Acer MP3 Flash Stick

User Manual

MP3 Music Player+Digital Voice Recorder+USB Flash Drive

Table of Contents

1. Instroduction

1.1 About Acer MP3 Flash Stick

Acer MP3 Flash Stick is the brand new multi-function MP3 player . Compared with the single-function MP3 Player, Acer MP3 Flash Stick owns not only the stylish outlook with an EQ built in LCD, but also the high quality digital voice recorder. We successfully combine the convenience of well-known USB flash drive , popular MP3 player and delicate-design digital voice recorder in one stick . With two AAA batteries, you will take the advantage of 12 hours non-stop playing time. Acer MP3 Flash Stick is suitable for each occasion—for meeting, for data storage and of course, for music enjoyment. It is absolutely your best choice from various consumer products.
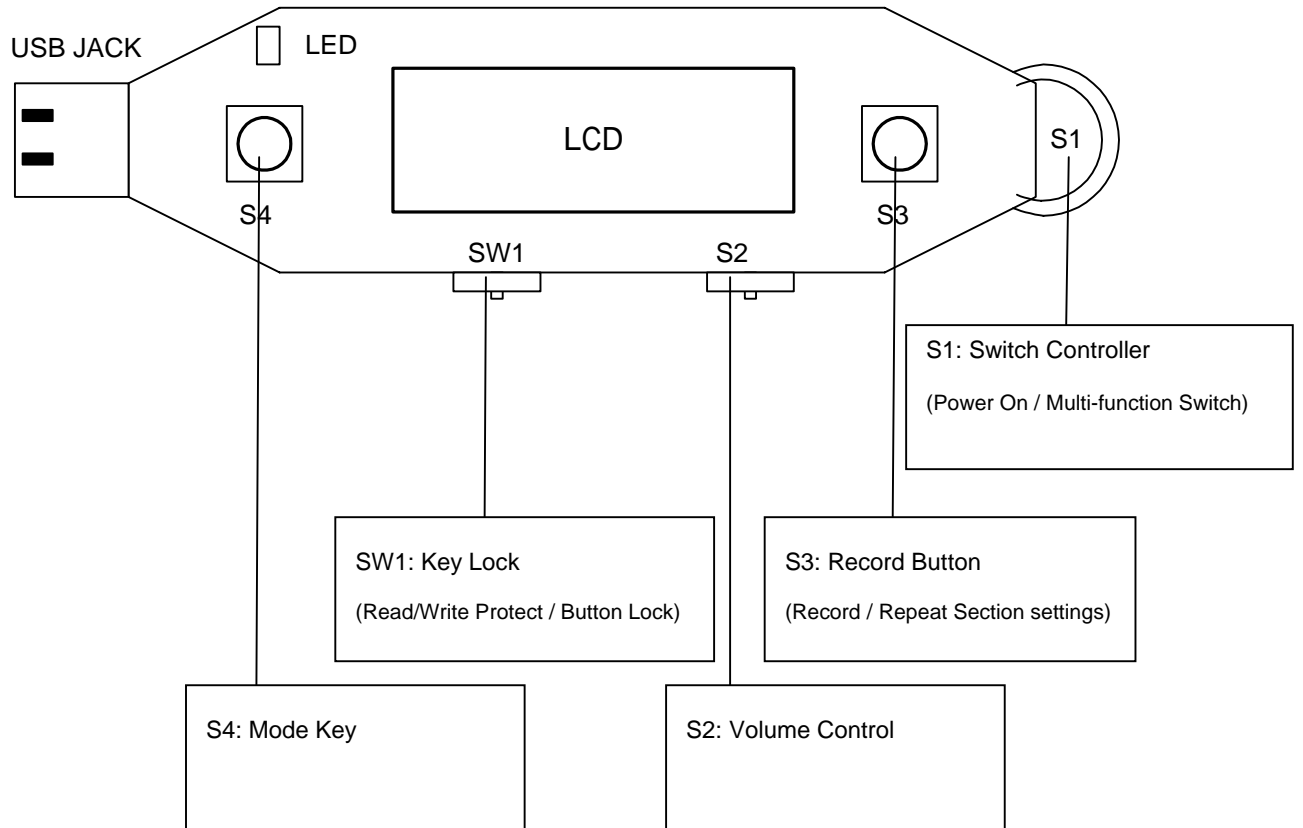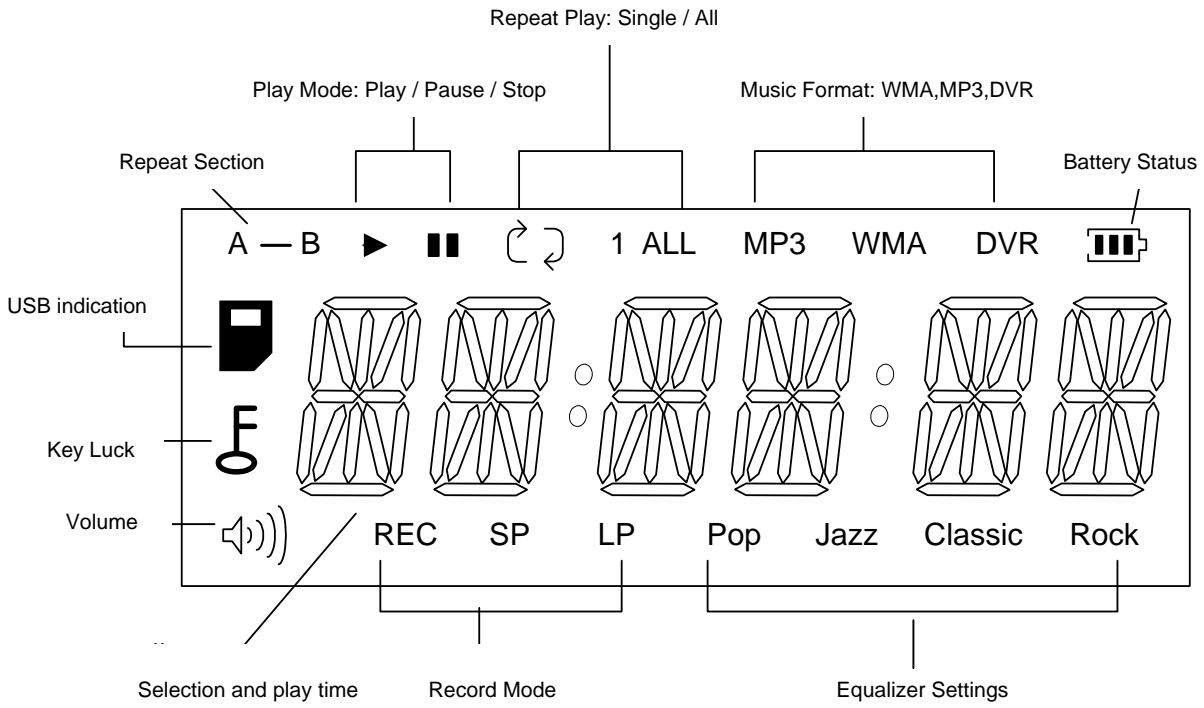
1.2 Features

