Zartek

NEW GENERATION TECHNOLOGY

ZA502

www.zartek.co.za

USER'S MANUAL

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Please read this booklet and note the warning statements before using the product.

Warning! Improper use of charger might cause the battery to turn hot or explode.

Table of Contents

Introduction

Thank you for choosing our digital MP3 player. You can use this versatile MP3 player not only for playing MP3 and WMA songs, but also recording voice and serving as a USB flash disk.

Features
- Large LCD display with backlight
- Support MP3 (MPEG1/2 Layer2), WMA
- Digital voice recorder
- USB mass storage function for data storage
- 6 EQ settings
- Lithium battery supports long playing time
- No driver installation is required (except Windows® 98/98SE)

Package Contents
- User's manual
- Standard earphones
- USB cable
- Charger
- CD including the driver
- Armband

Overview

Front and Back

On/ Off/ Play/ Pause

MIC

LCD

Earphones Jack

Left and Right

Voice Recording/
A-B Repeat

Volume -

Volume +

Next / Fast Forward

Mode / Menu / Confirm

USB Port

Previous / Fast Backward

4
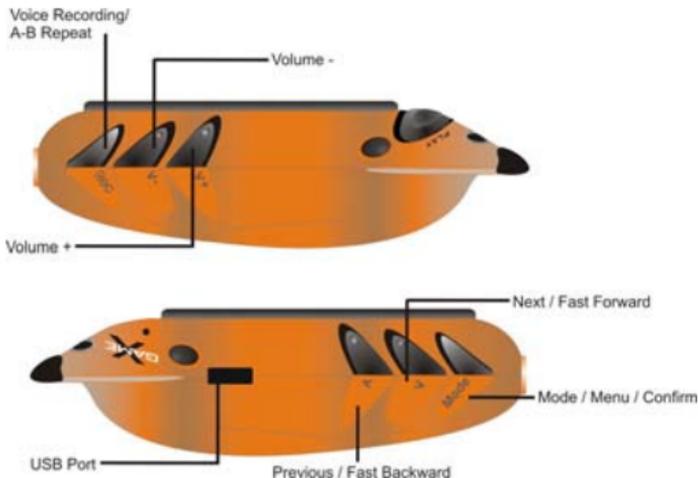
Buttons Operation

|	Operation
EARPHONES JACK	Insert the earphones into the earphones jack
USB PORT	Connect the USB cable to the USB port of the computer for uploading the songs
MIC	Microphone for voice recording
NEXT/ **FAST FORWARD**	● In PLAYING mode, press the button and release it immediately to jump to next song ● Under Menu or Sub-menu page, press the button and release it immediately to jump to next menu items ● In PLAYING mode, press the button and hold it to fast forward
MODE/ **CONFIRM/**	● In STOP/PLAYING mode, press the button to enter the Main Menu page for changing the modes ● Under Menu or Sub-menu page, press the button to confirm to the selection of menu items
PREVIOUS/ **FAST BACKWARD**	● In PLAYING mode, press the button and release it immediately to jump to previous song ● Under Menu or Sub-menu page, press the button and release it immediately to jump to previous menu items ● In PLAYING mode, press the button and hold it to fast backward the song
ON/ **OFF/** **PLAY/** **PAUSE/**	● In IDLE mode, press and hold the button to turn on the player ● In STOP mode, press and hold the button to turn off the player ● In STOP mode, press the button to play the songs ● In PLAYING mode, press the button to pause the playing song
REC **A-B Repeat**	● In STOP mode, press the button to enter VOICE mode, then press the button again to start voice recording ● In PLAYING mode, press the button to set Mark A, then press the button again to set Mark B, the music will be playback from Mark A to Mark B. You can press the button again to disable this function
VOLUME +	Press and hold the button to increase the volume
VOLUME -	Press and hold the button to decrease the volume
DISPLAY	Display the operating status and lyric

Display
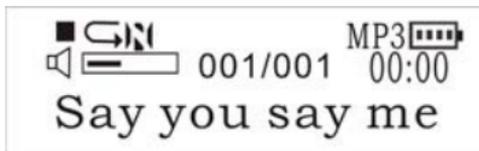
Display Icon	Function
⌒)Ν	**Repeat Mode** Show the current repeat mode used.
▥	**Battery Level** Show the battery level.
MP3	**The Format of the Playing Music** Indicate the format of the playing music, MP3 or WMA.
◁▭	**Volume** Show the volume of the song
Say you say me.wma	**The Name of Playing Song** Show the playing song currently

