BenQ Joybee 150 (DA-150)
Digital Audio Player
User Manual

Welcome

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Handling Instructions

1. This player is a highly precise electronic product. Please do not disassemble it.
2. Do not format the memory of the player in FAT32 file format.
3. Do not attempt to alter any part of the player.
4. Do not subject the player to severe impact.
5. Keep the player away from water or direct sunlight.
6. Use damp cloth to clean the player. Do not use any chemical solution.
7. Use only chargers and accessories for use with this particular player model. The use of any other types will invalidate any approval or warranty applying to the player, and may be dangerous.
8. Keep proper volume while listening or it may cause eternal harm to listening capacity.
9. Dispose of unused player and its accessories according to local environmental regulations.

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1 Your Joybee 150 Digital Audio Player

Introduction

Congratulations on your purchase of the Joybee 150 Digital Audio Player!

The Joybee 150 Digital Audio Player not only provides multiple functions for high quality music playback and voice recording but consumes lower power to extend your good time. It supports MP3 and WMA music formats, multi-language display and 8 pre-set EQ modes (5 EQ modes for WMA music).

Besides, it also features language repeated reading, making it an ideal tool for language learning. The FM radio function allows you to preset 30 radio stations for quick and easy selection. The eBook reading function enables you to read your favorite articles while listening to the radio anywhere. With its lyric-music sync function, you can even read the lyric line-by-line while a song is playing . What's more, you can use the Joybee 150 Digital Audio Player as a flash drive, thus you can not only make your music mobile, but also move your important data with you.

In addition to the Joybee 150 Digital Audio Player itself, its bundle software tools also provide you with added convenience for converting and transferring music data, as well as personalizing the power on and power off screen on the player, making it the most easy to use and highly personalized digital audio player ever available.

Package Contents

The Joybee 150 Digital Audio Player sales package should include the following items. Please contact your dealer if any of them is missing or damaged.

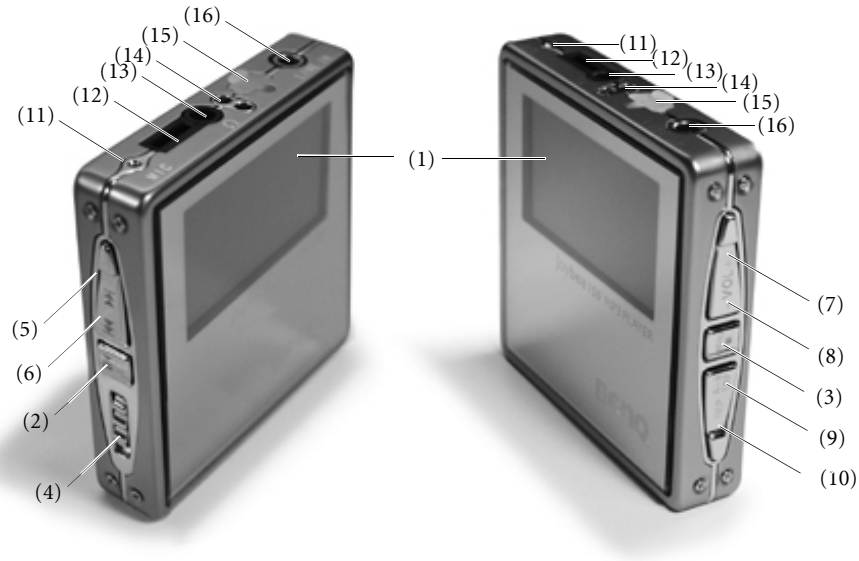
- Joybee 150 Digital Audio Player
- Earphone
- Wired remote control
- Leather strap
- USB cable
- Line-In cable
- Charger
- Carrying pouch
- CD-ROM (eManual / QMusic / Driver..., etc.)
- Quick start guide
- Warranty card

System Requirements

- Microsoft Windows 98SE/ME/2000/XP
- Pentium 200MHz or higher
- USB port
- CD-ROM drive
- 60MB hard disk space
- 32MB system memory

Touring the Joybee 150 Digital Audio Player

Buttons/Ports



(1) LCD Display

Displays the status of the player. (e.g. song title, play time..., etc.)

(2) ON/OFF/Play (▶)/Pause(▌▌) Button

- When player power is off, press this button to turn on the player and the startup screen will appear.
- When the player is in standby mode, press this button to start playing.
- In a menu, press this button to enter or confirm your selection.
- When player power is on, hold down this button for 2 seconds to turn it off.
- When playing or recording, press this button to pause. The icon ▌▌ will appear on the display. When paused, press this button to resume playing or recording. The icon ▌▌ will disappear.

(3) Stop(■)/Menu Button

- While playing or recording, press this button to stop and put the player into standby mode.
- In a menu, press this button to return to previous menu level.
- While playing, hold down this button for 2 seconds to bring up the on-line menu.

(4) Power Switch

Slide this switch to the ON position to turn on the power of the player, and to the OFF position to turn it off. Keep the switch in the ON position in normal conditions. Should the player fail to respond to your operation and become freezed, slide this switch to the OFF position and then to the ON position to reset it, and then press the ▶/II key to turn it back on.

(5) Previous track/Fast rewind (|◀◀) Button

- Skip to the previous track while playing music, or to the previous file while playing recorded files. If current song or file is already the first one, pressing this button brings you to the last song or file.
- Hold down the button while playing to fast rewind through tracks.
- During time length repeat set up, hold down the button to decrease the time length.
- Scroll up in menus.

(6) Next track/Fast forward (▶▶|) Button

- Skip to the next track while playing music, or to the next file while playing recorded files. If current song or file is already the last one, pressing this button brings you to the first song or file.
- Hold down the button while playing to fast forward through tracks.
- During time length repeat set up, hold down the button to increase the time length.
- Scroll down in menus.

(7)/(8) Volume up (VOL +)/Volume down (VOL -) Button

- Use the 2 volume control buttons to adjust playback volume: "+" to increase (up to level 17) it and "-" to decrease (down to level 0) it. The volume status is displayed on the display.
- Press the **VOL–** button immediately followed by pressing the **EQ/REP** button to lock the buttons on the player to prevent unwanted button operations (the icon 🔒 will appear on the display). Repeat the button pressing combination again to unlock the buttons (the 🔒 icon disappears).

(9) Section repeat/Time length repeat (A-B/TRP) Button

- While playing, press this button to set the starting point for section repeat. The icon "An" will appear on the display. Press this button again to set the ending point. The icon "AnB" will appear on the display and meanwhile the player will start playing the section repeatedly. Press this button to cancel section repeat. The icon "AnB" disappears and resumes to normal playback mode.
- When the TRP time length has been set, hold down this button for 2 seconds to start time length repeat.

(10) Equalizer/Frame repeat (EQ/REP) Button

- While playing MPR (music with lyrics) files, press this button to repeat the current frame.
- In FM Radio mode, press this button to choose from the following settings: Select Chnl., Search Chnl., FM Level, and Frequency Step.

- While playing, hold down this button for 2 seconds to change the EQ settings. There are 8 pre-set modes available: Normal, Classic, Live, Rock, Pop, Jazz, Treble and Bass (5 modes available for WMA music: Normal, Classic, Live, Rock and Pop).

(11) Microphone

For voice recording.

(12) Wired remote control jack

For connecting the wired remote control.

(13) Earphone jack

For connecting the earphone.

(14) Hand strap hole

For installing the hand strap.

(15) USB/Charger port

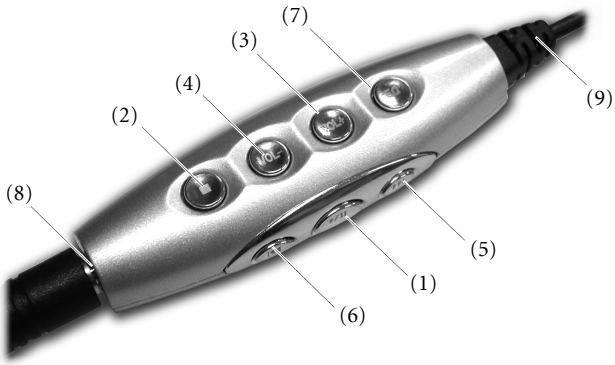
- As a USB port, you can connect the USB cable to this port and the USB port on your computer to establish connection between both.
- As a charger port, you can connect the battery charger to this port to charge the built-in battery.

(16) LINE IN jack

For connecting other sound signal sources such as CD player, MP3 player, PC..., etc. for recording.

In standby mode, the player will shut down automatically if there is no operation for 3 minutes to save battery power (this auto power off function will be disabled when the player is connected to PC).

The Wired Remote Control



(1) ON/OFF/Play (▶)/Pause(▮▮) Button

Executes the same actions as those by the ON/OFF/Play(▶)/Pause(▮▮)button on the player.

(2) Stop(■)/Menu Button

Executes the same actions as those by the Stop(■)/Menu button on the player.

(3)/(4) Volume up (VOL +)/Volume down (VOL -) Button

Executes the same actions as those by the Volume up (VOL +)/Volume down (VOL -) button on the player.

(5) Next track/Fast forward (▶▶\|) Button

Executes the same actions as those by the Next track / Fast forward (▶▶\|) button on the player.

(6) Previous track/Fast rewind (\|◀◀) Button

Executes the same actions as those by the Previous track / Fast rewind (\|◀◀)button on the player.

(7) Equalizer/Frame repeat (EQ/REP) Button

Executes the same actions as those by the Equalizer/ Frame repeat (EQ/REP) button on the player.