- Current available: 64MB / 128MB / 256MB
- Support music format: MP3 / WMA
- Earphone jack: 3.5 mm
- Audio output: 5mW+5mW
- Output frequency range: 20HZ – 20KHZ
- Battery: two of AAA battery.
- Support USB specification revision 1.1
- Transferring rate up to 12Mbit per second at "Full Speed".
- Support power saving mode to reduce power consumption while no playing Acer MP3 Flash Stick.
- Support Windows 2000, ME, XP, Mac OS 8.6 or above and Linux 2.4.0 or above without device driver.
- Support Windows 98/98SE with device driver.
- LED indicator when Acer MP3 Flash Stick is working.
- Key lock switch.
- Hot Plug & Play - Enable you to install Acer MP3 Flash Stick at anytime.
- Durable solid-state storage – data retention for at least 10 years.
- Erase Cycles: 1,000,000 times
- No external power is required - DC 4.5V ~ 5.5V from USB port.
- Low Power consumption   Write 39.1mA ~ 39.4mA / Read 35.0mA ~ 36.1mA.
- Read/Write Speed of USB interface: Read 800KB / Write 600KB
- Size: approximate 95.2 x 30.0 x 28.5 mm
- Unit weight: approximate 30g (not including battery)
-CE and FCC certificate of approval.

2. Illustration of function keys and LCD display

USB JACK

LED

LCD

S4

SW1

S2

S3

S1

S1: Switch Controller

(Power On / Multi-function Switch)

SW1: Key Lock

(Read/Write Protect / Button Lock)

S3: Record Button

(Record / Repeat Section settings)

S4: Mode Key

S2: Volume Control

Repeat Play: Single / All

Play Mode: Play / Pause / Stop

Music Format: WMA,MP3,DVR

Repeat Section

Battery Status

A — B ▶ ❚❚ ↻↺ 1 ALL MP3 WMA DVR ⓘⓘⓘ⊐

USB indication

Key Luck

Volume

REC SP LP Pop Jazz Classic Rock

Selection and play time

Record Mode

Equalizer Settings

4

3. Quick Start

MP3/WMA Playback

Steps:

    1. Press Switch Controller to turn on the player.

    2. If there are already MP3 or WMA files in the Flash Memory, the LCD will show 「01 0:00」, and the
LED will light up. To begin the playback of MP3 or WMA file, press again Switch Controller .

Record Operation

Steps:

    1. Press Switch Controller to turn on the player.

    2. Press Record Button to enter record mode and the LCD will show "—HP--". Slide Switch Controller to
choose record mode, and then press Record Button to start recording. LED will blink, and the "REC"
icon will show up in the display.

    3. Press again Record Button to stop record and then enter the record playback mode. The "REC" icon
will disappear and the "DVR" icon will show up in the display. LED will light off.

    4. To play the previous recorded WAV files, press Switch Controller in record playback mode.

Connecting to PC

Steps:

    1. Use USB cable to connect to PC's USB port, the player will be turned on automatically.

    2. The USB indication will show up in the LCD. While connecting to PC, LCD will show "USb bSy", and
LED will blink.

    3. Once the connection is completed, LED will light up, and"---PC--" will appear in the display. You will
see a "Removable Disk" in My Computer.