On-screen-menu Operation

In STOP/PLAYING mode, press the MODE/CONFRIM button to enter the Main Menu page

Main Manu			
Navigation	EQ Set	Normal Rock Jazz Bass Pop Classical Soft	
Music	PlayMode		Normal Repeat All Repeat One Random Random All Preview
Voice	Contrast		
Setting	Backlight		
Record	Backlight Color		
Delete	Powerset	Source Encoder Sample Exit	
About	Recordset		German English French Spanish Dutch Italian Portuguese Greek Exit
Exit	Language		
	Exit		

Power On and Off

Inserting Battery
Insert 1xAAA battery into battery compartment. Align the "+" and "-" sign as indicated on the battery slot.

Power On
Press and hold ON/OFF button to turn on the player. Release ON/OFF button until "Welcome" appears on the display.

Power Off
In STOP mode, press and hold ON/OFF button to turn off the player. Release ON/OFF button until "BYEBYE" appears on the display.

Battery Level
The battery icon 🔋 on the display shows the battery level.

Low Battery
When the battery icon shows in 🔋 , it indicates the battery power is running out. You should replace a new AAA battery.

Entering Main Menu Page

1   Switch the player into STOP mode (No music is playing). The display shows as below.
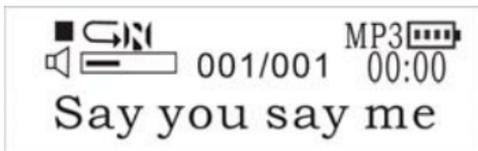
2   Press the MODE/CONFIRM button, then you reach the below Main Menu page. You've entered the Main Menu page.
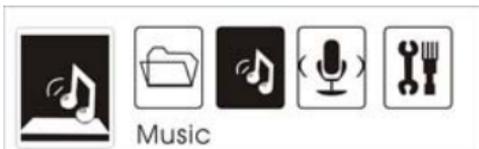
3   Press NEXT button to jump to other menu items in sequence of Navigation, Music, Voice, Setting, Record, Delete, About and Exit.

4 Select your desired menu item and press MODE/CONFIRM button again to enter sub-menu page.

Navigation

1. After entering Main Menu page, select Navigation and press MODE/CONFIRM button to enter Multi-level folder management mode.

2. The display will enter to Root folder. Press NEXT/ PREV button to select your desired folder.

3. Press the MODE button to enter sub-folder.

4. After entering the folder, press NEXT/ PREV button to select your desired song.

5. Press PLAY button to play the songs

6. Press REC button to return to previous folder.

Play Music

1. After entering Main Menu page, select Play Music and press MODE/CONFIRM button to enter Playing Song mode.
   Note: Only .MP3 and .WMA format will be played under Playing Song mode.

2. The display will return to the following screen in STOP mode.

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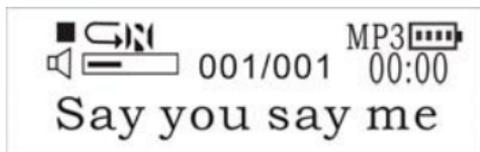
3. Press PREV/ NEXT button to select your desired song.

4. Press PLAY button to start playing selected MP3 or WMA music. If there are no MP3 and WMA files, "No Music Files" will show on the display.

Skip a Song
Press PREV/NEXT button and release it immediately to jump to next or previous song.

Fast Forward and Backward
Press PREV/NEXT button and hold it to fast forward or backward.

*Note: Refer to **Overview** section for detailed buttons operation.*

*FM
* Remark: "FM" is only applicable for the player with built-in FM function

1. After entering Main Menu page, press MODE/ CONFIRM button to select FM Function.

2. Press MODE/CONFIRM button to jump to difference items in sequence of Radio, Scan, Store, DEL and Exit. Press PLAY Button to select the desired item.
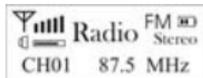
Radio
Press PREV/NEXT button to select stored channels.