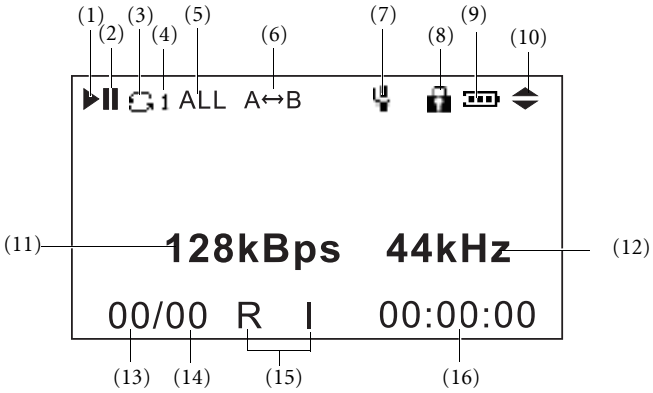
(8) Earphone jack

For connecting the earphone.

(9) Wired remote control jack

For connecting the wired remote control.

The LCD Display



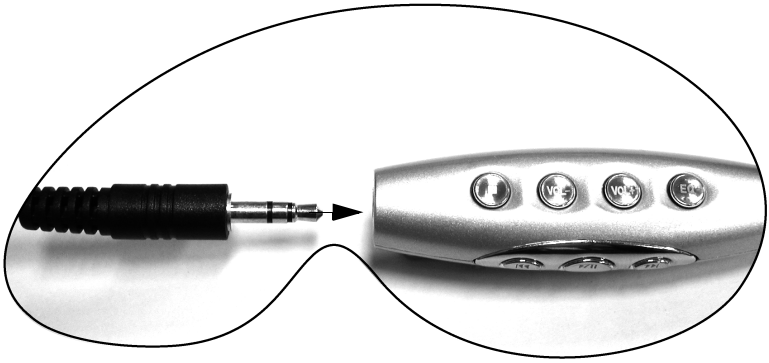
No.	Description
(1)	Appearance of this icon indicates that the player is in playback mode.
(2)	Appearance of this icon indicates that the player is in pause status.
(3)	Appearance of this icon indicates that the player is in language repeated reading mode.
(4)	When this icon appears in combination with icon (3), the player is in single track repeat mode .
(5)	When this icon appears in combination with icon (3), the player is in all tracks repeat mode .
(6)	Appearance of this icon indicates that the player is in A-B repeat mode.
(7)	Appearance of this icon indicates that the player is in recording mode.
(8)	Appearance of this icon indicates that the buttons on the player are locked.
(9)	Shows remaining battery power.
(10)	Page up/page down.
(11)	Shows the bitrate of current playing song.
(12)	Shows the sampling rate of current playing song.
(13)	Shows current track number in music playback mode, current channel no. in FM Radio mode, or current file no. in eBook reading mode.
(14)	Shows total number of tracks in music playback mode, total number of channels in FM Radio mode or total number of files in eBook reading mode.
(15)	Shows playback mode.
(16)	Shows current track elapsed time when playing or recording time when recording.

3 vertical bars in the battery status icon indicate that the battery power is sufficient. Only one bar in the icon indicates that the power is weak. If there are no bars in the icon , the battery is near empty and you need to charge it immediately. The player will turn off automatically, and any recording in progress will be saved.

2 Getting the Joybee 150 Digital Audio Player Ready

Connecting Earphone and Remote Control

As illustrated, plug the earphone into the earphone jack on the wired remote control, and then the wired remote control into the wired remote control jack on the Joybee 150 Digital Audio Player.

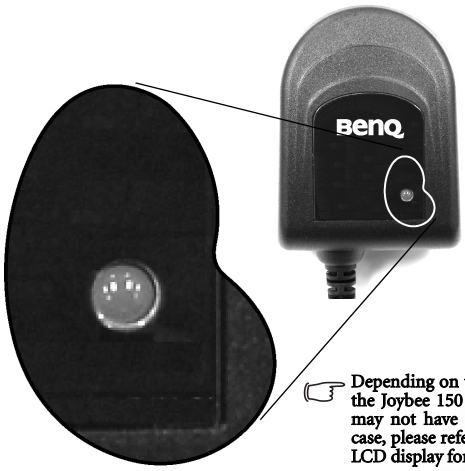


Charging the Battery

Connect the battery charger to the Joybee 150 Digital Audio Player and a wall outlet as shown to begin charging the built-in battery. When charging, the indicator light on the charger will light up red. It will turn into amber as the charging time passes by. After about 3 hours, the indicator light turns into green and the battery is fully charged. Now you can disconnect the player from the charger.

If time allows. it is recommneded that you keep the charging process going for one more hour even when the indicator light on the charger turns into green. A fully charged battery is capable of providing up to 10 hours of playback time. The maximum playback time will vary depending on the playback volume and file format.

When the battery is completely drained after your first time use, extend the charging time for 2 more hours than usual.



Depending on the location where you purchased the Joybee 150 Digital Audio Player, the charger may not have an indicator light on it. In such case, please refer to the battery status icon on the LCD display for the status of battery.

Installing Joybee 150 Digital Audio Player Software

Insert the Joybee 150 Digital Audio Player CD-ROM into your CD-ROM drive. A few seconds later, a software installation menu will appear on your computer screen. Click on an item to select it and start installing the selected software.

☞ **If the autorun function of your CD-ROM drive is disabled, look for the file "Setup.exe" in the CD-ROM directory using Windows Explorer and double-click on it. The software installation menu will then appear.**

Follow the on-screen instructions to install. Please refer to the table below for a brief description of the contents on the CD-ROM and what you can do with these bundle material.

Items on the installation screen	Introduction
Install QMusic	Click this item to install QMusic. QMusic is a powerful music management software program that allows you to easily convert CD music into .mp3 format, save the converted files or update music in the Joybee Digital Audio Player through just a few clicks, or let it perform update automatically. Besides, you can also use it as a standalone music player to play music and create multiple playlists. For how to use QMusic in combination with the Joybee 150 Digital Audio Player, plrese see "Using QMusic" on page 32
Install Joybee 150 Digital Audio Player Software	Click this item to install Joybee 150 Digital Audio Player software. The software consists of 3 different tools: **System Update Tool** for updating firmware and display font in the Joybee 150 Digital Audio Player, **Lyrics Editing and Conversion Tool** for editing and creating music-lyrics sync files, and **Startup/Shutdown Screen Editing Tool** for converting your favorite pictures into the power on/off screen of the Joybee 150 Digital Audio Player. For more information about how to use the Joybee 150 Digital Audio Player software, please see "Using the Joybee 150 Digital Audio Player Software" on page 26.
Install Windows Media Player 9	Click this item to install Windows Media Player 9. Click this item if you do not have such program in your computer, or what you have is an older version.
Install DirectX 8	Click this item to install DirectX 8. Click this item if you do not have such program in your computer, or what you have is an older version.
Install Acrobat Reader	Click this item to install the Acrobat Reader software for viewing the on-line manual files.
Read User Manual	Click this item to access the electronic user manual files.

Installing the USB Driver

Installing in Windows ME/Windows 2000/Windows XP

Turn on the power of the Joybee 150 Digital Audio Player by pressing the ▶/‖ button, and then connect it to the USB port of your computer using the USB cable. A **New Hardware Found** message will appear and installation will be completed automatically.

Installing in Windows 98

In addition to clicking **Install Joybee 150 Driver** on the software installation screen, you can also install the USB driver following the steps below:

1. Turn on the power of the Joybee 150 Digital Audio Player by pressing the ▶/‖ button, and then connect it to the USB port of your computer using the USB cable.
2. If the Adding New Hardware Wizard appearss, browse to select the files required for installation under the **Joybee 150** directory in the **BENQ** folder on the disk drive where you installed the Joybee 150 Digital Audio Player software.
3. Follow the instructions of the wizard to complete the installation process.

A **Removable Disk** icon will appear in **My Computer** window if installation is successfully completed.

3 Using the Joybee 150 Digital Audio Player

Turning the Player On and Off

In power off status, press the ▶/‖ button to turn on the player.

In playback and recording modes, press the ■ button to stop playing or recording and enter standby mode.

In power on status, press and hold the ▶/‖ button for about 2 seconds to turn off the player.

☞ **Do not use the power switch to turn on or off the player. Should you do so, please wait for 5 seconds before turning the player on.**

Playing Music

1. Press the ▶/‖ button to turn on the player and the main menu will appear on the display automatically.
2. In the main menu, press the |◀◀ or ▶▶| button to scroll to **Play Music** and press the ▶/‖ button. Directories currently in the Joybee 150 Digital Audio Player will appear on the display.
3. Press the ▶/‖ button to enter music file list.
4. Press the |◀◀ or ▶▶| button to scroll to the music file you want to play, and then the ▶/‖ button to start playing.

While playing music, you can press the ▶/‖ button to pause. The icon ▶/‖ will appear on the display. Press the button again to continue playing.

☞ **You can also play music files by a playlist created by QMusic. To do so, follow the steps below:**

1. Create a playlist in Joybee 150 following the steps described in see "Adding songs to the Joybee 150 Digital Audio Player using QMusic" on page 34.

2. In the main menu, press the |◀◀ or ▶▶| button to scroll to Play Music and press the ▶/‖ button.

3. Press the |◀◀ or ▶▶| button to scroll to "MP3" directory and press the ▶/‖ button.

4. Press the ▶/‖ button.

Lyrics Synchronization

The Joybee 150 Digital Audio Player is capable of showing lyrics on the display simultaneously while playing a song.

In order to use this function, you need to setup and convert the necessary files (Please see "Using the Lyrics Editing and Conversion Tool" on page 26) and activate the Lyrics sync function (Please see "Lyrics Sync" on page 21).

Section Repeat, Time Length Repeat and Frame Repeat

The Joybee 150 Digital Audio Player provides 3 different repeat modes: Section Repeat, Time Length Repeat and Frame Repeat.

