PORTABLE/PERSONAL MEDIA PLAYER

PMP400

User Manual

(Ver 2.3)

Distributed World-Wide exclusively by Portable Electronics Ltd
http://www.hdmp4.com
http://www.portable.geek.nz

Dear Customer,

Thank you for your purchase on this versatile All-In-One portable media player, PMP400. We hope you will find this player useful and enjoy the convenience it brings to your life. The better you know how to use it, the more enjoyment you will get from it. Remember, with the PMP400 you can…

• Play literally any video files directly without conversion - AVI(DivX, Xvid)、VOB(DVD)、DAT(VCD)、MPG、MPEG on the built-in 4.3" LCD screen, television, video projector, etc

• Record video from television, DVD player, VCR or other video devices in mpeg4 format

• Listen to MP3, WMA, or OGG music files

• View JPEG digital photos as well as in slide shows

• Store your computer data – it's a portable hard drive too!

• and many other features detailed inside this manual.

Please read this manual carefully to discover and maximize the benefit of owning and using this PMP before operating and keep it for future reference. It will also be helpful if you encounter any problems.

About Portable Electronics Ltd,

Portable Electronics Limited is **100% New Zealand owned and operated**. In 2006, we became aware of the immerse market demand for MP3/MP4/PMP players in New Zealand and the apparent lack of suitable supply. The quest to obtain one for ourselves for personal use from overseas eventuated the formation of Portable Electronics Ltd to **supply** these **hard to get gadgets**. In other words, we exist only to provide end-users with their long sought after dream gadgets and to improve their way of life.

We do not have retail shops or showrooms but have local representatives in both New Zealand and Australia to serve your needs. We are an online based distribution company providing multi-purpose high quality portable gadgets at low price to electronic and computer shops. We are extremely picky and we employ very rigorous selection process when sourcing new products. We do not like cheap low quality products. Hence, we only sell the best and only the very best products at some of the lowest price you can find in the market. We test all our products comprehensively, pro-actively identify potential problems (as well as from customer feedback) and negotiate fixes constantly with our supplier.

Today, we sell our products world-wide with focus on New Zealand and Australia. We strive to provide **the best products at the lowest prices** and we offer **excellent after-sales customer service**. We are proud to say that customers who purchased from us are 100% satisified with our friendly service and are very happy to return for future purchase. We have put **honesty as our priority** when we communicate with customers and are highly transparent in our communications (e.g. our public forum feedback/discussion system). Forget other online shops/stores, especially Ebay stores that provide non-existent after-sales support or require expensive overseas delivery in order to have your product fixed/repaired. We have a repair and distribution centre in both New Zealand and Australia. In addition, we pledge to attend and respond to all your enquiries promptly regardless of warranty status and will always discuss the best options for available to you.

Portable Electronics Limited is a registered company in New Zealand. Our New Zealand company number is 1805301 and our incorporation certificate can be viewed here. We are also a GST registered company. Our New Zealand GST registration number is 93-820-061. We are registered in Australia as well and our ABN number is 31997329955.

Contents

1 Safety and storage guide

- Vibration, moisture, electro-magnetism, extreme low/high temperature and direct sunlight exposure to the player and the remote controller must be avoided to prevent damage.
- Prolonged use of the device may cause permanent hearing loss and/or eye problems. To protect your sight and hearing, please keep the volume low and do not use it continuously for extended hours.
- Do not attempt to take apart, open, service, or modify the product or power supply. Doing so could present the risk of electric shock or other hazard. Any evidence of any attempt to open and/or modify the device, including any peeling, puncturing, or removal of any of the labels, will void the Limited Warranty.
- Clean only with soft dry cloth while the player is turned off.
- Do not charge the battery for extended hours to prevent potential fire hazard.

2 Charging the battery

- Fully charge the battery (5 – 6 hours) before using it for the first time.
- Use ONLY the designated charger for the PMP400. You can charge the internal battery of PMP400 by plugging the included charger into the device or using a standard USB port.
- Using Non-designated charger may damage the PMP400
- The red CHARGE indicator lights up to indicate that the external adapter is connected, the battery will charge automatically when the AC adaptor is plugged in, the light will disappear once the battery is fully charged.
- Disconnect the charger when fully charged.