4. Function & Operation

4.1. MP3/WMA Playback

(1) Press Switch Controller to turn on the player which will automatically read the content of the Flash Memory and the LED will light up. If there are already MP3 or WMA files in the Flash Memory, LCD will show as **Figure 4.1.1**.
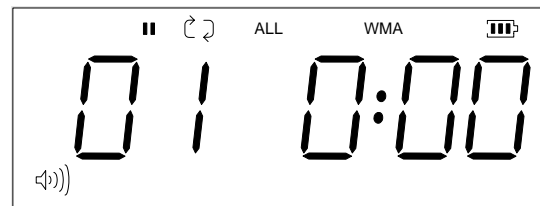
Figure 4.1.1

(2) Press Switch Controller to start playing the first selection. The music format such as MP3 or WMA will be indicated in the display. LED will keep blinking and the selection number as well as the playing time will also be indicated in the display. **(Figure 4.1.2)**
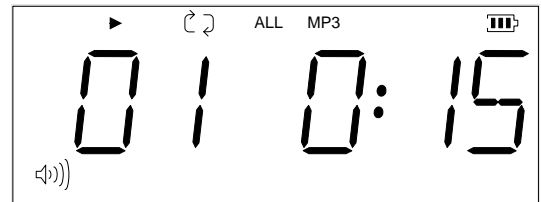
Figure 4.1.2

(3) To pause during playback, press Switch Controller, and the pause symbol will appear. Elapsed playing time will be paused, too. **(Figure 4.1.3)**. LED will light up instead of flashing.
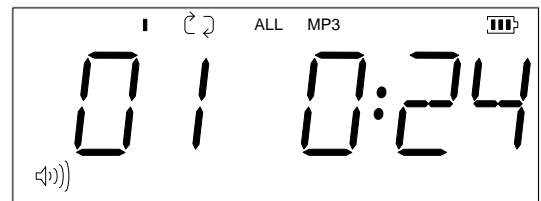
Figure 4.1.3

(4) Press Switch Controller to resume playback.

(5) To stop playing, press Switch Controller for 2 seconds, LED will light up instead of blinking, and the playing time will be reset to zero. **(Figure 4.1.5)**
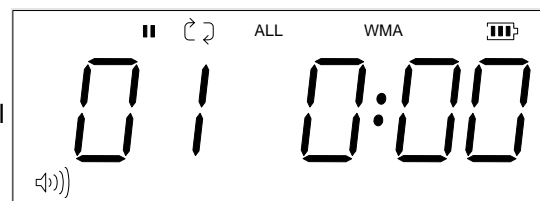
Figure 4.1.5

(6) To set the player to sleep mode, press Switch Controller again for 2 seconds in stop mode.

If no operations occurred for 30 seconds in stop mode, the player will enter sleep mode automatically

To wake up the player press Switch Controller.

(7) If the Flash Memory has not yet been formatted, or problems occur with the files in the Flash Memory, LCD will show "OS Err" as in **Figure 4.1.7**.
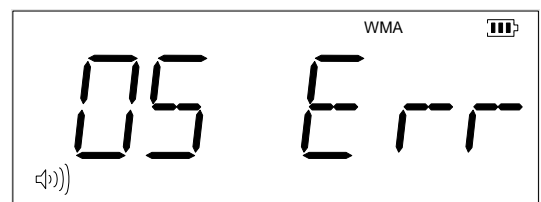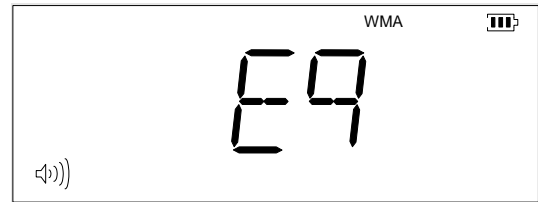
Figure 4.1.7

(8) Under this situation, press Mode Key and hold until "Eq" appears in the display. **(Figure 4.1.8)**

WMA

E9

Figure 4.1.8

(9) Slide Switch controller until "dEL" appears in the display. Press Switch controller again to enter delete mode. Slide Switch controller until "dEL aLL" flashes in the display.

(10) Press Switch controller again to start formatting the Flash Memory.

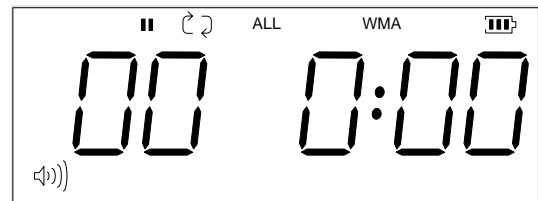To cancel "dEL aLL" action, press Record Button or Mode Key simultaneously.

(11) During format or delete, LCD will show "EL____"as in **Figure 4.1.11**.


WMA

EL ____

Figure 4.1.11

(12) Once the format of the Flash Memory is completed, the playing time in the display will be reset to zero.

(Figure 4.1.12)

ALL   WMA

00   0:00

Figure 4.1.12

(13) To delete a single file of MP3 / WMA in stop mode, press Mode Key for 2 seconds to go into the Menu. Slide Switch Controller until "dEL" shows up in the display. Press Switch Controller again to enter the delete mode. Slide Switch Controller until "EL OnE" flashes in the display. **(Figure 4.1.13)**

ALL   WMA
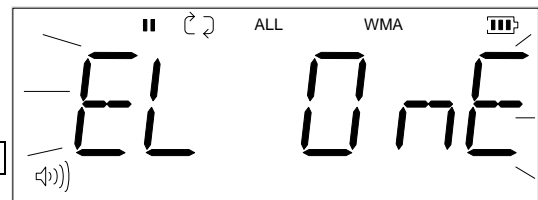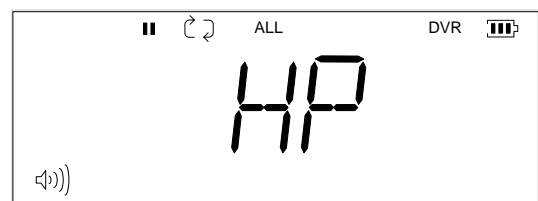
EL   OnE

Figure 4.1.13

(14) Press Switch Controller again to delete the file selected.