Section Repeat: While playing, press the **A-B / TRP** button to set the starting point for section repeat. The icon "An" will appear on the display. Press the **A-B / TRP** button again to set the ending point. The icon "AnB" will appear on the display and meanwhile the player will start playing the section repeatedly. Press the **A-B / TRP** button to cancel section repeat. The icon "AnB" disappears and resumes to normal playback mode.

Time Length Repeat: When playing music, press and hold the **A-B / TRP** button for about 2 seconds. The Joybee 150 Digital Audio Player will mark current time as the ending time, go back the period as specified by Repeat Time (Please see see "Repeat Time" on page 14) to where the period starts and repeat the music in the set period of time. In this mode, the icon will flash on the display. To return to normal playback mode, press the **A-B / TRP** button again.

Frame Repeat: When playing lyrics sync files, press the **EQ/REP** button when a sentence is finished. The Joybee 150 Digital Audio Player will play that sentence repeatedly. To return to normal playback mode, press the **EQ/REP** button again.

Play Speed, Equalizer, Play Mode and Repeat Time

When playing music, press and hold the ■ button for about 2 seconds. The on-line menu will appear on the display. Press the |◀◀ or ▶▶| button to scroll to an item, and then the ▶/II button to confirm and select it. The on-line menu consists of 4 setup items: Play Speed, Equalizer, Play Mode and Repeat Time.

Play Speed

You can select from the following play speeds: Normal Speed, Slow Speed 1, Slow Speed2, Slow Speed 3, Slow Speed 4 and Slow Speed 5. Press the |◀◀ or ▶▶| button to scroll to a play speed, and then press the ■ button twice to select it.

Equalizer

You can select from the following equalizer modes: Normal, Classic, Live, Rock, Pop, Jazz, Full-Treble and Full Bass. Press the |◀◀ or ▶▶| button to scroll to an equalizer mode, and then press the ■ button twice to select it.

Play Mode

The Joybee 150 Digital Audio Player provides the following play modes:

Normal: The Joybee 150 Digital Audio Player plays from the selected file to the last file in the memory. **ALL** will appear on the display in this mode.

Repeat All: The Joybee 150 Digital Audio Player plays all files in the memory repeatedly. The icon ALL will appear on the display in this mode.

Random: The Joybee 150 Digital Audio Player plays files in the memory without any fixed order.

Introduction: The Joybee 150 Digital Audio Player only plays the first 15 seconds of each file in the memory.

Repeat One: Play current playing song repeatedly. The icon 1 will appear on the display in this mode.

Press the |◀◀ or ▶▶| button to scroll to a play mode, and then press the ■ button twice to select it.

Repeat Time

Here you can setup the length of time period for the Time Length Repeat function. The selectable time period length ranges from 10 seconds to 254 seconds. Press the |◀◀ or ▶▶| button to scroll to a time length , and then press the ■ button twice to select it.

Recording and Related Setup

The Joybee 150 Digital Audio Player supports the following recording functions: FM radio recording, recording using the built-in microphone, recording through the Line-In signal source. The recordable time depends on the bitrate selected and remaining space in the memory.

- **In order to ensure the recording quality, if the backlight of the display is on while recording, it will be turned off automatically. When you finish recording, the backlight will resume its original status automatically.**
- **The maximum number for recorded files is 1000.**

Record Setup

1. In the main menu, press the |◀◀ or ▶▶| button to scroll to **Recording** and press the ▶/‖ button.
2. Press the |◀◀ or ▶▶| button to scroll to **Record Setup** and then press the ▶/‖ button.
3. The record setup options will appear on the display. Press the |◀◀ or ▶▶| button to scroll to an option and press the ▶/‖ button to confirm and select it.

Rec. Source

MIC: Record using the built-in microphone of the Joybee 150 Digital Audio Player.

LINE IN: Record using the Line In connection to other signal source.

Press the |◀◀ or ▶▶| button to scroll to a desired item, and then the ▶/‖ button to select it.

Encoder Mode

MPEG1 Layer3: This mode has higher sampling rates and provides better sound quality even at moderate bitrates. The CD sound quality can be achieved when recording with sampling rate at 44.1kHz and bitrate at 128kbps. The higher the sampling rate and bitrate, the better the recorded sound quality.

MPEG2 Layer3: This mode has lower sampling rate and is suitable for sound source with few variation in frequency.

Press the |◀◀ or ▶▶| button to scroll to a desired item, and then the ▶/‖ button to select it.

Sync Mode (For Line In recording)

SYNC OFF: In this mode, when you select **Record Now** in the menu, the Joybee 150 Digital Audio Player starts recording regardless of whether there is sound signal or not. Recording will be stopped when the memory space is full.

SYNC ON: In this mode, when you select **Record Now** in the menu, the Joybee 150 Digital Audio Player will not start recording unless the input sound signal strength

reaches a preset level. Recording will be stopped and a new recorded file will be created when there is a long period of silence in between the sound signal. The length of silence period is determined by the sampling rate: the higher the sampling rate, the shorter the silence period. When the silence period exceeds 1 minute, the Joybee 150 Digital Audio Player will exit the recording mode automatically, otherwise it will continue to record the next file.

1 SYNC: In this mode, when you select **Record Now** in the menu, the Joybee 150 Digital Audio Player will not start recording unless the input sound signal strength reaches a preset level. Recording will be stopped and a new recorded file will be created when there is a one-minute silence period in between the sound signal. Afterwards the Joybee 150 Digital Audio Player will exit the recording mode automatically. The length of the silence period is determined by the sampling rate: the higher the sampling rate, the shorter the silence period.

Press the |◀◀ or ▶▶| button to scroll to a desired item, and then the ▶/❚❚ button to select it.

Channel Mode

Joint Stereo:for recording in MPEG1 LAYER3 mode.

Stereo:for recording in MPEG1 LAYER3 and MPEG2 LAYER3 modes.

Mono:for recording in MPEG1 LAYER3 and MPEG2 LAYER3 modes.

Press the |◀◀ or ▶▶| button to scroll to a desired item, and then the ▶/❚❚ button to select it.

VAD Setup (For recording using the built-in microphone)

VAD ON: In this mode, when you select **Record Now** in the menu, the Joybee 150 Digital Audio Player will not start recording unless the sound signal from the built-in microphone reaches the preset level.

VAD OFF: In this mode, when you select **Record Now** in the menu, the Joybee 150 Digital Audio Player starts recording immediately, regardless of whether there is sound signal from the built-in microphone or not.

Press the |◀◀ or ▶▶| button to scroll to a desired item, and then the ▶/❚❚ button to select it.

VAD Level

This setup item configures the sound signal threshold level by which the Joybee 150 Digital Audio Player uses to determine the strength of sound signal in SYNC ON, 1 SYNC and VAD ON modes. Sound signal with strength lower than the level configured here will be considered silence.

LOW Level: Set the sound signal threshold to a lower level.

MID Level: Set the sound signal threshold to middle level.

HIGH Level: Set the sound signal threshold to a higher level.

Press the |◀◀ or ▶▶| button to scroll to a desired item, and then the ▶/❚❚ button to select it.

Bitrate

The higher the bitrate, the lower the compression rate and thus will result in higher sound quality.

In MPEG1 LAYER3 recording mode, you can select a bitrate from 32kbps to 224kbps. It is recommended that you record at a bitrate of 128kbps.

In MPEG2 LAYER3 recording mode, you can select a bitrate from 16kbps to 160kbps.

Press the |◀◀ or ▶▶| button to scroll to a desired item, and then the ▶/‖ button to select it.

Sampling Frequency

The higher the sampling frequency (with larger number before kHz), the higher the sound quality and it will also result in larger recorded files.

In MPEG1 LAYER3 recording mode, you can select a sampling frequency at 32kHz, 44.1kHz or 48kHz. When recording music, it is recommend that you use a sampling frequency at 44.1kHz.

In MPEG2 LAYER3 recording mode, you can select a sampling frequency at 16kHz, 22.05kHz or 24kHz.

Press the |◀◀ or ▶▶| button to scroll to a desired item, and then the ▶/‖ button to select it.

Silence Time

When recording using the built-in microphone of the Joybee 150 Digital Audio Player, if the VAD did not detect any sound signal at a period of time set here, a new recorded file will be created automatically. The selectable silence time ranges from 0.5 to 1.5 seconds.

Press the |◀◀ or ▶▶| button to scroll to a desired item, and then the ▶/‖ button to select it.

Using the Record Function

Recording using the built-in microphone or sound signal source input

1. Press the ▶/‖ button to turn on the player and the main menu will appear on the display.
2. Press the |◀◀ or ▶▶| button to scroll to **Recording** and press the ▶/‖ button.
3. Press the |◀◀ or ▶▶| button to scroll to **Record Setup** and press the ▶/‖ button. Configure record setup according to the sound signal input source, recording environment and sound quality. Press the ■ button several times to return to the record menu. This step can be skipped if you have already configured the record setup options beforehand,
4. If you want to record from input sound signal source through the Line In connection, plug one end of the Line In cable to the Line In jack of the Joybee 150 Digital Audio Player, and the other end to the signal output device.
5. Press the |◀◀ or ▶▶| button to scroll to **Record Now** and press the ▶/‖ button to start recording. If you are recording from Line In source, first start playing the sound signal on the output device before start recoeding on the Joybee 150 Digital Audio Player. When recording is in progress, the icon will flash on the display. **Mic** will appear on the display if you are using the built-in microphone for recording, and **Line In** if you are using Line In as the signal source.
6. To stop recording, press the ■ button. The Joybee 150 Digital Audio Player will create a recorded file and locate it behind all existing files in the memory.