3 Turning on/off the PMP400

1. Hold the POWER ⏻ button for 5 seconds till you see the word PMP appears. After that, you will see a splash screen that says "ALL-IN-ONE" and then the PMP is ready to use.
2. If the unit shuts off automatically after holding the POWER ⏻ button for several seconds, the unit is out of power. Please plug in the charger to charge the battery.
3. There is a build-in screen saver function to save battery power. If the PMP400 is not being used, the screen will shut off automatically in order to save battery life.
4. To turn off the unit, press and hold the POWER ⏻ button for 5 seconds till the PMP says "Power off, please wait…"

4 Hardware Reset

In the unfortunate event that the PMP400 freezes or hangs and does not respond, you can force the unit to shut down by inserting a needle to press the RESET hole at the bottom.

5   Files/data

It is STRONGLY ADVISED that you keep a neat and orderly file structure. Otherwise, you will spend a lot of time searching for files, i.e. wasting battery life while not listening or watching them. When browsing the files/folders in the PMP, by default, the newest file/folder will be found at the end of the list. This is because the files/folders are arranged by the time they are copied to the PMP hard disk. You can also configure the PMP to arrange files/folders by alphabetical order by doing the following, go to Setup -> Other setting -> Rank file -> select Rank file by letter order (only available in firmware ver.4 or higher). Please note that the PMP400 automatically creates these folders which are designated to the respective type of files: Audio, Photo, System, Text, Update and Video.

To avoid loss of important data/information due to hard disk failure, accidental damage, lost of the unit, etc, it is RECOMMENDED that you keep at least one **BACKUP** of all files loaded onto this player. Portable Electronics is not responsible for any loss of information and will not provide any data recovery service. In addition, we also recommend that you always use the "Safely Remove Hardware" function in the operating system before removing or disconnecting the USB cable from your computer as this will reduce the likelihood of data corruption.

Avoid dropping or subjecting excessive shock to the device because this may result in permanent hard disk damage, i.e. file corruption, especially when the unit is running.

6   Optional Accessories

The following optional accessories are available for purchase separately from us. Please visit our web site for information (e.g. price) and use our online store or contact us if you would like to purchase them.

PMP400 battery
OTG FM transmitter
PMP400 Leather pouch
4.3" LCD protector
PMP400 car charger
PMP400 wall charger
International Travel adapter