To cancel "dEL OnE" action, press Record Button or Mode Key simultaneously.

4.2. Recording Operation
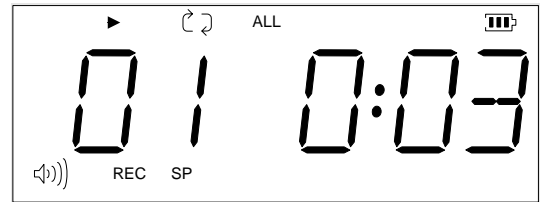
(1) In stop mode, press Record Button to enter record mode, and "--HP--" will appear in the display **(Figure 4.2.1)**. Press Switch Controller to select record mode.
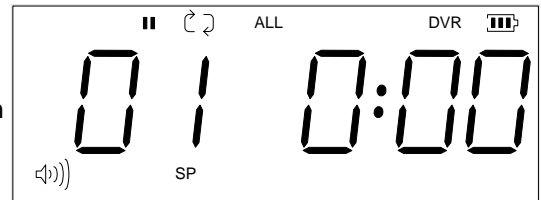

ALL   DVR

HP

Figure 4.2.1

(2) Press Record Button to start recording. LED will keep blinking, and the "REC" icon will appear. Elapsed recording time will be shown in the display. **(Figure 4.2.2)**
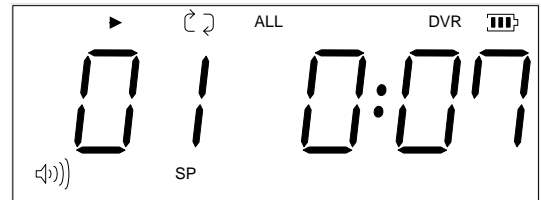
Figure 4.2.2

(3) To stop record, press Record Button again. LED will turn off, and the beginning of the playing time will be indicated in the display. "DVR" icon turns up while "REC" icon disappears. **(Figure 4.2.3)**

To pause the record, press Switch Controller. To resume it, press Switch Controller again.

Figure 4.2.3

(4) To start play of the previous recorded WAV files in stop mode, press Switch Controller. LCD will show the selection number and the playing time. **(Figure 4.2.4)**
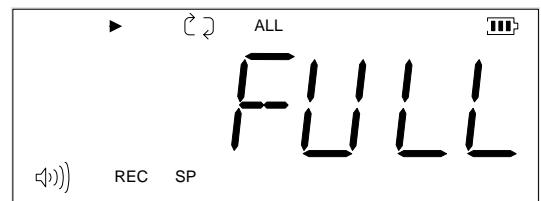
To switch between MP3 and record mode in stop mode, press Mode Key.

Figure 4.2.4

(5) Press Switch Controller to pause the playback playing time will be paused as well. **(Figure 4.2.5)**

(6) Press Switch Controller to resume playback.
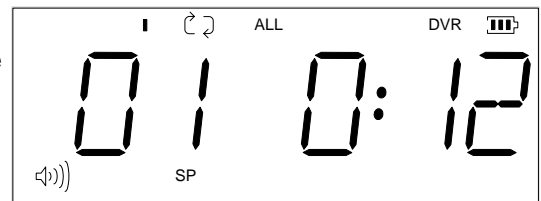
Figure 4.2.5

(7) If the space in the Flash Memory is used up during record, LCD will show "FULL" **(Figure 4.2.7)** and record will stop.

Press any key to go back to record stop mode.

File deletion, selection, fast forward and fast backward in record mode are the same as in MP3 / WMA mode.

Figure 4.2.7

4.3. Selection / Fast Forward / Fast Backward

(1) To select during playback, slide Switch Controller upward once for the previous file, and downward for the next one. Playback will start from the beginning of the selection. **(Figure 4.3.1)**
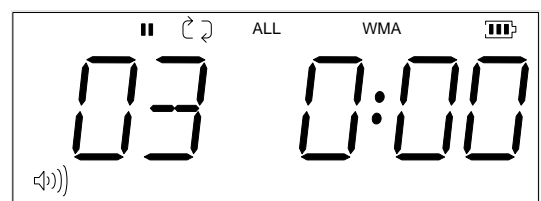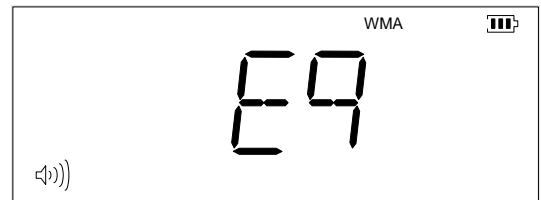
Figure 4.3.1

(2) To select in stop mode, slide Switch Controller until the desired selection shows up in the display. Press Switch controller to start play.

(3) To locate a particular point in a selection, Slide Switch Controller up for fast backward and slide down for fast forward. Playing time in the display will change accordingly. Release Switch Controller and the playback will start from the time indicated in the display.