- **When you record using the built-in microphone, a directory named MICIN will be created automatically in the player. All files recorded using the built-in microphone will be saved in that directory automatically.**
- **When you record from the external Line In source, a directory named LINE IN will be created automatically in the player. All files recorded from the external Line In source will be saved in that directory automatically.**
- **When recording is completed, you will be switched to current recording directory. To return to the previous directory, press the A-B/TRP button.**

FM Radio

- **To ensure FM reception quality, the backlight of the display will be disabled automatically in the FM Radio mode,**
- **Please be sure to wear the earphone when searching for radio stations. The earphone cable is used as a signal reception antenna in the FM Radio mode.**

Entering and Exiting the FM Radio Mode

1. Press the ▶/‖ button to turn on the player and the main menu will appear on the display.
2. Press the |◀◀ or ▶▶| button to scroll to **FM Radio** and press the ▶/‖ button.
3. The preset radio station list will appear on the display. Press the |◀◀ or ▶▶| button to scroll to a desired radio station and press the ▶/‖ button. While listening, you can also press the |◀◀ or ▶▶| button to switch to another preset radio station.

   If there are no existing preset radio stations, the preset radio station list will be empty. Please refer to the method described below to setup the preset radio stations.
4. To exit FM Radio mode, press the ■ button.

Tuning preset Radio Stations

1. Press the ▶/‖ button to turn on the player and the main menu will appear on the display.
2. Press the |◀◀ or ▶▶| button to scroll to **FM Radio** and press the ▶/‖ button.
3. Press the **EQ/REP** button several times until **Search Chnl.** appears on the display.
4. Press the |◀◀ or ▶▶| button to search manually, or press and hold the |◀◀ or ▶▶| button for about 2 seconds to let the Joybee 150 Digital Audio Player locate available radio stations automatically. When a radio station is located, searching will be stopped automatically.
5. Press the **A-B/REP** button to save the radio station to the preset radio station list. You will be asked if you want to overwrite current preset radio stations. To overwrite, press the |◀◀ or ▶▶| button to scroll to **YES** and press the ▶/‖ button.To create a new preset radio station, press the |◀◀ or ▶▶| button to scroll to **NO** and press the ▶/‖ button. You can create up to 30 radio stations on the preset radio station list.
6. Press the ■ button to return to the preset radio station list where you can continue searching and setup other radio stations.

Deleting Preset Radio Stations

1. While listening to FM radio, press the ▶/‖ button to return to the preset radio station list.
2. Press the |◀◀ or ▶▶| button to select the radio station you want to delete, and the press the **A-B/TRP** button. You will be asked if you are sure to delete it.
3. Press the |◀◀ or ▶▶| button to scroll to **YES** and press the ▶/‖ button.

Setting up Tuning Level

The tuning level setting allows the Joybee 150 Digital Audio Player to maximize radio station searching performance in different locations and eliminate interferences.

1. On the preset radio station list, press the **EQ/REP** button several times until **FM Level** appears on the display.

2. Press the |◀◀ or ▶▶| button to scroll to an appropriate level, and press the ▶/II button to select it.

Setting up Frequency Step

The frequency step setting allows the Joybee Digital Audio Player to be used in different countries where the FM frequency steps are different.

1. On the preset radio station list, press the **EQ/REP** button several times until **Frequency Step** appears on the display.

2. Press the |◀◀ or ▶▶| button to scroll to an appropriate step length, and press the ▶/II button to select it.

Viewing eBook

1. Press the ▶/II button to turn on the player and the main menu will appear on the display.

2. Press the |◀◀ or ▶▶| button to scroll to **eBook** and press the ▶/II button.

3. If there are already eBook (.txt) files in the Joybee 150 Digital Audio Player memory, the file list will appear on the display. Otherwise, the list will be empty. You need to convert the contents of books or articles into .txt files (For example, save them as .txt files) and transfer them to the player. Please see "Batch Converting .txt eBook Files" on page 29 for details.

4. Press the |◀◀ or ▶▶| button to scroll to the file you want to read and press the ▶/II button. The contents of the selected file will be opened to the display.

5. While reading the eBook, press the |◀◀ or ▶▶| button to go to the previous or next page.

   Press and hold the |◀◀ or ▶▶| button to skip through pages.

Listening to FM Radio While Reading eBooks

While reading eBooks, press the **A-B/TRP** button to turn on FM Radio (The FM Radio mode will not be displayed). You will go to the radio station you last listened to in the FM Radio mode. You can press the VOL+ or VOL- key to adjust volume.

Press the **A-B/TRP** button again to turn off FM radio. Press the ■ button to exit eBook and return to the previous menu.

Memory Management

1. Press the ▶/‖ button to turn on the player and the main menu will appear on the display.
2. Press the |◀◀ or ▶▶| button to scroll to **Memory Management** and press the ▶/‖ button.
3. The memory management options menu will appear on the display. Press the |◀◀ or ▶▶| button to sroll to an option and press the ▶/‖ button to access configuration settings.

Inquiring Memory Status

1. On the memory management options menu, press the |◀◀ or ▶▶| button to scroll to **Memory Info.** and press the ▶/‖ button.
2. The current memory status of the Joybee 150 Digital Audio Player will appear on the display. Press the ■ button to return to the memory management options menu.

Deleting Files

1. On the memory management options menu, press the |◀◀ or ▶▶| button to scroll to **Delete File** and press the ▶/‖ button.
2. A list of directories will appear on the display. Press the |◀◀ or ▶▶| button to scroll to the directory of the file you want to delete and press the ▶/‖ button.
3. Press the |◀◀ or ▶▶| button to scroll to the file you want to delete and press the ▶/‖ button.
4. You will be asked if you are sure to delete it. Press the |◀◀ or ▶▶| button to scroll to **YES** and press the ▶/‖ button.

Clearing Folder

1. On the memory management options menu, press the |◀◀ or ▶▶| button to scroll to **Clear Folder** and press the ▶/‖ button.
2. Press the |◀◀ or ▶▶| button to scroll to the folder you want to clear and press the ▶/‖ button to select it.
3. You will be asked if you are sure to clear the selected folder. Press the |◀◀ or ▶▶| button to scroll to **YES** and press the ▶/‖ button.

Quick Format

1. On the memory management options menu, press the |◀◀ or ▶▶| button to scroll to **Quick Format** and press the ▶/‖ button.
2. You will be asked whether you are sure to proceed with format operation. Press the |◀◀ or ▶▶| button to scroll to **YES** and press the ▶/‖ button.

⚠ **All files in the memory will be cleared after quick format is performed.**

Complete Format

1. On the memory management options menu, press the |◀◀ or ▶▶| button to scroll to **Comp. Format** and press the ▶/|| button.
2. You will be asked if you are sure to proceed with format operation. Press the |◀◀ or ▶▶| button to scroll to **YES** and press the ▶/|| button.

All files in the memory will be cleared after format is performed.

The difference between Complete Format and Quick Format lies in the error checking process. Quick Format does not perform error checking to the memory while Complete Format does. This also result in the difference in formatting speed: it is quicker to perform Quick Format than Complete Format.However, if unstability frequently occurs to your Joybee 150 Digital Audio Player, it is recommended that you perform Complete Format to correct possible memory error.

System Setup

1. Press the ▶/|| button to turn on the player and the main menu will appear on the display.
2. Press the |◀◀ or ▶▶| button to scroll to **System Setup** and press the ▶/|| button.
3. The system setup options menu will appear on the display. Press the |◀◀ or ▶▶| button to scroll to an option and press the ▶/|| button to access its configuration settings.

Selecting Display Language

1. On the system setup options menu, press the |◀◀ or ▶▶| button to scroll to **Language** and press the ▶/|| button.
2. Press the |◀◀ or ▶▶| button to scroll to a desired language and press the ▶/|| button.

Adjusting Display Contrast

1. On the system setup options menu, press the |◀◀ or ▶▶| button to scroll to **LCD Contrast** and press the ▶/|| button.
2. Press the |◀◀ or ▶▶| button to adjust the display contrast to a satisfactory level and press the ▶/|| button.

Setting up Display Backlight

1. On the system setup options menu, press the |◀◀ or ▶▶| button to scroll to **Backlight** and press the ▶/|| button.
2. You can choose from the following 3 options for backlight:

On: If this option is selected, after you turn on the power of the Joybee 150 Digital Audio Player, the backlight of the display will remain on. It is suitable for occasions when you read eBooks in a dark environment.

Off: If this option is selected, the backlight of the display will remain off even when the power of the Joybee 150 Digital Audio Player is on. This is a useful feature when you want to save battery power for longer playback time.

Manual: If this option is selected, the backlight of the display will be turned on when you press a button on the Joybee 150 Digital Audio player, and go off after 15 seconds if there are no subsequent button operations.

Press the |◀◀ or ▶▶| button to scroll to an option and press the ▶/❚❚ button to select it.

Lyrics Sync

You can activate and deactivate the lyrics sync function with this option.

1. On the system setup options menu, press the |◀◀ or ▶▶| button to scroll to **Lyrics Sync** and press the ▶/❚❚ button.
2. You will be prompted to select **YES** or **NO**. If **YES** is selected, the lyrics sync function will be activated when the Joybee 150 Digital Audio Player plays an MPR file or MP3/WMA and LYR files that have the same file name. If **NO** is selected, the lyrics sync function will be disabled.
3. Press the |◀◀ or ▶▶| button to scroll to **YES** or **NO** and press the ▶/❚❚ button to select it.