7 Standard Accessories

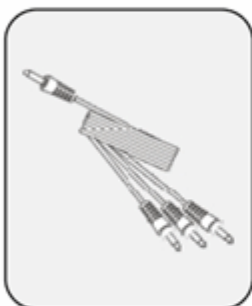After unpacking, please check that all the standard accessories listed below are included.
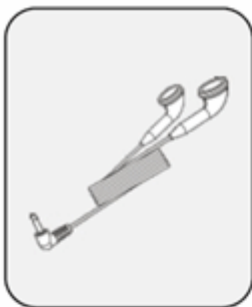
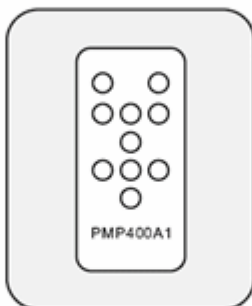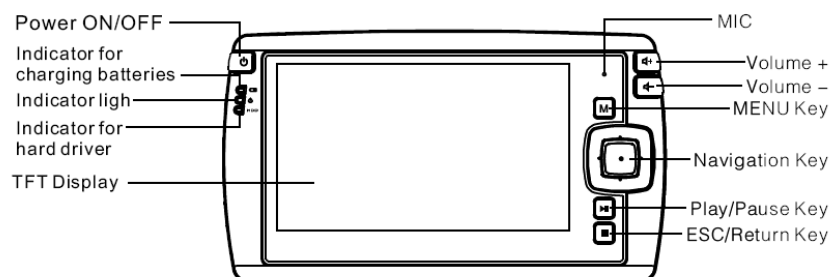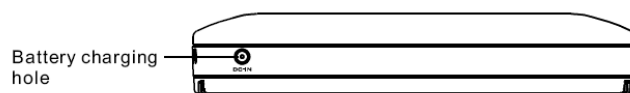|		
Ear phone	Charger	USB cable
AV cable	Remote controller	User Manual
Service Certificate	USB connecter	Pocket
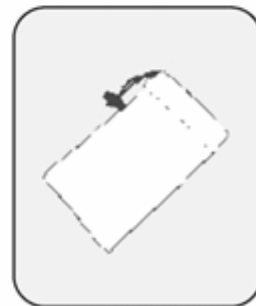
Note: User Manual (available online from http://www.hdmp4.com) and Service Certificate may not be included in the package.
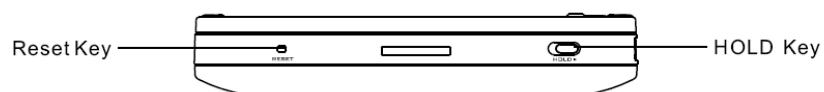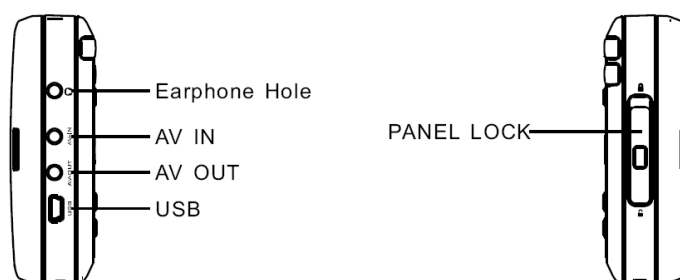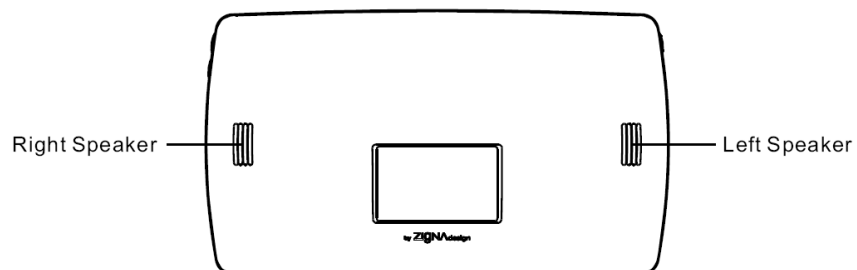
8 Device schematics

● Front panel

Power ON/OFF
Indicator for charging batteries
Indicator ligh
Indicator for hard driver
TFT Display

MIC
Volume +
Volume −
MENU Key
Navigation Key
Play/Pause Key
ESC/Return Key

● Top

Battery charging hole

● Bottom

Reset Key

HOLD Key

● Profile

Earphone Hole
AV IN
AV OUT
USB

PANEL LOCK

● Back panel

Right Speaker

Left Speaker

9 Features

Music Player

mp3, wma, ogg

Video Player

Supports **All Format** and subtitle

MPEG1/2/4, DIVX3/4/5/6, XVID, VOB, AVI, DAT

Multiple Language

English, Chinese, Portuguese, Spanish, French, German, Italian

High capacity USB 2.0 Hard disk

High speed removable mass storage device

Replaceable 2.5" hard disk

Photo Album

view photos (*.jpg, *.bmp) in slide show while listening to music

Sound Recorder

via build-in mic into mp3

Upgradable firmware

for new features

Lyrics

View lyrics while listening to music

Long battery life

Up to 8h music playback

Up to 4h video playback
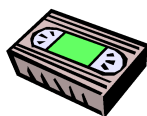
Digital Video Recorder

Manual/Scheduled recording from TV, DVD, VCR, Camera into DVD quality MPEG4 video via AV connector (NTSC/PAL)

TV OUT (NTSC/PAL)