4.4. Equalizer Settings

(1) Press Mode Key for 2 seconds until "Eq" appears in the display. **(Figure 4.4.1)**   Press Switch Controller to enter the menu of **Equalizer Settings**.

WMA

E9

Figure 4.4.1

(2) Slide Switch Controller to select the following settings: Normal → POP → JAZZ → CLASSICAL → ROCK→ Normal. Press Switch Controller again to confirm, then the icon will come out in the display.

ALL WMA	ALL WMA	ALL WMA	ALL WMA	ALL MP3
E9nOrn	E9 POP	E9JA22	E9CLAS	E9rOCH
	Pop	Jazz	Classic	Rock

4.5. Volume Control

(1) During playback   slide Volume Controller to the left to turn down and right to turn up the volume which will be shown in the display. **(Figure 4.5.1)** -- Sound Level: 0 ~ 63

► ↻ ALL WMA

OL 32

Rock
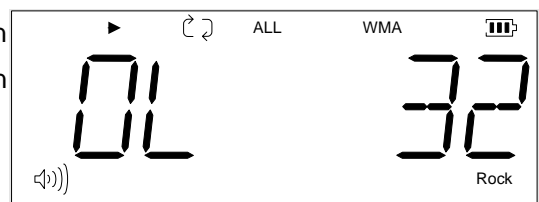
Figure 4.5.1

(2) To continuously increase or decrease the volume, slide Volume Controller to the right / left and hold. To stop volume control, stop sliding Volume Controller and the LCD will resume the normal display.

4.6. Key Lock

(1) Player status: click switch toward to Switch Controller, all buttons and switch controller will be locked and no working.

(2) Removable disk status: click switch toward to Switch Controller, writing will be protected.

4.7. Repeat Section

(1) During playback, press Record Button once to enter the repeat read mode. The start point A will be marked. "A-B" icon will appear and "B" starts flashing. **(Figure 4.7.1)**
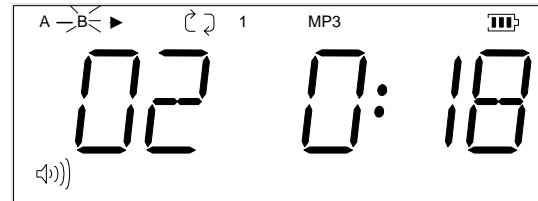

Figure 4.7.1

(2) Press Record Button again to mark the end point "B" whose icon will stop flashing. A　B repeat read will go on. **(Figure 4.7.2)**
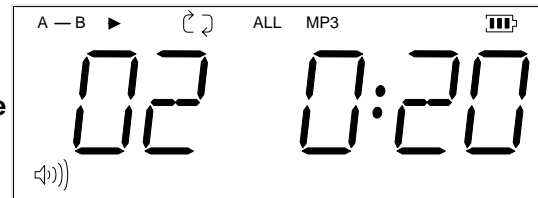
If point "B" is not marked until the end of the selected MP3 file, the playback of the next selection will start and point " A" will disappear.

Figure 4.7.2

(3) During A　B repeat read　press Record Button again to leave this mode. Normal playback will resume from point "B", and the "A-B" icon will disappear from the display. **(Figure 4.7.3)**
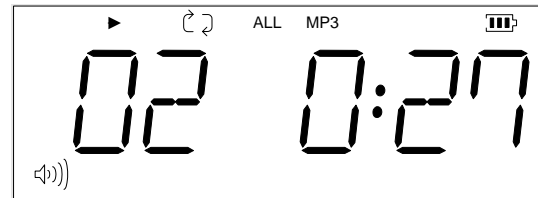
During A　B repeat read　press Switch Controller once to pause the repeat read, press Switch controller once again to resume it

Figure 4.7.3

4.8. Menu Operation

(1) Press Mode Key to enter Menu operation which contains 3 functions: (1) Equalizer Settings (Eq),

(2) Playback Settings (Rep),

(3) File Deletion (dEL).

To select, slide Switch Controller up and down and the function will change cyclically as follows :

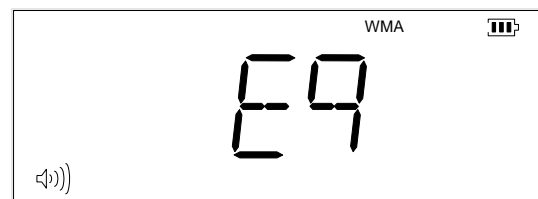Eq → rEP → dEL →Eq. Press Switch Controller again to confirm the selection. **(Figure 4.8.1)**

Figure 4.8.1

(2) Eq Menu: Under Equalizer Settings, slide Switch Controller to select among 5 settings with the following cycle:

Normal → POP → JAZZ→CLASSICAL→ROCK→Normal

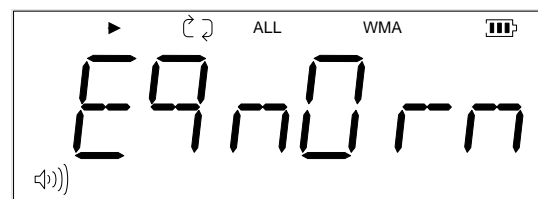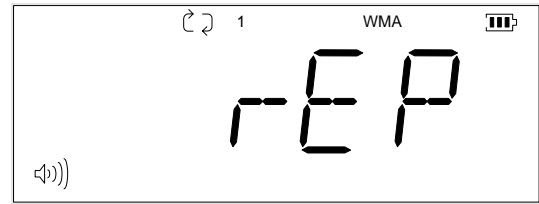Press Switch Controller to confirm the setting. **(Figure 4.8.2)**

