

Boom'N Pro V2

**MP3 Player
+
USB Flash Storage Disk**

User's Manual

Version 1.0

Overview and Acknowledgments

Thank you for purchasing *Boom'N Pro V2* MP3 Player + USB Flash Storage Disk. It is a music player which supports MP3 audio file type. It also provides real time voice recording feature. With pre-set equalizer, you can enjoy your most favorite songs with different sound effect. You can use it as a Flash Storage Disk by transferring data and files to computer through USB connection.

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Manual Version 1.0

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Product Features

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

Specification

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

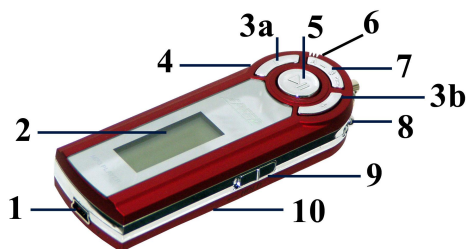
Inside the Package

- One *Boom 'N Pro V2* MP3 Player
- One neck strap earphone
- One Alkaline AAA size battery
- One USB extension cable
- CD-ROM with Application Software and Driver
- User's Manual

Minimum System Requirement

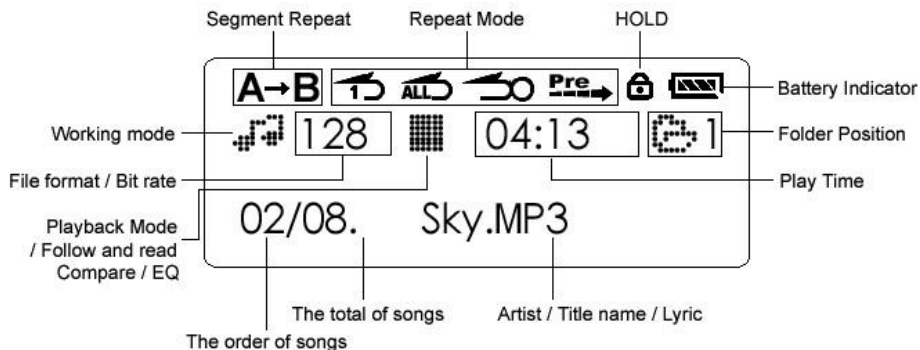
- Windows 98 / 98se, Windows Me, Windows 2000 and Windows XP
- One available USB Port
- CD ROM drive required for driver installation (Windows 98 / 98se only)

Product Illustration



1. USB Connection Jack
2. LCD Display
3. a) Volume Control (-)
b) Volume Control (+)
4. Earphone Jack
5. Power / Play / Stop Button
6. Microphone
7. A-B Button
8. Function Stick
(upward, downward, inward)
9. Hold Switch
10. Battery Box

Graphic LCD



Operation Guide

A. Getting Started

- **Power On / Off and Playback**

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

- **Pause a Track**

During playback, press ▶/|| for pause. Press again to continue playing.

- **Track Reverse / Forward**

Move the function stick upwards or downwards for playing next or back track respectively.

- **Fast Forward / Rewind**

Move and hold the function stick upwards or downwards for rewind or fast forward.

- **Volume Control**

Press + to increase or - to decrease volume.

- **Function Lock**

Follow the arrow to slide the HOLD switch to lock all buttons.

B. Accessing Menu

Function Menu

Press Function Stick inwards once to change the Function Menu. Move Function Stick to select the sub menu and press ▶/|| to select the desire option.

Music → Record → Voice → System Function → Exit

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

1 Music

It plays back MP3 / WMA music files.

1.1 Lyric display

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

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

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

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

1.2 Play function sub-menu

During music is playing, press Function Stick inwards into sub-menu to select Repeat mode , EQ mode, or A-B Replay

1.2.1 Repeat mode

Press Function Stick inwards into repeat mode sub-menu. Normal -> Repeat One -> Repeat All-> Introduce

- ~ NORMAL : playing track in sequent
- ~ ONE : consecutively repeat current playing track
- ~ ALL : consecutively repeat playing all tracks
- ~ Introduce : The first 10 seconds of each track will be played one by one as a title preview

1.2.2 EQ mode

Move Function Stick to select desired effect

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

1.2.3 A-B Replay

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

1.2.3.1 A-B segment repeat mode

Select the A-B replay, press A-B button while playing a track to mark the beginning of section where you want to start (A). Press A-B button again to where you want the section to end (B). It will repeat the marked section (A→B) continuously. To cancel the operation, press Function Stick inwards once.