Enjoy DVD quality Video on TV with Remote controller

USB OTG

transfer photos and other files directly from camera or other devices

Replaceable Battery

3100mAh Lithium-ion battery

4.3" 16:9 WideScreen LCD

480x272 pixel, 16.7 million colours

E-book

read text documents
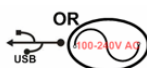
Dual Powered

Re-charge using wall charger or USB port

Loud speaker

Build-in stereo speaker

3 month player warranty

(extended warranty option available)

3 year Hard Disk warranty

10 Technical Specifications

Type	Dimensions	141mm x 82mm x 25mm
General	Display	1. 4.3" 16:9 LCD, 480x272 pixel, 16.7 million colours 2. TV (NTSC/PAL) via RCA TV cable
	Internal cache	32Mbit flash, 128Mbit SDRAM
	Weight	300g
	OS	Linux
	Language	English, Chinese, Portuguese, Spanish, French, German, Italian
	I/O	1. USB 2.0 High Speed 2. USB host(OTG)
	Sound output	1. Build-in stereo speaker 2. 3.5 mm stereo earphone outlet
	Hard disk	2.5" PATA (IDE)
	Power supply	1. Wall charger - Input:100-240VAC 50/60HZ 0.5A; Output: DC 5V 2.4A 2. USB charging - 5V 500mA 3. 3100mAh removable lithium battery, 4 hour charging.
	Playback time*	Video: 4 hour Music: 8 hour(LCD off, 128kbps MP3)
	Remote Controller	range: 8m
	Operating temperature	0-50℃
Video	Supported format	MPEG1/2/4, DIVX3/4/5/6, XVID, VOB, AVI, DAT
	FRAME	30 frame/second
	Bitrate	8Mbps (720x480, 30 frame/s)
	Subtitle	support SMI, SRT subtitle
Music	Supported format	MP3, WMA, OGG, AC3
	Frequency Response	20Hz-20KHz
	Signal-to-noise ratio	>90dB
	Balance/ Equalizer	1, 2, 3, 4, 5
	Lyric display	*.lrc
Photo browsing	file format	JPEG, BMP
Sound Recording	file format	MP3
	maximum recording time	unlimited, limited by hard disk capacity
	bitrate	64Kbps
Video Recording	file format	Video:MPEG4 (divx); Sound:MP3
	maximum recording time	unlimited, limited by hard disk capacity
	resolution	720x576 pixels, 25fps
	Input	via RCA TV cable (NTSC/PAL)
Operating environment	Computer Spec	CPU: 200Mhz and above
	Operating System	Windows 98SE/ME/2000(SP3 or higher)/XP/Vista Linux/Mac OS

*Battery life depends heavily on the exact brand and model of hard disk used as well as how the PMP player is operated.

11 Video

11.1 PLAYING VIDEO FILES

Scroll to the VIDEO icon in the main menu using the navigation key ⊡ (UP/DOWN/LEFT/RIGHT) and enter by pressing on the navigation key ⊡ or Play ►. Then, using the navigation key ⊡, locate and highlight the desired video file, begin video playback by pressing on the navigation key ⊡ or Play ►.

11.1.1 Video control

- **File Control/Navigation**

<p align="center">Scroll up
UP
Page up Left ⊡ Right Page down
Down
Scroll down</p>

- Press on navigation key ⊡ or Play ► button to play or pause the video
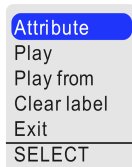
- **During video playback**

<p align="center">Video resize smaller
UP
Video Rewind (1x, 2x, 4x, 8x, 16x) Left ⊡ Right Video Forward (1x, 2x, 4x, 8x, 16x)
Down
Video resize larger</p>

- Increase or decrease the VOLUME by pressing ◁+/◁–

- Press STOP ■ button to stop video and exit
  - ◆ Note: from firmware ver. 6 onwards, exit will automatically set bookmark upon exit, this allows video to resume from the position you exit the video
    - ● to resume, when browsing video, press M (menu) -> play from

11.1.2 Menu

While browsing through the files, press Ⓜ and you will see this

Attribute
Play
Play from
Clear label
Exit
SELECT Use the ⊡ navigation key to select the function you require.