Figure 4.8.2

(3) rEp Menu: Under playback settings, slide S1 to select
among the following 3 repeat settings:

   (1) Repeat ALL: repeat all the selections

   (2) Repeat 1:repeat a single selection

   (3) NO Repeat: to cancel repeat

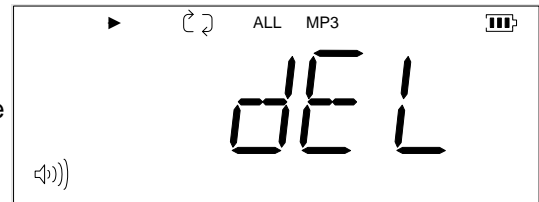   Press Switch Controller again to confirm the setting.
(Figure 4.8.3)

Figure 4.8.3

(4) dEL Menu: Under file deletion   slide Switch Controller to
select among the deletion of a single file or all files with the
following cycle: EL ONE→ EL aLL→ EL ONE
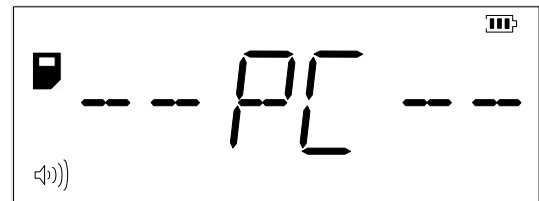
   Press Switch Controller again to confirm the setting.
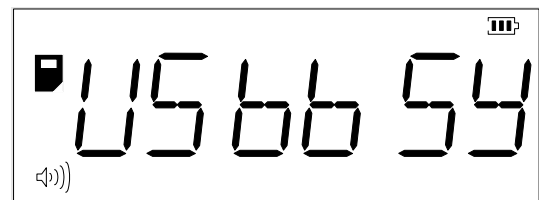**(Figure 4.8.4)**

Figure 4.8.4

4.9. Connect to Computer

(1) Use the USB cable to connect to PC's USB port, and the
USB indication will show up in the LCD when the player is
plugged in. **(Figure 4.9.1)**

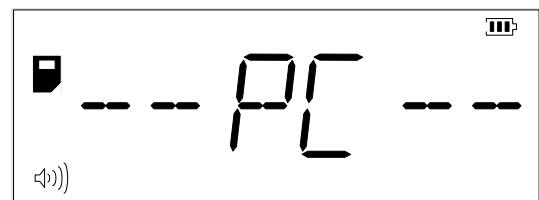**Figure 4.9.1**

(2) During USB operations (including connection with PC, file
copy / delete, Flash Memory format), the LED will blink
and "USb bSy" will appear in the display. **(Figure 4.9.2)**

Figure 4.9.2

(3) Once the connection is completed, LED will light up,
and"---PC--" will appear in the display. You will see a
"Removable Disk" in My Computer. **(Figure 4.9.3)**

Figure 4.9.3

11

(4) Remove the unit from the USB port of PC to return the player back to stop mode, and the removable disk will disappear from My Computer. Playing time of the 1st file will be displayed in the LCD. **(Figure 4.9.4)**

When file copy / delete through PC is finished, make sure the USB operation has come to a complete stop before unplugging the player from PC's USB port. Otherwise it may result in damages to the files in the Flash Memory.
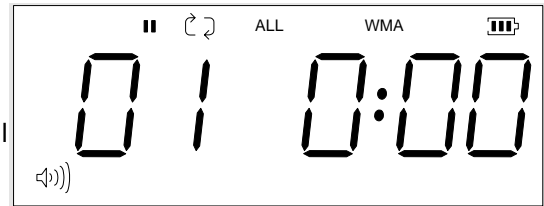
Figure 4.9.4

5. How to install driver

5.1 Windows 98/98SE Installation

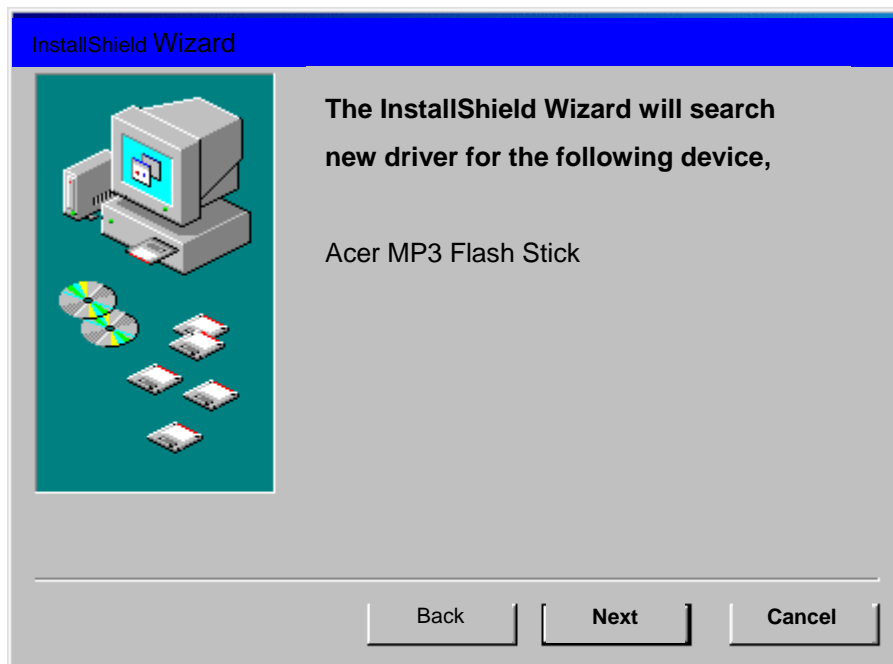(1) Plug Flash Stick into USB port. System will detect one new hardware and search for proper driver to install.