Updating Firmware and Display Font

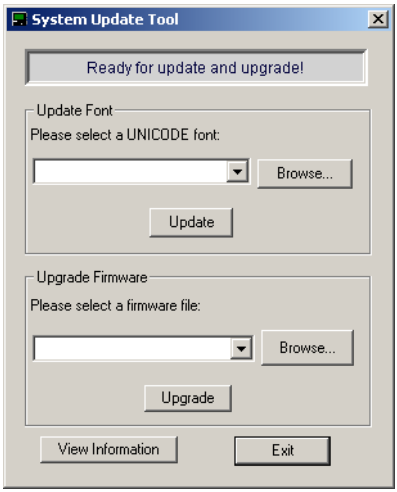
Firmware is the pre-programmed data stored internally in the Joybee 150 Digital Audio Player and it controls the interface and functions of the player itself. Font is the appearance of text that appears on the display. You can update the firmware and font of your Joybee 150 Digital Audio Player when an update firmware or font file is available from the BenQ website.

Upgrading Firmware

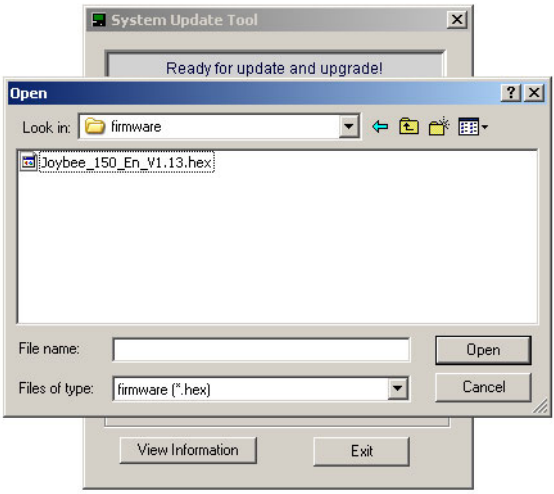
1. On the system setup options menu, press the |◀◀ or ▶▶| button to scroll to **Update** and press the ▶/❚❚ button.
2. Connect the Joybee 150 Digital Audio Player to the USB port of your computer using the USB cable. You will be prompted by the display of the player if connection has been made successfully.

☞ **After connecting the Joybee 150 Digital Audio Player to your computer, if the Add New Hardware Wizard appears on the screen, please browse to select the files required for installation under the Joybee 150\drivers\update directory in the BENQ folder on the disk drive where you installed the Joybee 150 Digital Audio Player software. Follow the instructions of the wizard to complete the installation process.**

3. Click the **Start** button on Windows Taskbar and select **Programs**, **BenQ Joybee 150 Digital Audio Player**, **System Update Tool** to open the System Update Tool program.



4. Click the **Browse...** button in **Upgrade Firmware** to browse for the update firmware file.
5. When the file is located, click to select the file and click **Open**, **Upgrade**.



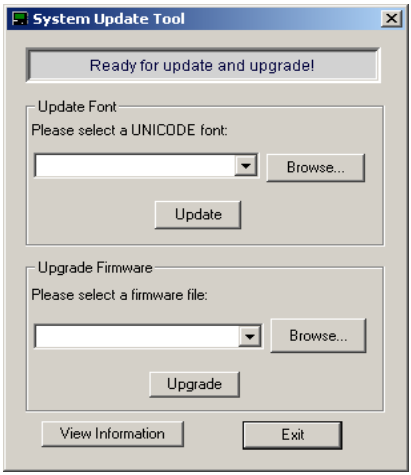
6. When the update operation is completed, a dialogue box will appear, asking you to disconnect the Joybee 150 Digital Audio Player from the PC and restart the player. Disconnect the player, move the power switch on the player to the OFF position and then move it back to the ON position, then press the ▶/‖ button to turn on the player.

Updating Font

1. On the system setup options menu, press the ⏮ or ⏭ button to scroll to **Update** and press the ▶/⏸ button.
2. Connect the Joybee 150 Digital Audio Player to the USB port of your computer using the USB cable. You will be prompted by the display of the player if connection has been made successfully.

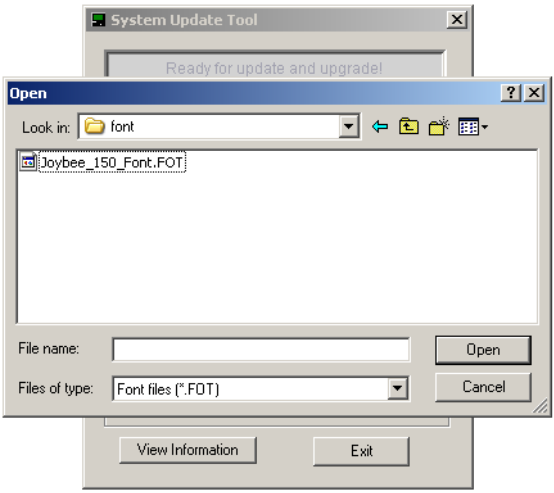
After connecting the Joybee 150 Digital Audio Player to your computer, if the Add New Hardware Wizard appears on the screen, please browse to select the files required for installation under the Joybee 150\drivers\update directory in the BENQ folder on the disk drive where you installed the Joybee 150 Digital Audio Player software. Follow the instructions of the wizard to complete the installation process.

3. Click the **Start** button on Windows Taskbar and select **Programs**, **BenQ Joybee 150 MP3 Player**, **System Update Tool** to open the System Update Tool program.



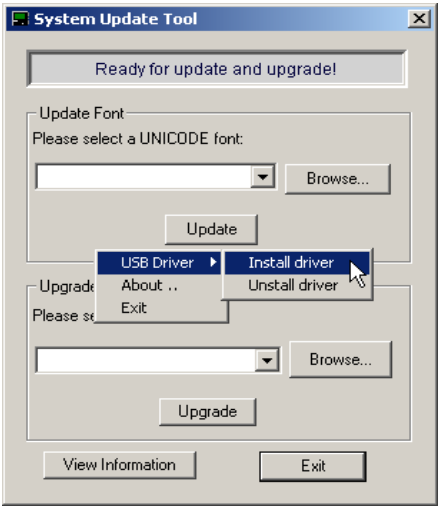
4. Click the **Browse...** button in **Update Font** to browse for the update font file.

5. When the update font file is located, click to select the file and click **Open**, **Update**.



Before performing firmware upgrade and font update, if the player can not be connected successfully, please do the following:

1. Right-click on the System Update Tool program window and select "USB Driver", "Install Driver" in the sub-menu that appears.



2. The computer will generate and execute a cmd.exe file automatically. When done, it is recommended that you restart the computer.

If the connection problem still persists, please follow the steps below:
1. When the player is in update mode, connect the player to the computer using the USB cable.
2. Right-click on the "My Computer" icon on Windows Desktop and select "Properties" in the submenu that appears.
3. Go to "Device Manager" and check if there is a "X" symbol beside "USB Device". If yes, select the device and delete it.
4. Click "Refresh" or "Scan for hardware changes", and then re-connect the Joybee 150 Digital Audio Player to the computer.

Setting Up the Startup and Shutdown Screen

The Joybee 150 Digital Audio Player allows you to personalize the startup and shutdown screens. To do so, first you need to convert the image file into the format that can be accepted by the Joybee 150 Digital Audio Player using the Startup/Shutdown Screen Editing Tool. Second, copy the converted file to the player and follow the steps below to select the file to use. For more information on how to use the Startup/Shutdown Screen Editing Tool, please see "Using the Startup/Shutdown Screen Editing Tool" on page 29.

1. On the system setup options menu, press the |◀◀ or ▶▶| button to scroll to **Screen Setup** and press the ▶/❚❚ button.
2. Press the |◀◀ or ▶▶| button to scroll to **Startup**, **Shutdown** or **Default**, and then press the ▶/❚❚ button to confirm.
3. You will see the preview of the screen files. Press the |◀◀ or ▶▶| button to scroll to a desired file and then press the ▶/❚❚ button to select it. After a file is selected, you will return to the previous menu. If you have selected **Default** in step 2, the startup and shutdown screen will be reset to the default status.

System Reset

With this function, you can reset the settings of the Joybee 150 Digital Audio Player to its factory default status.

1. On the system setup options menu, press the |◀◀ or ▶▶| button to scroll to **System Reset** and press the ▶/❚❚ button.
2. You will be asked if you are sure to proceed with the reset. Press the |◀◀ or ▶▶| button to scroll to **YES** and then press the ▶/❚❚ button to reset.

Viewing System Information

The system information is useful when your Joybee 150 Digital Audio Player needs servicing.

To system information of the Joybee 150 Digital Audio Player, on the system setup options menu, press the |◀◀ or ▶▶| button to scroll to **System Info** and press the ▶/❚❚ button. Related information will appear on the display.

Using the Joybee 150 Digital Audio Player as a USB Flash Drive

In combination with the USB cable, you can use the Joybee 150 Digital Audio Player as a handy USB flash drive.

1. Connect the Joybee 150 Digital Audio Player using the USB cable. The player will be recognized automatically and there will be a new removable disk icon in the My Computer window.
2. Now you can manage files by using the cut/copy/paste commands between your PC and the player.

☞ **If the files are not in .mp3, .wma or .txt formats, they will not be recognized by the Joybee 150 Digital Audio Player as music or eBook files. and will not effect normal functions.**

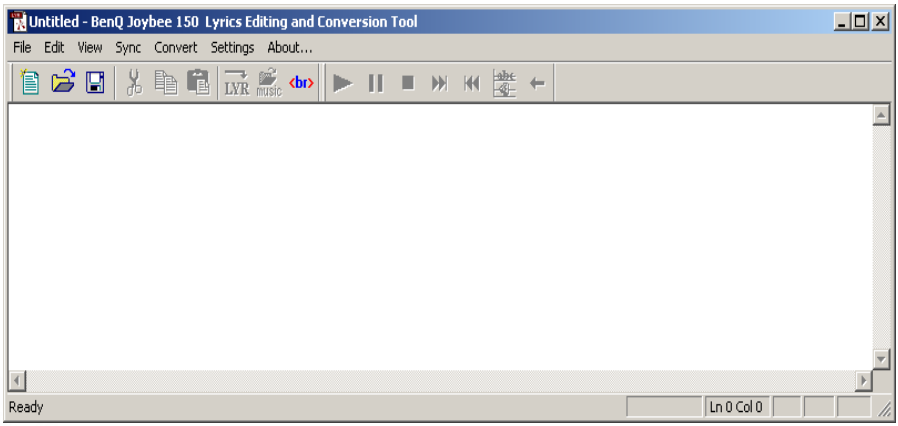
4 Using the Joybee 150 Digital Audio Player Software

Using the Lyrics Editing and Conversion Tool

The Joybee 150 Digital Audio Player Lyrics Editing and Conversion Tool allows you to combine and convert the lyrics text files (.txt format) and song files (.mp3, .wav formats) into .mpr files for the lyrics sync function of the player.