Attribute: to display file information
Play: play the video
Play from: re-start the video playback from the labeled location
Clear label: delete the last label

During video playback, press Ⓜ and you will see this

Set label
Time play
Zoom ›
Setting ›
Exit
SELECT Use the ⊡ navigation key to select the function you require.

Set label: insert a time stamp label at this location
Time play: choose this function, and select the time you want to start playing the video from.

<u>Increase time by 5 minutes steps</u>
UP
<u>Decrease time by 30s</u> **Left** ⊡ **Right** <u>Increase time by 30s</u>
Down
<u>Decrease time by 5 minutes steps</u>

Zoom: Press Right on navigation key ⊡ and choose 4:3/16:9/Zoom
Setting: enter to adjust Screen brightness, contrast, saturation, subtitle, Language
- Brightness: increase or decrease LCD brightness using LEFT/RIGHT ⊡ navigation key
- Contrast: increase or decrease LCD contrast using LEFT/RIGHT ⊡ navigation key
- Saturation: increase or decrease LCD colour saturation using LEFT/RIGHT ⊡ navigation key (0 = black and white screen)
- Subtitle: enable/disable video subtitle (*.SMI, *.SRT) or locate subtitle file
- Language: change language of PMP400 menu

12 Music

12.1 PLAYING MUSIC FILES

When you click on the MUSIC icon in the main screen, you will enter into the music library where you can browse your music collection using the navigation key ⊙ (UP/DOWN/LEFT/RIGHT).

12.1.1 Music control

- **File Control/Navigation**

<div align="center">

Scroll up

UP

Page up **Left** ⊙ **Right** Page down

Down

Scroll down

</div>

- Press on navigation key ⊙ or Play ► button to play or pause the music

- **During music playback**

<div align="center">

Scroll to the music file above

UP

Fast rewind 30s **Left** ⊙ **Right** Fast forward 30s

Down

Scroll to the music file below

</div>

- Increase or decrease the VOLUME by pressing ◁+/◁−
- Press Stop ■ button to stop music and press Stop ■ again to exit
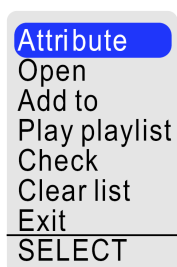
12.1.2 ID3/Lyric display
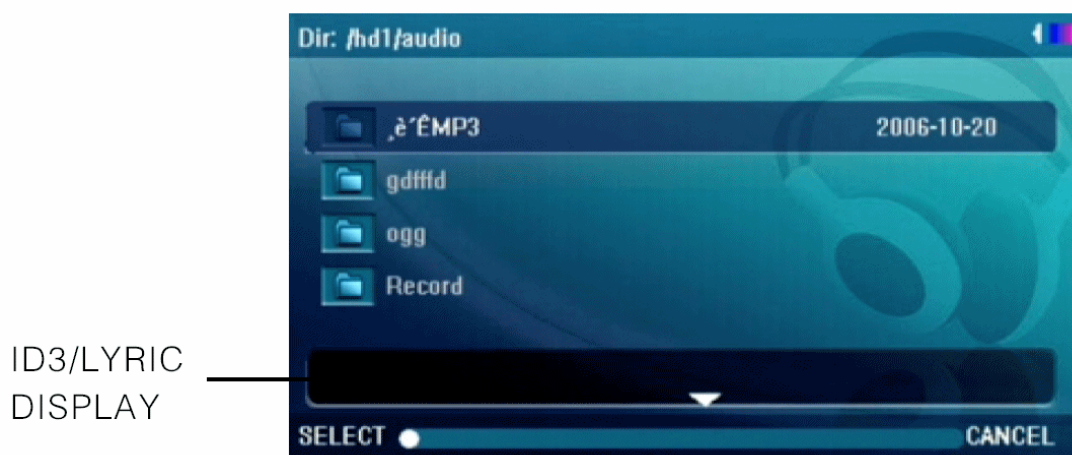
During music playback, the ID3 information (such as name of artist, album, etc) will be shown at the bottom of the screen as indicated above.

