

# ***Macer***

**MP3 Player  
+  
USB Flash Storage Disk**

## ***User's Manual***

Version 1.0

## **Overview and Acknowledgments**

Thank you for purchasing *Macer* MP3 Player + USB Flash Storage Disk. It is a music player which supports MP3 audio file type. It also provides real time voice recording feature. With pre-set equalizer, you can enjoy your most favorite songs with different sound effects. You can use it as a Flash Storage Disk by transferring data and files to computer through USB connection.

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Manual Version 1.0

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## **Product Features**

- Supports MP3 & WMA audio files
- Supports the lyrics show in step when music plays
- Direct Drag & Drop files
- With One Touch Voice Recording Function
- With Backlight LCD Display
- With Pre-Set Equalizer  
(Natural, Rock, Pop, Classic, Soft, Jazz, Dynamic Bass Boost)
- Driverless for Windows® ME / 2000 / XP

## **Specification**

- Playback methods : Circular mode
- LCD display : With backlight
- Voice recording : 5 hours on 64MB of high quality voice Recording
- Data storage : Driver is needed only on Windows 98
- Interface : USB 1.1 compliant
- Battery : 1 x Alkaline AAA size battery for 10 hours playback time
- Earphone : Unique integrated earphone with neck strap
- Signal to noise ratio : > 85dB
- Power output : 5mW + 5mW
- Frequency response : 20Hz – 20KHz

## **Inside the Package**

- One *Macer* MP3 Player
- One neck strap earphone
- One Alkaline battery
- One USB extension cable
- CD-ROM with Application Software and Driver
- User's Manual

## **Minimum System Requirement**

- Windows 98 / 98se, Windows Me, Windows 2000 and Windows XP
- One available USB Port
- CD ROM drive required for driver installation (Windows 98 / 98se only)

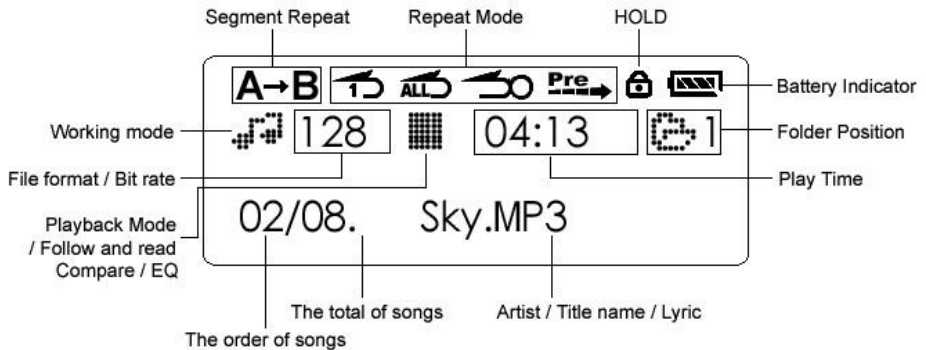
## Product Illustration



### Macer MP3 Player

1. USB Connection Jack
2. LCD Display
3. a) Volume Control ( - )  
b) Volume Control ( + )
4. Backward Button
5. Forward Button
6. Play / Pause Button
7. Earphone Jack
8. Microphone
9. Battery Box
10. Mode Button
11. Record Button
12. Hold Switch

## Graphic LCD



## Operation Guide

### A. Getting Started

- **Power On / Off and Playback**

Insert battery and connect earphone. Press and hold ►/|| for seconds until the LCD turns on. Press ►/|| again to start playing music. To power off, press and hold ►/|| until LCD turns off.

- **Pause a Track**  
During playback, press ►/|| for pause. Press again to continue playing.
- **Track Reverse / Forward**  
Press the Forward Button or Backward Button for playing next or back track respectively.
- **Fast Forward / Rewind**  
Press and hold the Backward Button or Forward Button for rewind or fast forward.
- **Volume Control**  
Press + to increase or – to decrease volume.
- **Function Lock**  
Follow the arrow to slide the HOLD switch to lock all buttons.

