memory is full.
No sound is coming out of the earphones	--Check whether the audio files are in the system directory MUSIC / VOICE. --Check the volume level --Check to see if the earphones are inserted properly
Buttons do not work	--Check to see if the HOLD switch is ON (Switch to OFF position)
Failure to download files	--Check the connection between your computer and the player to ensure that the cable is secure. --Reinstall the player's PC software

## **SPECIFICATIONS**

Model: F850

LCD: 132\*64 dot size OLED

USB: USB1.1

FM radio: 76MHz~108 MHz

MP3 decoding:

Forms supported: MPEG 1/2/2.5 Layer 3

Sample frequency: 32, 44.1 and 48kHz & 16, 22.05 and 24kHz

Bit rate: 32 to 256kbps & 16 to 160kbps & 8kbps

WMA decoding:

Sample frequency: 32, 44.1 and 48kHz

Bit rate: 32 to 192 kbps

MP3 real-time encoding

Forms supported: MPEG 1/2/2.5 Layer 3

Sample frequency: 32, 44.1 and 48kHz & 16, 22.05 and 24kHz & 8KHz

Bit rate: 32 to 256kbps & 16 to 160kbps & 8kbps

Earphone Output: 6mw/6mw (L/R channel)

SNR: 80dB (Mp3 real-time encode)

Voice record duration: 1-35 hours

Battery: 440mA/H Li Battery

Dimension: Approx. 70\*43\*19 (mm) (w/h/d)

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