If lyric (*lrc) is available, it will be displayed on the screen as well.

Note: the lyric file must have the same file name as the music file

12.1.3 Menu

To open up the menu, press Ⓜ and you will see this

Use the ⊡ navigation key to select the function you require.

Attribute: to display file information

Open: Play the file

Add to: add music to the playlist

Play playlist: play the files on the playlist

Check: to display the playlist

Clear list: delete all the files in the play list

During music playback, press Function key Ⓜ and you will see this
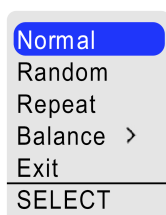
Use the ⊡ navigation key to select the function you require.

Normal: normal playback

Random: random music playback

Repeat: repeat the current music

Balance/Equalizer: press right on the navigation key ⊙ to open and select 5 different sound modes (1/2/3/4/5)

During playlist music playback, press Ⓜ and you will see this

Play
Remove
Exit
SELECT

Play: play the music
Remove: remove the music from the playlist

13 PHOTO

13.1 Viewing Photos

The PMP400 supports the viewing of JPEG (.jpg) and Bitmap (.bmp) image files.

When you click on the Picture icon in the main screen, you will enter into the Photo library where you can browse your photo collection using the navigation key ⊙ (UP/DOWN/LEFT/RIGHT).

13.1.1 Photo Control

- **File Control/Navigation**

<p align="center">Scroll up
UP
Page up Left ⊡ Right Page down
Down
Scroll down</p>

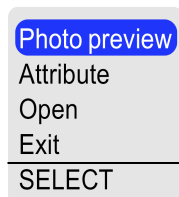- Press on navigation key ⊡ or Play ► button to look at the photo

- **During Photo viewing**

<p align="center">Rotate 90º clockwise
UP
Scroll to the previous photo Left ⊡ Right Scroll to the next photo
Down
Rotate 90º anti-clockwise</p>

- Press Stop ■ button to exit

While browsing through the files, press Ⓜ and you will see this

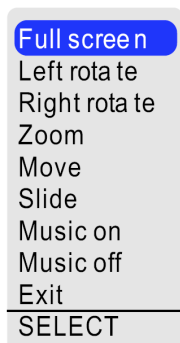| Photo preview |
| Attribute |
| Open |
| Exit |
| SELECT |

Use the ⊡ navigation key to select the function you require.

Photo preview: preview photos by showing 8 photos per page, use the navigation key ⊡ (up/down/left/right) to select and browse the photos

Attribute: to display file information

Open: open the photo

When viewing photos, press Ⓜ and you will see this

| Full screen |
| Left rotate |
| Right rotate |
| Zoom |
| Move |
| Slide |
| Music on |
| Music off |
| Exit |
| SELECT |

Use the ⊡ navigation key to select the function you require.

Full screen: look at the photo with full screen

Left rotate: rotate photo anticlockwise by 90°

Right rotate: rotate photo clockwise by 90°

Zoom: zoom in and out of the photo using use left/right ⊡ navigation key
Move: move the picture around in order to see the desired magnified area using navigation button ⊡ (UP/DOWN/LEFT/RIGHT)
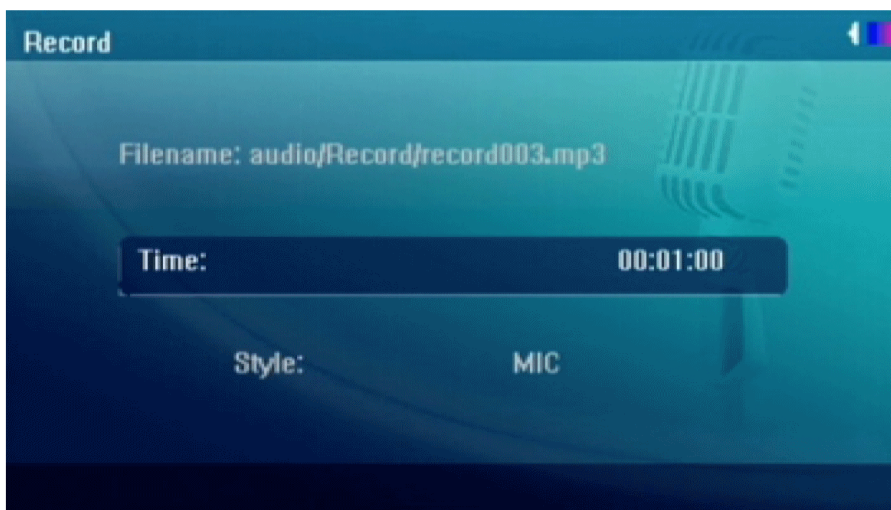**Slide:** start slide show
Music on: turn on background music
Music off: turn off background music