## B. Accessing Menu

### **Function Menu**

Press Mode Button once to change the Function Menu. Press the Forward Button or Backward Button to select the sub menu and press ►/|| to select the desire option.

**Music → Record → Voice → System Function → Exit**

Note : To access the main menu, you should in the stop mode. If you are not in the stop mode, press the ►/|| until a black square ■ is observed.

### **1 Music**

It plays back MP3 / WMA music files.

#### **1.1 Lyric display**

Player supports LRC V0.2 format files when sub-menu Lyric is setup to on (reference at System function). If the Lyric file has the same file name with music file, the lyric file will be in the same folder with music file. Player will show lyrics when music playing.

- If there is no lyric file, it will display ID3 tag information

- If the music file has no tag information, it will display music file name.

(Note: Don't exceed 1000 bytes words in Lyric file.)

#### **1.2 Play function sub-menu**

During music is playing, press Mode Button into sub-menu to select Repeat mode , EQ mode, or A-B Replay

### 1.2.1 Repeat mode

Press Mode Button into repeat mode sub-menu. Normal -> Repeat One -> Repeat All-> Introduce

~ NORMAL : playing track in sequent

~ ONE : consecutively repeat current playing track

~ ALL : consecutively repeat playing all tracks

~ Introduce : The first 10 seconds of each track will be played one by one as a title preview

### 1.2.2 EQ mode

Press the Forward Button or Backward Button to select desired effect

Natural → Rock → POP → Classic → Soft → Jazz → DBB

### 1.2.3 A-B Replay

It includes: A-B segment repeat, follow and read

#### 1.2.3.1 A-B segment repeat mode

Select the A-B replay. "A-" start blinking, press the Forward Button once while playing a track to mark the beginning of section where you want to start (A). Then "B" start blinking, press the Forward Button again to where you want the section to end (B). It will repeat the marked section (A→B) continuously. To cancel the operation, press the Mode Button once.

#### 1.2.3.2 Follow and Read (MP3 files only)

A-B segment begins to replay - If user want to make a follow and read practice, press the Forward Button, it will enter Follow and read mode (the triangular icon will be turned into microphone icon). The player will record follower's voice, record time length is the same as A-B segment. After recording, player will play source music and the microphone icon will be turned into CD disc icon.

It will play again and again, until user press the Forward Button to enter a new process; or press the Mode Button to exit A-B replay mode and into Music mode.

## 2 Record

It records voice through internal microphone. Press the Mode Button once to change the Function Menu. Press the Forward Button or Backward Button to select the sub menu and press ►/|| to select the desire option. **Fine REC → Long REC → Long VOX → Exit**

Press the Mode Button to select a record mode. It begins recording voice once the player enter record interface or directly press the Record Button. Record including recording, pause, stop three kinds of states course.

In Long VOX mode - If without effective sound, player will be entered pause state of the recording, show waiting icon. When there is effective sound, record will continue.  
Note: The general situation recording file will be saved in the root folder. But if there is recording file exists under a folder, you can select that folder to save recording file.

After recording time exceeds 60 minutes, time will display as hh : mm. In the state of the recording, player will stop recording and saving the record file if the low power situation appears (indicate low battery power in LCD). User should change the battery at this moment.

### **3 Voice**

It plays back recorded voice files. During voice is playing, press the Mode button into sub-menu to select Repeat mode, A-B Replay, or Exit

(Note : The record voice file is in .ACT format. You need to install the Sound Convert program that is CD ROM driver for converting .ACT format to .WAV format.)

#### **3.1 Repeat mode**

Press the Mode Button into repeat mode sub-menu. Normal -> Repeat One -> Repeat All-> Introduce

#### **3.2 A-B Replay**

In Voice Mode, there is only A-B segment repeat, but no follow and read.

### **4 System Function (Sys function)**

Press the Forward Button or Backward Button to select desired sub-menu functions. It provides LCD contrast, Auto Off and back light function.