(2) Choose the first recommend to install.
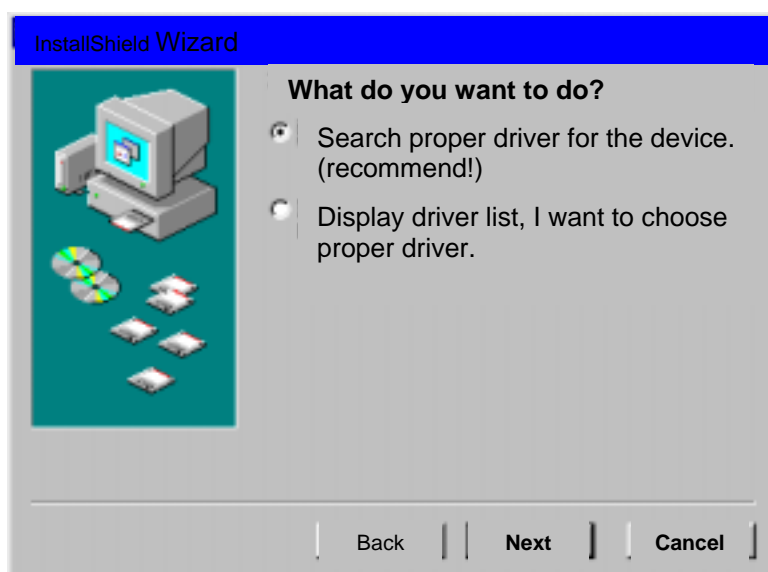
(3) Choose setting up from CD ROM.

InstallShield Wizard

Windows will search new driver from one of following methods, press Next to start search.

☐ Floppy Disk A:

☑ CD ROM

☐ Microsoft Windows Update (M)

☐ Location:

h:\WIN98

Review

Back   Next   Cancel
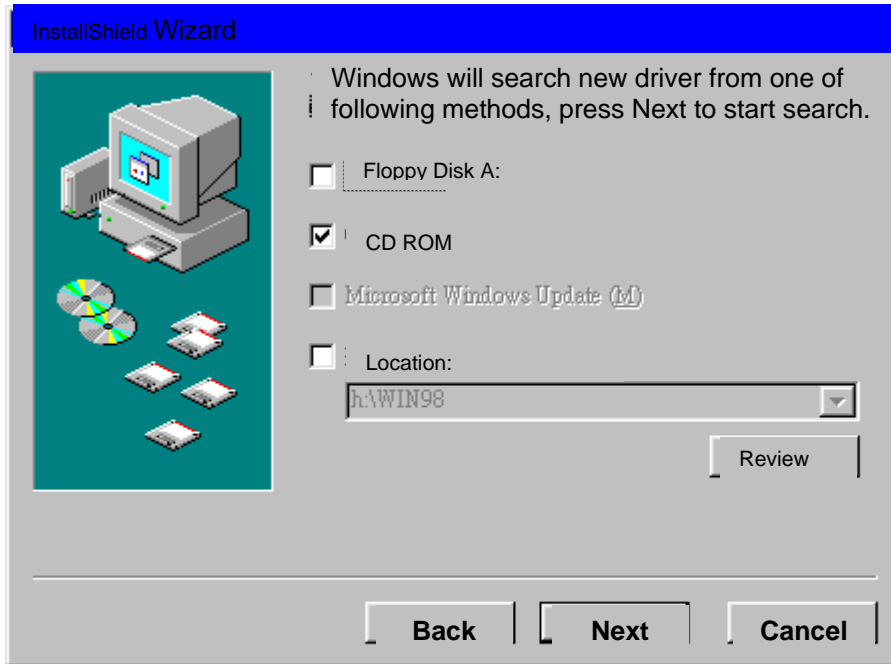
(4) To execute installation by press "Next".

InstallShield Wizard

Windows search program for the device,

MP3 Flash Stick

Windows is preparing to install the driver. Press "Back" to choose other methods or press "Next" to execute installation.