Scan
Press PREV/NEXT button to scan the channel that you desire, or press PLAY button to scan the channel automatically.
Note: Only scan the channels except the stored channels in Radio Mode.

  Store
  Press PLAY button to store the channel that you selected in Scan Mode, then "YES" appears on the display.
  Note: only 30 channels can be stored in the player at most.

  DEL
  Press PLAY button to erase the stored channel that you selected.

Exit
Press play button to return the FM mode.

Notes: FM Recording
Start to record the program of current FM channel by pressing Rec/ Hold button during the Radio mode.

Play Voice

1. After entering Main Menu page, select Play Voice and press MODE/CONFIRM button to enter Playing Recorded Voice mode.

2. The display will return to the following screen in STOP mode.
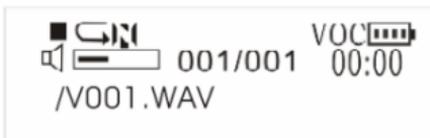
3. Press PREV/ NEXT button to select your desired voice.

4. Press PLAY button to start playing selected audio files. If there is no recorded audio file, "No VOC File" will show on the display.

Skip a Voice
Press PREV/NEXT button and release it immediately to jump to next or previous recorded voice.

Fast Forward and Backward
Press PREV/NEXT button and hold it to fast forward or backward.

*Note: Refer to **Overview** section for detailed buttons operation.*

Setting

1. After entering Main Menu page, press PREV/NEXT to select Setting Function.

2. Press MODE/CONFIRM button to enter Sys Function menu page.

```
EQ Set
PlayMode
Contrast
Backlight
Backlight Color
Powerset
Recordset
Language
Exit
```
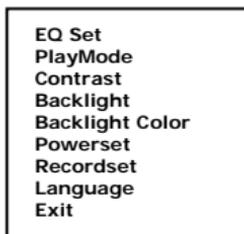
EQ Set

1. In Setting menu, press MODE/CONFIRM button to select EQ Set to enter the EQ mode. Seven EQ modes are available: Normal, Rock, Jazz, Bass, Pop, Classical and Soft.
2. Press PREV/NEXT button to change the desired EQ mode and press MODE/CONFIRM button to confirm the EQ mode.
3. The setting of EQ mode is able to apply in Playing Song and Playing Recorded Voice mode.

   The setting of *Repeat* mode is able to apply in *Playing Song* and *Playing Recorded Voice* mode.

PlayMode

In PlayMode Menu, press PREV/NEXT button to select the desired Repeat mode. Seven Repeat Modes are available: Normal, Repeat One, Repeat All, Random, Random All, Preview.

Normal
All music will be played one by one and stopped at the last music until you disable this function.

Repeat One

The playing music will be re-played until you disable this function.

Repeat All

All music will be played from the beginning to the last one and then repeated again and again until you disable this function.

Random

All music in the player will be randomly played until all music are finished playing.

Random All

All music in the player will be randomly playback until you disable this function.

Preview

All music from the current one to the last one will play for 10 seconds one by one until you disable this function.

The setting of *Repeat* mode is able to apply in *Playing Song* and *Playing Recorded Voice* mode.

Contrast

1. After entering Setting menu, select Contrast by press PREV/NEXT to increase or decrease the contrast of the display.

```
┌─────────────────────────────────────┐
│                                      │
│  ███████6           LEVEL            │
│                                      │
└─────────────────────────────────────┘
```

2. Press MODE/CONFIRM button to confirm the desired contrast rate.

Backlight

1. After entering Setting menu, select Backlight by press PREV/NEXT button to set the backlight duration. The backlight duration can be set in the range of 0 to 45 seconds.

```
┌─────────────────────────────────────┐
│                                      │
│  ███████30        SEC                │
│                                      │
└─────────────────────────────────────┘
```
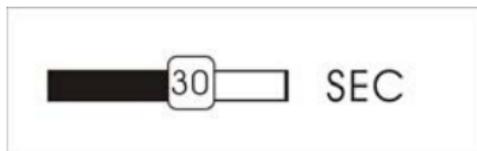
2. Press MODE/CONFIRM button to confirm the desired backlight duration.

Backlight Color
After entering Setting menu, select Backlight Color. The backlight color can be set in seven colors.

You can press PREV/NEXT button to select your desired color, or select Auto that the backlight color will be changed in sequence once any button is pressed.