#### **4.1 Lyric**

Select lyrics On / Off

#### **4.2 Memory Info**

Player will show capacity of memory and percentage of taken up

#### **4.3 Rec Filter**

Rec Filter is setup for Long VOX recording, which includes 7 level : Level 0 to Level 6 (Default level is Level 2). Level 0 means filter function off, Level 6 is high level (Use when background noise is high). Press the Forward Button or Backward Button to switch over each level, and press the Mode Button to confirm it.

#### **4.4 Back Light**

The backlight will be turned on when any key is clicked, and turn off without any click. User can adjust the time duration that backlight stays on from 0 to 30 seconds.

#### **4.5 Auto Off**

If no any click within setting time at stop mode, player will automatically turns power off. The time could be setup from 0 to 60 seconds. If select 0 second, it means never automatically turning power off.

#### **4.6 Font Set**

Enter Font Set, user can select menu's language, and apply to lyric and ID3.

**Chineses GB → Chinese Big5 → English → Exit**

#### **4.7 Contrast**

Contrast can be adjusted by pressing the Forward Button or Backward Button to switch over each level, and press the Mode Button to exit to upper menu. The level from 00 (Lightest) to 31 (Darkest).

#### **4.8 Delete File**

If you enter Delete File menu, player will show a sub-menu.

**Del Music → Del Record → Exit**

Select Del Music or Del Record, player will show a deep sub-menu.

**Delete One → Delete All → Exit**

Select Delete One - Press the Forward Button or Backward Button to choose file, and then press ►/|| button to delete. At above states, press the Mode Button to cancel delete and exit to Standby mode.

Select Delete All – Choose Yes to confirm or No to cancel deletion.

#### **5 Key Hold**

When Hold is ON, any key on the player will not function.

#### **\*\* Important Notes \*\***

If the player works not properly, release and insert battery again to restore.

## **Driver Installation**

### **Installation Procedure for Windows 98 / 98se**

1. Connect *Macer* to the computer with provided USB cable and power on.
2. When the system ask for the driver, please insert CD ROM driver and select “Macer\Win98” folder.
3. After installation procedure, **RESTART** the computer.
4. After installation, you will see “Removable Disk” icon in “My Computer”.

### **Installation Procedure for Windows Me / 2000 / XP**

1. Windows Me / 2000 / XP already has driver built-in.
2. Connect *Macer* to the computer with provided USB cable and power on.
3. Computers will automatically detect *Macer* and install necessary driver.
4. After installation, you will see “Removable Disk” icon in “My Computer”.

(Note: Connect *Macer* to the computer to finish installing the built-in driver before installing the utility application, Macer\application\setup.exe file in CD ROM driver.)

## **Transferring Files**

1. Connect *Macer* to the computer with provided USB cable and power on. You will see “READY” on the LCD Display.
2. Go to “My Computer” and click “Removable Disk” for *Macer*.
3. Drag and drop files into *Macer*. “Busy” will show on LCD Display during transferring. Do not remove *Macer* until data transfer completed.
4. You can also transfer data from *Macer* to your computer. “Busy” will flash on LCD Display during transferring. Do not remove *Macer* until data transfer completed.
5. As *Macer* can work as a USB Flash Storage Disk, you can create folders and store files in any format.

*Note :*

1. The MP3 player do not support NTFS and FAT32. It only support FAT16
2. *Macer* only supports playing MP3 and recorded voice files in **ROOT Directory**.

3. When battery level is too low, it will power-off automatically. You have to replace a new battery.
4. The USB Disk can be hot unplugged if no write action is being performed. However, if data has been moved to the USB Disk, then Eject or Safe removal action is needed to prevent the data loss. Eject can be used to ensure the data integrity. Under Windows, select the disk icon and click the right button of the mouse then select "eject". This will empty the write cache.
5. Each minute of CD audio track converted to MPEG1 Audio layer 3 (MP3 file format)

<b>Bit Rate</b>	<b>File Size (Approximated)</b>
32kbps	236KB/min
64kbps	471KB/min
128kbps	940KB/min
192kbps	1.37MB/min
256kbps	1.83MB/min
320kbps	2.29MB/min

*Remark: All data for reference only.*