To open the Lyrics Editing and Conversion Tool, Click the **Start** button on Windows Taskbar and select **Programs**, **BenQ Joybee 150 MP3 Player, Lyrics Editing and Conversion Tool.**

The Main Screen



The table below is an introduction to the function of each button on the main screen:

Button	Function	Button	Function
	Create a new file		Wrap text (when editing lyrics, place mouse cursor on the beginning of each line and click this button to force starting a new line)
	Open an existing file		Play (Click this buton to play the music file)
	Save file		Pause (Click this button to pause)
	Cut		Stop (Click this button to stop)
	Copy		Fast forward (Click this button to step 1 second forward)
	Paste		Fast rewind (Click this button to step 1 second behind)

LYR	Convert to LYR file		Synchronize (Click this button to insert a synchronization point)
music	Open the song file for the lyrics		Remove the last inserted sync point

Step 1: Synchronize the lyrics with the song

Your computer must have a sound card and an earphone or speaker for this operation.

1. Click the button to open a lyrics text file (in .txt format). You can also copy lyrics from elsewhere and paste it onto the Lyrics Editing and Conversion Tool window directly.

2. Click the music button to open the song file for the lyrics.

3. The music file will play automatically after it is opened. Now you can start synchronizing the lyrics with the song. When the song goes to the start of a sentence, place mouse cursor on the beginning of that sentence and click the button to mark a sync point. Perform the same action for the rest of the song and the lyrics.

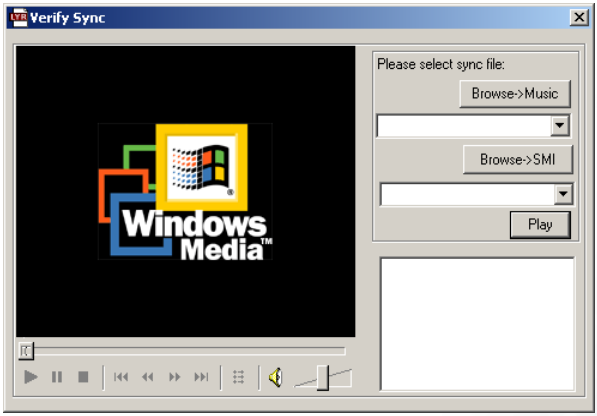
4. When finished, click the LYR butto to convert and save the synchronized lyrics as a .lyr file.

If you want to simulate the synchronization result, you need to save current file as a .smi file. Click "Sync" on the menu bar and select "Convert TLY into SMI".

Step 2: Simulate the synchronization result (Optional)

Before simulating the synchronization result, make sure that you have Windows Media Player 7.0 or later versions in your computer. Otherwise, please download and install it from www.windowsmedia.com.

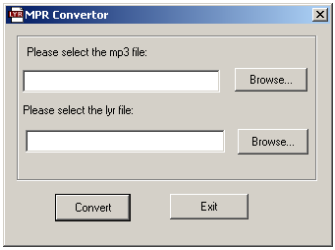
1. Click **Sync** on the menu bar and select **Verify Sync**. The following window will appear.



2. Click the **Browse->Music** button to browse for and select the music file and then the **Browse->SMI** button to browse for and select the corresponding .smi file. Click the **Play** button. The synchronization result will appear in a box at the lower right corner of the window.

Step 2: Combine and convert the synchronized lyrics file (.lyr file) and the music file into a .mpr file and transfer it to the Joybee 150 Digial Audio Player

1.Click **Convert** on the menu bar and select **MP3->MPR**. The following window will appear on the screen.



2. Click the **Browse...** button to browse for and select the MP3 music file.

3. Click the **Browse...** button to browse for and select the corresponding synchronized .lyr lyrics file.

4. Click **Covert**. A message box will appear when conversion is done.

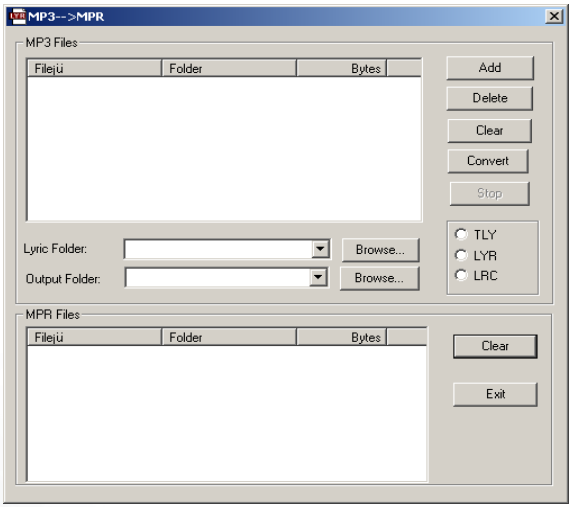
5. Copy the .mpr file to the Joybee 150 Digital Audio Player.

6. Select and play the .mpr file on the Joybee 150 Digital Audio Player, and you will see that the lyrics are synchronized with the song on the display.

☞ **You must also enable the Lyrics Sync function. Please see "Lyrics Sync" on page 21.**

You can also convert multiple song files and .lyr files at once. Follow the below steps:

1. Click **Convert** on the menu bar and select **Batch MP3->MPR**. The following window will appear on the screen.



3. Click the **Add** button to browse for and select the MP3 song files. You can select multiple files. When done, click the **Open** button.

4. Click the **Browse...** button next to the **Lyric Folder** drop-down menu and select the directory where the corresponding lyrics files are located. Click the **LYR** radio button on the right.

5. Click the **Browse...** button next to the **Output Folder** drop-down menu and select the directory where converted .mpr files will be located.

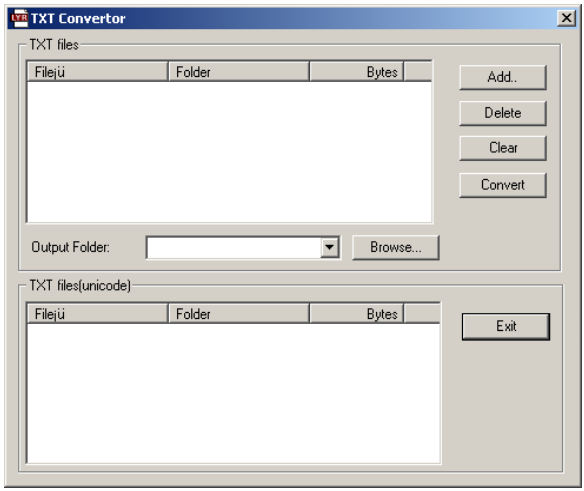
6. Click the **Convert** button to start converting selected files. You will be prompted by a message box when the operation is finished.

During the batch conversion process, the Lyrics Editing and Conversion Tool will combine the song file that has the same file name as that of the .lyr file and convert them into a .mpr file. If the names do not match, the software will go on to convert the next file. Therefore, please note that an MP3 song file must have the same name as that of the .lyr file for conversion. Otherwise, mismatch or errors may occur.

Batch Converting .txt eBook Files

Pure text (.txt) files may be encoded with the following encoding formats: ANSI, Unicode and UTF-8. However, the Joybee 150 Digital Audio Player supports only the ANSI and Unicode ones. The .txt file conversion tool of the Lyrics Editing and Conversion Tool is provided to convert your .txt eBook files into acceptable files using the supported encoding formats. (Unicode encoded .txt files can not be displayed normally in Windows 98).

1. Click **Convert** on the menu bar and select **Batch convert to txt**. The following window will appear on the screen.



2. Click the **Add...** button to browse for and select the .txt files. You can select multiple .txt files at once.

3. Click the **Browse...** button next to the **Output Folder** drop-down menu and select the directory where converted .txt files will be located.

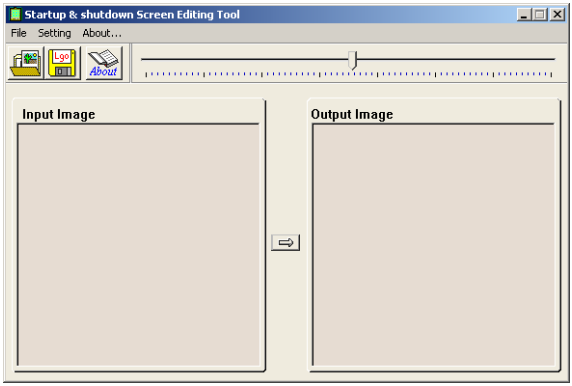
4. Click the **Convert** button to start converting selected files. You will be prompted by a message box when the operation is finished.

Using the Startup/Shutdown Screen Editing Tool

With the Startup/Shutdown Screen Editing Tool, you can customize the startup/shutdown screen of the Joybee 150 Digital Audio Player.