Powerset
In order to save power, it can be allowed to set an off time.

After entering Setting menu, select Power Save by pressing MODE/CONFIRM button to enter this menu. The Off Time can be set in the sequence of DISABLE, 2MINS, 10MINS, 30MINS.

You may set "DISABLE" to disable this function.

Recordset

After entering Setting menu, select Recordset by pressing MODE/CONFIRM button to enter this menu.

Press the PREVIOUS/NEXT button to select items including Source, Encoder, Sample and Exit.

Source
Only MIC mode is available in Source.

Encoder
Press MODE/CONFIRM button to select the different Encoder including IMADPCM, MSADPCM and ADPCM.

Sample

Press MODE/CONFIRM button to select the different data including 8000Hz, 11025Hz, 16000Hz, 22050Hz, 32000Hz, 44100Hz and 48000Hz.

Exit

Press MODE/CONFIRM button to select this item to get back to the Setting Menu.

Language

After entering Sys Function menu page, press PREVIOUS/NEXT to select Language Function. Languages are available as below.

```
German
English
French
Spanish
Dutch
Italian
Portuguese
Greek
Exit
```

Exit

Press this Exit item to get back to the Setting mode.

Record

1. After entering Main Menu page, select Record and press MODE/CONFIRM button to enter Recording Voice mode.

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2.   The following display will be shown once you've entered Record Voice mode
      and start record


```
●        07:48:59      ▥
         00:00:47      REC
/V001.WAV
```

3.   Put the sound source near the built-in microphone. You are allowed to press
      PAUSE/PLAY button to pause or continue the recording.

When you finished the recording, press MODE/CONFRIM button and get back to
the STOP mode. The recorded audio files will be automatically saved under Root
Directory as default. You can check the recorded audio files by pressing
PREV/NEXT button.

Delete

1. After entering Main Menu page, select "Delete" and press MODE/CONFIRM
   button to enter Delete function.
   Note: This function is able to delete Voice file only.

2.   The following display will be shown once you've entered Delete function and
      select Voice by pressing MODE/CONFIRM button.
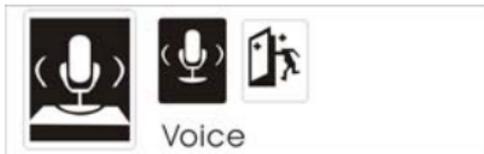
Voice

3,   Press PREVIOUS/ NEXT button to select the Voice files that you want to
      delete.

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4, Press Volume + /Volume – to select "Yes" or "No". If you selected "Yes", "file deleted" will show on the display. You can press REC/HOLD button to get back to the Sub-menu.

About
After entering Setting menu page, select About item by pressing MODE/CONFIRM button. The MEM Info and the version of the firmware will be shown on the display for reference.

Exit
Press this Exit item to get back to the STOP Mode.

Driver

System Requirements
- PC with Pentium class or faster processor
- 64MB RAM
- USB port
- CD-ROM drive for software installation
- 30MB free hard disk space
- Windows® 98SE

Windows® 98 and MAC OS
Windows® 98 (first edition) and MAC-OS are not supported.

Windows® 98SE
If the player is running on Windows® 98SE, please install the driver by going through the following instruction in details before using the player. The driver must be installed on your computer to make your player work properly with your computer. Please skip the following instructions for driver installation.

Step 1. Before you install the driver, please don't connect the player to the computer
Step 2. Insert the CD into your computer, click Setup.exe and the installation will start.
Step 3. Follow the on-screen instructions to complete the driver installation and restart your computer.
Step 4. Connect the player to your computer and a *Removable Disk* will appear for drag-and-drop of the music files
Note: For Windows®Me/XP platform, it is unnecessary for installing driver before using.

Editing Lyrics

An instruction for teaching you edits the lyrics synchronous with the songs.