1.2.3.2 Follow and Read (MP3 files only)

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

It will play again and again, until user move Function Stick forwards to enter a new process; or press Function Stick inwards to exit A-B replay mode and into Music mode.

2 Record

It records voice through internal microphone. Press Function Stick inwards once to change the Function Menu. Move Function Stick to select the sub menu and press ►/|| to select the desire option. **Fine REC → Long REC → Long VOX → Exit**

Press Function Stick inwards to select a record mode. It begins recording voice once the player enter record interface. Record including recording, pause, stop three kinds of states course.

In Long VOX mode - If without effective sound, player will be entered pause state of the recording, show waiting icon. When there is effective sound, record will continue.

Note: The general situation recording file will be saved in the root folder. But if there is recording file exists under a folder, you can select that folder to save recording file.

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

3 Voice

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

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

3.1 Repeat mode

Press Function Stick inwards into repeat mode sub-menu. Normal -> Repeat One -> Repeat All-> Introduce

3.2 A-B Replay

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

4 System Function (Sys function)

Move Function Stick to select desired sub-menu functions. It provides LCD contrast, Auto Off and back light function.

4.1 Lyric

Select lyrics On / Off

4.2 Memory Info

Player will show capacity of memory and percentage of taken up

4.3 Rec Filter

Rec Filter is setup for Long VOX recording, which includes 7 level : Level 0 to Level 6 (Default level is Level 2). Level 0 means filter function off, Level 6 is high level (Be used in background noise very much heavy). Move the Function Stick upwards or downwards to switch over each level, and press the Function Stick inwards to confirm it.

4.4 Back Light

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

4.5 Auto Off

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

4.6 Font Set

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

Chineses GB → Chinese Big5 → English → Exit

4.7 Contrast

Contrast can be adjusted by moving the Function Stick upwards or downwards to switch over each level, and press the Function Stick inwards to exit to upper menu. The level from 00 (Lightest) to 31 (Darkest).

4.8 Delete File

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

Del Music → Del Record → Exit

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

Delete One → Delete All → Exit

Select Delete One - Move the Function Stick upwards or downwards to choose file, and then press ►/|| button to delete. At above states, press Function Stick inwards to cancel delete and exit to Standby mode.

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

5 Key Hold

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

**** Important Notes ****

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

Driver Installation

- **Installation Procedure for Windows 98 / 98se**
 1. Connect *Boom'N Pro V2* to the computer with provided USB cable and power on.
 2. When the system ask for the driver, please insert CD ROM driver and select “BoomN Pro V2\Win98” folder.
 3. After installation procedure, **RESTART** the computer.
 4. After installation, you will see “Removable Disk” icon in “My Computer”.

- **Installation Procedure for Windows Me / 2000 / XP**
 1. Windows Me / 2000 / XP already has driver built-in.
 2. Connect *Boom'N Pro V2* to the computer with provided USB cable and power on.
 3. Computers will automatically detect *Boom'N Pro V2* and install necessary driver.
 4. After installation, you will see “Removable Disk” icon in “My Computer”.

(Note: Connect *Boom'N Pro V2* to the computer to finish installing the built-in driver before installing the utility application, BoomN Pro V2\application\setup.exe file in CD ROM driver.)

Transferring Files

1. Connect *Boom'N Pro V2* to the computer with provided USB cable and power on. You will see “READY” on the LCD Display.
2. Go to “My Computer” and click “Removable Disk” for *Boom'N Pro V2*.
3. Drag and drop files into *Boom'N Pro V2*. “Busy” will show on LCD Display during transferring. Do not remove *Boom'N Pro V2* until data transfer completed.
4. You can also transfer data from *Boom'N Pro V2* to your computer. “Busy” will flash on LCD Display during transferring. Do not remove *Boom'N Pro V2* until data transfer completed.

5. As **Boom'N Pro V2** can work as a USB Flash Storage Disk, you can create folders and store files in any format.

Note :

1. The MP3 player do not support NTFS and FAT32. It only support FAT16
2. **Boom'N Pro V2** only supports playing MP3 and recorded voice files in **ROOT Directory**.
3. When battery level is too low, it will power-off automatically. You have to replace a new battery.
4. The USB Disk can be hot unplugged if no write action is performed to it. However, if data has been moved to the USB Disk, then Eject or Safe removal action is needed to prevent the data loss. Eject can be used to ensure the data integrity. Under Windows, select the disk icon and click the right button of the mouse then select "eject". This will empty the write cache.
5. Each minute of CD audio track converted to MPEG1 Audio layer 3 (MP3 file format)

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

Remark: All data for reference only.