To open theStartup/Shutdown Screen Editing Tool, click the **Start** button on Windows Taskbar and select **Programs**, **BenQ Joybee 150 MP3 Player, Startup & Shutdown Screen Editing Tool.**

The Main Screen



The table below is an introduction to the function of each button on the main screen:

Button	Function
	Open image files in .bmp, .jpg or .gif formats.
	Save as .lgo startup/shutdown screen files.
	Information about the software.
	Adjust brightness (Move the slider to the left to decrease brightness, and to the right to increase brightness.

Step 1: Convert .bmp, .jpg or .gif image files into .lgo startup/shutdown screen files

1. Click the button to open a desired .bmp, .jpg or .gif image file.
2. After the file is opened, the image will appear on the left panel of the software main screen, and a preview picture of the output .lgo file will appear on the right panel.
3. Click and drag the brightness adjustment slider to adjust the brightness to a satisfactory level.
4. Click the button to convert and save the image as a .lgo startup/shutdown screen file.

- **Avoid using the Startup/Shutdown Screen Editing Tool to convert large images, such as files larger than 1MB.**
- **Due to the size limit of the Joybee 150 Digital Audio Player display (128x64 pixels), when converting .bmp, .jpg or .gif image files, if the dimension is larger than 128x64 pixels, it will be scaled down proportionally to a smaller image with a height of 64 pixels. If the original image file is smaller than 128x64 pixels, it will be converted to its original size. Therefore, to prevent possible scaling problems, it is recommended that you change the size of the image file to fit the size limit using image editing software.**

Step 2: Transfer the .lgo startup/shutdown screen file to the Joybee 150 Digital Audio Player and perform setup

Transfer the .lgo startup/shutdown screen file to the Joybee 150 Digital Audio Player and see "Setting Up the Startup and Shutdown Screen" on page 25 to select the .lgo file as the startup or shutdown screen.

5 Using QMusic

QMusic is a software program that helps you to easily organize your music collection. You can use it to play music CDs and MP3 files, convert CD music into .mp3 format, create playlists for playing music, burn music CDs and compile your own music album.

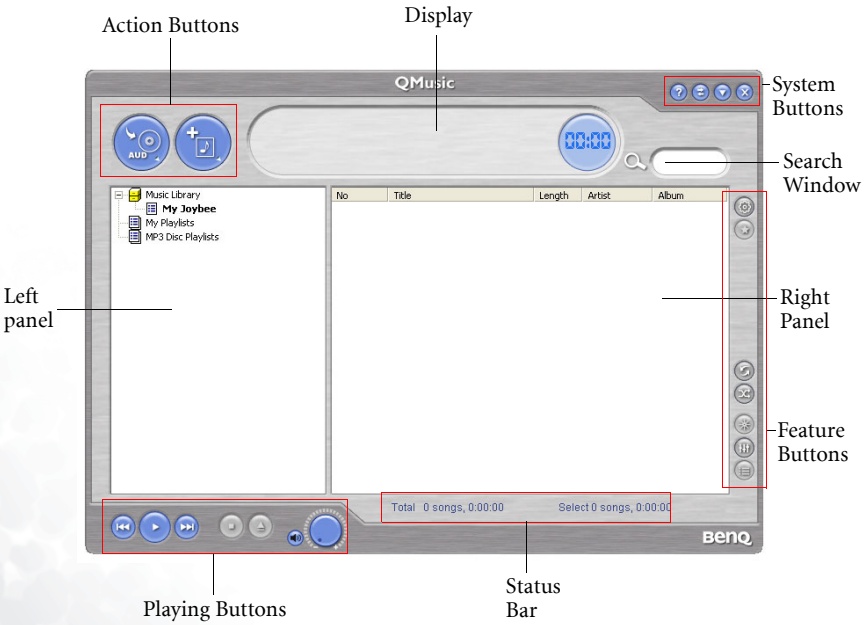
When used with the Joybee 150 Digital Audio Player, you can easily convert CD music into .mp3 format and transfer it to the player. You can also let QMusic update the music files in the player automatically.

The following section will focus on the QMusic functions that are used with the Joybee 150 Digital Audio Player. For instructions on how to use other features, please refer to its online help.

After QMusic is successfully installed, an icon will be created on your computer desktop. Double-click the icon to open QMusic.

Or, you can also click the **Start** button on Windows Taskbar and select **Programs**, **QMusic2**, **QMusic2**.

The Main Screen



Parts	Description
Action Buttons	Execute certain actions in QMusic.
Left Panel	Displays all available media for QMusic.

Music Playing Buttons	You can use these buttons to play music.
Status Bar	The detailed information of playlist will appear here, including total number of songs and total playback time.
Feature Buttons	When playing music, you can use these buttons to change play mode.
Right Panel	Shows songs in the selected playlist/media on the left panel.
Search Window	You search for a song by entering its name and pressing the magnifier icon.
System Buttons	Used to control the QMusic window.
Display	Shows the process currently being carried out by QMusic. For example, when playing music, the title of the song, elapsed time and other information will appear here.

Adding songs to the Joybee 150 Digital Audio Player using QMusic

After QMusic is opened, connect the Joybee 150 Digital Audio Player to your computer using the USB cable. The icon Joybee DA-150 will appear on the left panel of QMusic and all directories in the player will appear below it.

Adding CD music to the Joybee 150 Digital Audio Player

1. Insert a music CD into the CD-ROM drive of your computer. A few seconds later, the icon **Audio CD** will appear on QMusic left panel, and a list of songs on the CD will appear on the right panel.

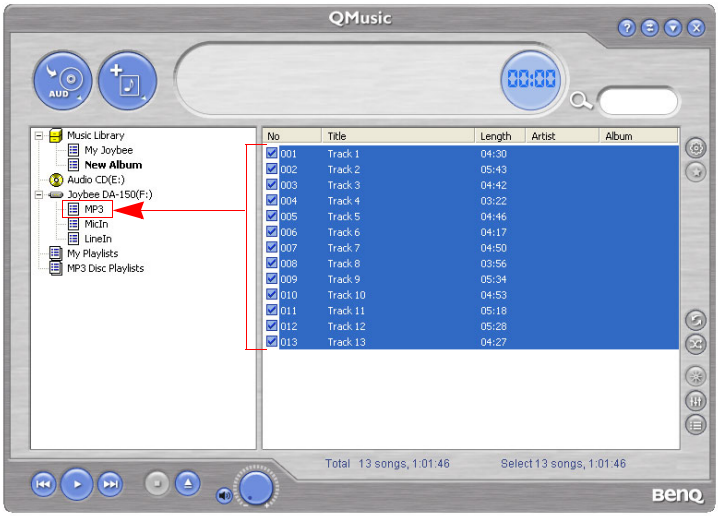
2. Check the checkboxes next to the songs you want to transfer to the palyer. When finished, click the button. QMusic will convert selected songs into MP3 format.

3. When QMusic has done with the conversion process, it will place all converted files in a **New Album** playlist on the left panel. Click on it and you will see a list of converted files on the right panel.

4. Click to select the songs you want to transfer to the Joybee 150 Digital Audio Player on the right panel. Selected files will be highlighted. If you want to select multiple songs, press and hold the **Ctrl** key on the keyboard and click other songs. If you want to select all songs

on the list at once, click the first song on the list, press and hold the **Shift** key on the keyboard and then click to select the last song on the list. If you want to delete a song on the list, click the song and press the **Delete** key on the keyboard.

5. Click and drag the selected songs on the right panel to the **MP3** directory under the Joybee DA-150 icon.

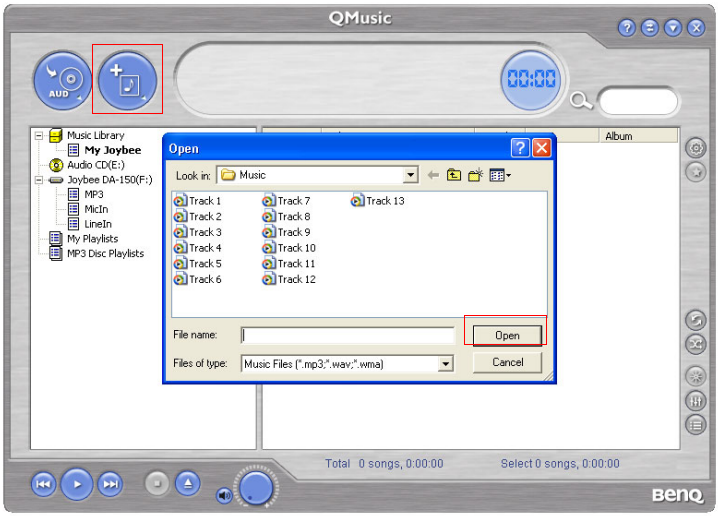


Before dragging the selected songs to the Joybee 150 Digital Audio Player, make sure that there is enough memory space.

Adding new songs to the Joybee 150 Digital Audio Player from your computer

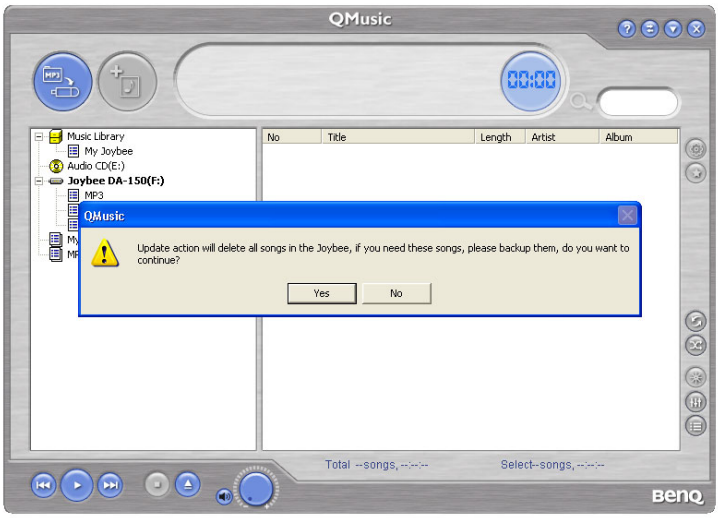
1. Click the **My Joybee** playlist on the left panel.