Step 1: Click Start button, go to Programs > Accessories > Notepad to open a new text document.
Step 2: Write the lyrics as the following format. The corresponding time to lyrics should be typed in [ ] bracket format.
Step 3: Then save the text file in extension of **.LRC** file.


```
Aqua  Barbie girl.lrc - Notepad
File  Edit  Format  Help
[00:04.71]– Hi Barbie!
[00:05.29]– Hi Ken!
[00:06.35]– You wanna go for a ride?
[00:07.67]– Sure, Ken!
[00:08.69]– Jump in!
[00:10.64]I'm a Barbie girl in the Barbie world
[00:14.58]Life in plastic, it's fantastic
[00:17.46]You can brush my hair, undress me everywhere
[00:21.65]Imagination, life is your creation
[00:24.76]Come on, Barbie, let's go party
[00:26.69]I'm a Barbie girl in the Barbie world
[00:30.83]Life in plastic, it's fantastic
[00:34.00]You can brush my hair, undress me everywhere
[00:37.95]Imagination, life is your creation
[00:43.13]I'm a blonde single girl in the fantasy world
[00:46.18]Dress me up, take your time, I'm your dollie
[00:50.11]You're my doll, rock and roll, feel the glamour and pain
[00:53.61]Kiss me here, touch me there, hanky-panky
[00:57.26]You can touch, you can play
[01:00.72]You can say I'm always yours, oooh whoa
[01:02.87]I'm a Barbie girl in the Barbie world
[01:09.39]Life in plastic, it's fantastic
[01:12.55]You can brush my hair, undress me everywhere
[01:16.44]Imagination, life is your creation
[01:20.40]Come on, Barbie, let's go party, ha ha ha, yeah
```

Step 4: Copy the lyrics file (.LRC) and its song into the player under the same directory. You will see the lyrics scrolling on the display.

*Note: The function of scrolling lyrics should be enabled, please refer to **Lyric** section for details.*


```
Removable Disk (J:)
File  Edit  View  Favorites  T »
Back  →  ⇨  ▾  🖿  Search  »
Address  Removable Disk (J:)  ▾  Go
Name
My Documents
My Songs
Aqua  Barbie girl.lrc
Aqua  Barbie girl.mp3
4  2.60 MB          My Computer
```

Downloading MP3 and WMA songs

Note: The screens shown below applies to Windows® XP, other version of Windows® may display slightly different screens.

Step 1: Ensure your player is on.
Step 2: Tightly plug the USB cable to the USB ports of your computer and player.
Step 3: Once the plugging is done properly, the following screen will display. If this screen doesn't show, please re-plug the USB cable again.
*Note: Please ignore the following screen if you are not using Windows® XP.*
Step 4: Choose **Open folder to view files**.

Step 6:Drag and drop .MP3 and .WMA music file into **Removable Disk**.

Note: You are allowed to create any directories and files in Removable Disk.

The file in extension of .LRC is the lyric file that stores the lyrics synchronous with its song. Please refer to *Editing Lyrics* section for details.
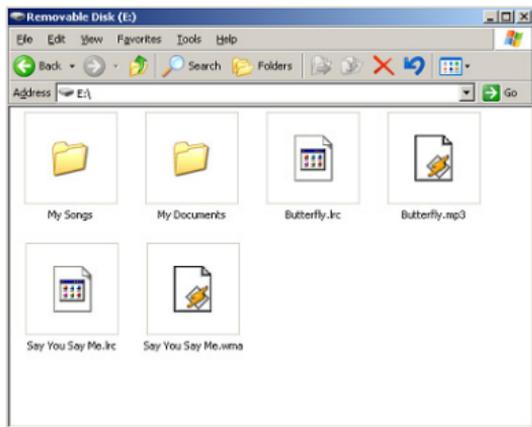
Disconnecting the USB Cable

Before you disconnect the USB cable from your player or computer, please note the following procedures should be done for safety removal.

Note: Please ignore these procedures if you are using Windows®98/98SE.
Note: "Busy…" will appear during downloading or uploading the files, please don't disconnect the USB cable or turn off the player at this moment. If "Busy…" disappears on the display, you are allowed to disconnect the cable.

Step 1: Double click the **Removable Disk**, which's at the right-bottom corner of your desktop.
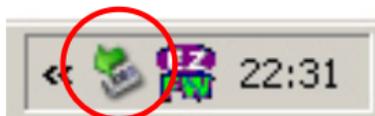
Step 2: The following window will appear. Click Stop button.

Step 3: Another window will pop up. Select "GENERIC USB DISK DEVICE USB Device" and click OK button to confirm.