Location:

E:\Smmd.INF

Back   Next   Cancel

14

(5) Press "Finish" to complete installation.
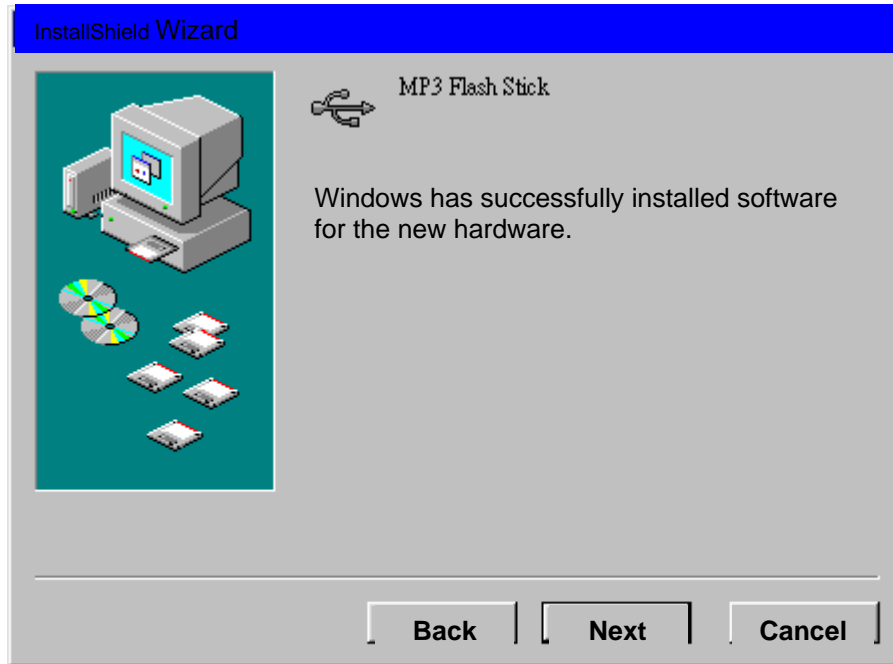
5.2 Windows ME / Windows 2000 / XP Installation

For these three operating systems, *NO Driver is needed*, because Windows has built-in driver to support USB removable disk.   Simply plug Acer MP3 Flash Stick into the USB port and it will be recognized by the system. System will setup Acer MP3 Flash Stick automatically without any further installation of driver.

Once installation is completed, you will see a "Removable Disk" drive in My Computer.

6. Remove Acer MP3 Flash Stick from computer

After using Acer MP3 Flash Stick, please choose one of the methods below according to your Operating System to remove Acer MP3 Flash Stick from USB port:

Windows 98/98SE   You could unplug Acer MP3 Flash Stick from the USB port directly once the LED stops blinking and its icon would disappear automatically.

Windows Me/2000/XP   Click the icon of Acer MP3 Flash Stick at the right down corner, and a "Stop USB Mass Storage Device-Drive(H:)" menu appears (Fig.6.1). Click the menu, and the below window appears telling you "the 'USB Mass Storage Device' device can be safely removed from the system". Click "OK" to close the window (Fig.6.2), then you can safely remove Acer MP3 Flash Stick.
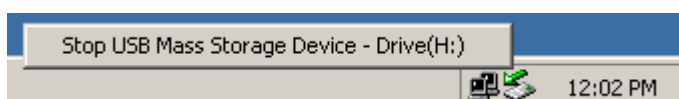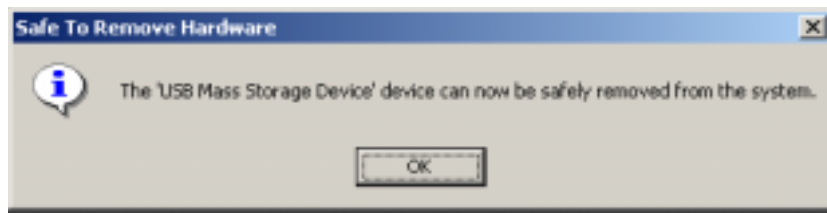
Fig.6.1

Fig.6.2

7. Linux 2.4.0 + / Mac 8.6 + Installation

Again, **No Driver is required** for these two operating systems.   Simply plug the Acer MP3 Flash Stick into the USB port and the system will automatically find Acer MP3 Flash Stick. After using Acer MP3 Flash Stick, you could unplug Acer MP3 Flash Stick from the USB port directly once the LED stops blinking, then its icon would disappear automatically.

For Linux user, please refer to Important Notices.

Important Notices

(i) In OS Windows 98/98SE, if you don't set up installation firstly, system will ask you to put driver disk for running installation. Be sure to unplug Acer MP3 Flash Stick before running setup programs. If you install the driver with Acer MP3 Flash Stick plugged, it may cause setup error or failure.

(ii) If you plug Acer MP3 Flash Stick into the USB port.   System can find Acer MP3 Flash Stick, but you are unable to access it.   Please **FORMAT** Acer MP3 Flash Stick.

(iii) Before unplugging Acer MP3 Flash Stick from the USB port in **Windows ME/2000/XP**, make sure you go to the right hand bottom of the screen to stop the USB device.   Otherwise, it may result in losing data that you have saved on Acer MP3 Flash Stick. (Please refer to 6.2.)

(iv) Linux uses a so-called "USB Manager", which does automatically load kernel modules (drivers) for USB devices.   It loads only drivers for devices that are present on the USB bus to reduce memory usage.   Per default, the USB Manager does not come with the USB Drive pre-configured. However, you can easily configure the USB Manager to automatically recognize the USB Drive yourself.   Just add the following to the configuration file,

   usbmgr.conf (usually in /etc/usbmgr): vendor 0xd7d product 0x100 module scsi_mod, usb-storage

This line identifies the USB Drive and tells the USB Manager to load the SCSI as well as the USB storage module.   The SCSI module is needed in order to talk to both SCSI and USB storage devices, while the usb-storage module is needed to talk to USB storage devices.

Do not forget to either reload the USB Manager's configuration or to restart the USB Manager (for instance, do as root: /etc/init.d/usbmgr reload).