2. Click the button and then browse for and select the .mp3, .wav or .wma song files you want to transfer to the Joybee 150 Digital Audio Player. Click **Open** and the selected song files will be added to the **My Joybee** playlist.



3. Click the Joybee DA-150 icon on the left panel.

4. Click the button. The songs you just added will be transferred by QMusic to the player. QMusic will ask you whether you want to delete the songs that are already in the player. If you want to keep these songs, please back them up in your computer before continuing.

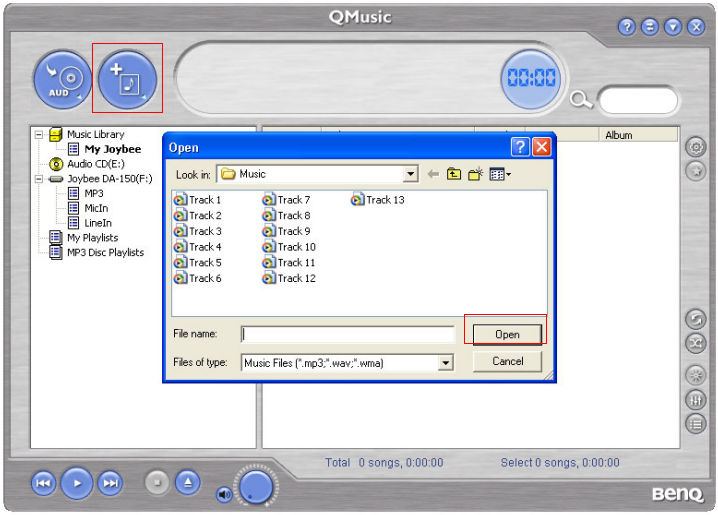


Before dragging the selected songs to the Joybee 150 Digital Audio Player, make sure that there is enough memory space.

Let QMusic automatically update the songs upon getting connected to the Joybee 150 Digital Audio Player

1. Click the **My Joybee** playlist on the left panel.

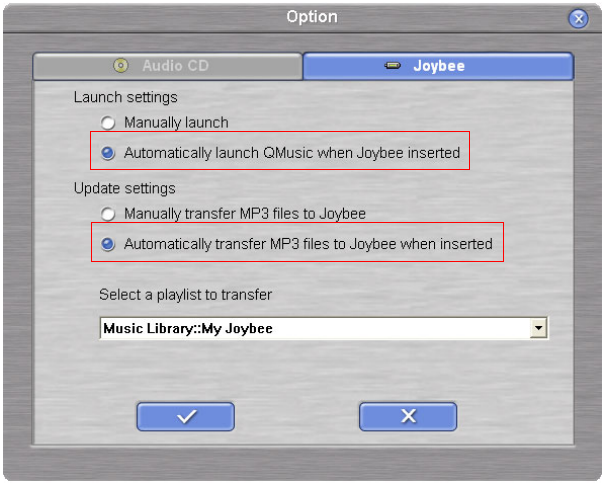
2. Click the button and then browse for and select the .mp3, .wav or .wma song files you want to transfer to the Joybee 150 Digital Audio Player. Click **Open** and the selected song files will be added to the **My Joybee** playlist.



3. Click the button.

4. Click the **Joybee** tab on the dialogue box that appears.

5. On the **Joybee** tab, click to select **Automatically launch QMusic when Joybee inserted** and **Automatically transfer MP3 files to Joybee when inserted**, then click the button.



6. Disconnect the Joybee 150 Digital Audio Player and then reconnect it to the computer. QMusic will automatically update the songs in the player with the songs in the **My Joybee** playlist.

From now on, you only have to place the new songs under the My Joybee playlist on the left panel. Everytime you connect the Joybee 150 Digital Audio Player to your computer, the update action will be carried out automatically.

☞ **Before dragging the selected songs to the Joybee 150 Digital Audio Player, make sure that there is enough memory space.**

6 Notes, FAQ and Troubleshooting Tips

Notes

- Do not put too many files under each directory or in the root directory to prevent the system from slowing down. If a large number of files must be put in the player, organize the files into different directories.
- Do not store data in the player to its full memory capacity. Allow at least 0.5 MB for the system to manage memory to prevent the system from slowing down or improper data storage status.
- When transferring files to the Joybee 150 Digital Audio Player, the message "Don't Remove USB" with "OW" (writing) or "OR" (reading) will flash on the display. Do not remove the USB cable when the transfer is in progress.
- The Joybee 150 Digital Audio Player only plays the files in current directory in the memory. If you need to play the files in other directories, switch to the corresponding directory.
- Restarting the player will reset the root directory as the current folder.
- The maximum number of pages displayed for the lyrics of each song is 256. If the lyrics of the song result in more than 256 pages, the player will not display the 257th pages and on.
- Do not remove the USB cable when updating the firmware of the player. Otherwise, the player may not be able to startup. Remove the USB cable only when you are informed by the message on the display.
- When playing VBR MP3, lyrics, time length repeat, and elapse time may be displayed improperly.
- There are 2 ways to display lyrics for music: (1)Play an MP3 or WMA file with a lyrics file (.lyr) of the same file name; (2) Combine the MP3 file with lyrics file (.lyr) to create an .mpr file with the lyrics editing and conversion tool software.
- This player can play wma files with a bitrate higher than 32kbps.
- Avoid storing over 200 song files in the root directory.
- When formatting the player using the Windows Format command, do not format it using the NTFS file system.

FAQ and Troubleshooting Tips

Why can't I play certain songs in WMA format using my Joybee 150 Digital Audio Player?

☞ Some WMA songs currently available from the Internet are copyright protected. This kind of protection method prevents unauthorized person from playing protected song files. These songs can only be played using a Window Media Player program that has been authorized. If you are already authorized to play these protected songs and want to make them playable on your Joybee 150 Digital Audio Player, follow the steps below:

1. Open Windows Media Player and select **Open** in the **File** menu.
2. Select the songs you want to transfer to the Joybee 150 Digital Audio Player and click **Open**.
3. Connect the Joybee 150 Digital Audio Player to your computer. A new Removable Disk should appear in the **My Computer** window.
4. Select **Copy** in the Windows Media Player **File** menu, and then select **Copy to portable devices**.
5. A file list will appear. Check to select the songs you want to copy to the Joybee 150 Digital Audio Player and then click the **Copy** button located at the upper right corner of the screen.

The music files will be copied and become playable using the Joybee 150 Digital Audio Player.

How many minutes of MP3 music can be stored in the Joybee 150 Digital Audio Player?

☞ It depends on the memory capacity of the player and the compression ratio used in encoding the MP3 files. For MP3 files encoded by MPEG1 Layer3 with a bitrate of 128kbps and sampling frequency of 44kHz (most commonly used), 1MB of memory can store about 1 minute of music. i.e. 128MB/256MB of memory stores about 128/256 minutes of music.

How long is the maximum recording time?

☞ Recording time depends on the encoding method, bitrate, sampling frequency and memory capacity of the player. If high sound quality is not needed for recording of meeting or lecture, lower bitrate and sampling frequency such as MPEG1 Layer3, bitrate: 16kbps, sampling frequency: 16kHz are recommended. To record with high sound quality, use higher bitrate and sampling frequency such as MPEG1 Layer3, bitrate: 224kbps, sampling frequency: 48kHz. The following table shows the recording time for different settings of recording. Please see "Record Setup" on page 14 for how to configure them.

Encoding method	Bitrate	Sampling Frequency	Qccupied memory space	Recording time per MB
MPEG2 Layer3	16kbps	16kHz	120kByte	9 minutes
MPEG2 Layer3	128kbps	44.1kHz	960kByte	1 minute
MPEG2 Layer3	224kbps	48kHz	1640kByte	40 seonds
MPEG2 Layer3	32kbps	32kHz	500kByte	2 minutes
MPEG2 Layer3	96kbps	22.05kHz	720kByte	1.4 minutes

When should I recharge the battery?

☞ When the battery indicator on the display shows that the battery is empty, or battery appears to be weak (there is only one bar in the battery icon) or when the sound quality deteriorates, recharge the battery as soon as possible.

Why do different songs have different sound volumes?

☞ Because the parameter of the volume level when recording each song may not be the same, the volume level of different songs are different.

The file size is smaller than the free memory available in my player, but I still cannot tranfer it to my player

☞ The Joybee 150 Digital Audio Player allocates memory in cluster of 16KB or 32KB. A file of 1 Byte also occupies one cluster, so a file of a size smaller than the free memory available might not be transffered to the player.

Why is the memory capacity shown in the player smaller than that in the specifications chart?

☞ The player needs some memory space to store fonts and other system data, therefore the usable memory is smaller than its full capacity.

How can I get the updated firmware and fonts data?

☞ You can go to BenQ website at http://www.BenQ.com to donwload these data when they are available.

The Joybee 150 Digital Audio Player does not start up!

Check the following:

- Make sure if you have accidentally disconnected the player from the computer when updating firmware.
- Physical damages in the flash memory may result in this problem.
- The battery power is too low.

Solutions:

- Press and hold the VOL- button while moving the power switch to the ON position and keep this status for 5 seconds. Then, connect the player to the computer using the USB cable, open the MP3 Update software and perform firmware upfate.
- When the memory self-diagnosis procedure is carried out when you turn on the player, the message "INT Not Formated" followed by "Format? Yes No" will appear on the display when physical damages are found in the flash memory. If **YES** is selected, the system will start formatting the flash memory. If **No** is selected, the player will be turned off automatically and the problem will still persist.
- Recharge the battery.