Step 4: Click Close button to exit the window. You are allowed to disconnect the USB cable from the USB port of your computer.

Formatting the Internal Memory

Note: This formatting procedure will cause all files in the player lost.

Using the Formatting in Windows®

1. Click **My Computer** on your desktop.

2. And you will see a **Removable Disk,** right click on **Removable Disk** and click **Format** on the menu.

3. After you clicked **Format**, you will see the following screen and click Start button to start formatting.
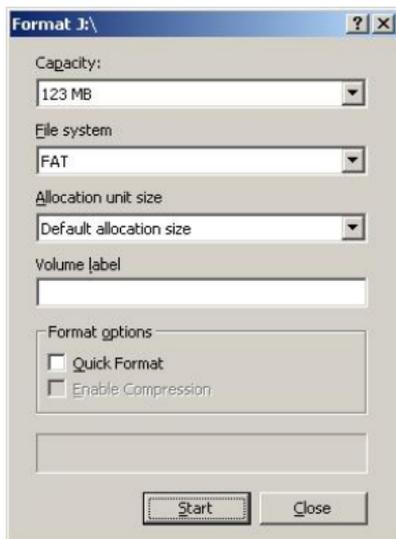
Trouble Shooting

Symptom	Reasons	Solution
Press the POWER button, the display does not turn on	The battery run out	Charge battery
After plugging the player into the USB port of your computer, **Removable Disk** Drive cannot be found in **My Computer**	It runs in the default MTP Player status	Change the MTP Player mode into USB Storage Mode accordingly
	The software utilities of the player (included in CD) conflicts with other software drivers which were installed on your computer	● Uninstall the software utilities of the player ● Restart your computer ● Re-install the software utilities again
	Your motherboard doesn't support the USB connection	Contact the manufacturer of your motherboard to upgrade the motherboard driver
The music file on the player cannot be deleted	The attribute of the music file sets as *Read Only*	Change the attribute of the music file
The playing time displays in disorder when playing a mp3 music	A mp3 music file is currently compressed in VBR format, which can vary the compression speed of a mp3 music. When the mp3 music is playing, the variable speed will cause the playing time displays in disorder	Compress the mp3 music in fix compression speed rather than variable compression speed
When the player is connected or disconnect to/from your computer, there is an unusual error on the computer	It's due to the sudden disconnection of USB port during transferring the files	It is recommended the user should not suddenly unplug the player from the USB port of computer when the files are being transferred or the internal memory is being formatted.
My player can't play the mp3 music files	Most of mp3 music files in the market are compressed in MPEG1, MPEG2, LAYER3 standard. In earlier days, some mp3 music are compressed in MPEG1 LAYER1 and MPEG1 LAYER2. Please note our player doesn't support MPEG1 LAYER1, MPEG1 LAYER2 or an mp3 compressed in more than one compression standards.	If the mp3 player can't play the mp3 music file, skip to the next song until the mp3 music files are not compressed in MPEG1 LAYER1 /MPEG1 LAYER2. Delete those files which can't be played in the player Change the compression standard of a mp3 music file in MPEG1 LAYER3
If the music file can't be played normally or you hear a long beep sound	The player doesn't support such compression standard of the playing music file	The player just can support MPEG1 MPEG2 LAYER3 and WMA music files

	Out of the range of compression speed	• The range of MP3 compression speed: 32Kbps~384Kbps • The range of WMA compression speed: 64Kbps~128Kbps
	Tips: If you don't know the compression standard and speed of the music file, you should use those common music players (i.e. Winamp) to check the music information.	
The computer can't detect the USB cable	No driver was installed on Windows® 98/98SE	Install driver
	Unsafely remove the USB cable	Format the internal memory

Technical Specifications

Capacity	1GB Flash Memory
Display	LCD Display with icon status
Interface	USB 2.0 full speed
Power	1 x Lithium battery
File type	.MP3 (32kbps – 384kbps), .WMA (64kbps – 128kbps) for music at Constant Bit Rate .WAV for recorded audio files
S/N ratio	90dB
Earphones output power	9mWx, 32ohm
Operating System	Windows® 98SE/Me/2000/XP MAC OS and Windows® 98 (first edition) are not supported.
Dimensions	36.2mm(W) x 77.5mm(H) x 23mm(D)
Weight	23.5g