14 SOUND RECORDER

Scroll to the VoiceRecord icon in the main menu using the navigation key ⊡ (UP/DOWN/LEFT/RIGHT) and enter by pressing on the navigation key ⊡.

- Time: The default recording time is 0, i.e. un-timed recording. You can also set the maximum recording time and the recording will stop when time is up.
- Style: choose between using the build-in mic or line in

- The recorded sound clips are automatically saved and can be found under the folder audio/Record, i.e. you can listen to it by entering the Music menu -> Record folder

Start recording by press on the navigation button ⊡ or play ►.
Press STOP ■ to terminate the recording and press STOP ■ again to exit recording mode.

15 E-book

PMP400 can support TXT files, you can copy any TXT file into the TEXT folder in PMP400. When you click on the Text icon in the main menu, you will enter into the E-book library where you can browse your E-book collection using the navigation key ⊡ (UP/DOWN/LEFT/RIGHT).

15.1.1 E-book control

- **Navigation Control**

<div align="center">

Page up
UP
Left ⊡ **Right**
Down
Page down

</div>

● When reading e-book, press Ⓜ and you can open the function menu
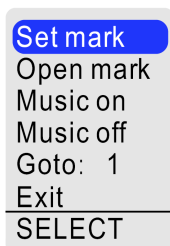
Set mark
Open mark
Music on
Music off
Goto：1
Exit
SELECT   Use the ⊡ navigation key to select the function you require.

Set mark: insert a bookmark (up to 6)

Open mark: open the e-book at the previously marked location

Music on: play music from the playlist or Audio folder

Music off: stop the music playback

Goto: use the left/right navigation key to choose the pages you are after, press ⊡ to enter the page

16 DIGITAL VIDEO RECORDER

It is simple to record Video Files using the PMP400 by connecting the AV cable to a TV, cable box, satellite receiver, etc.
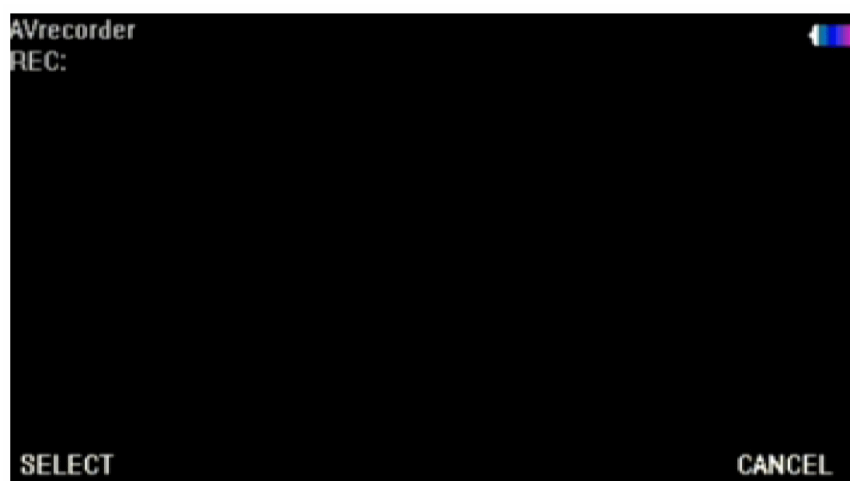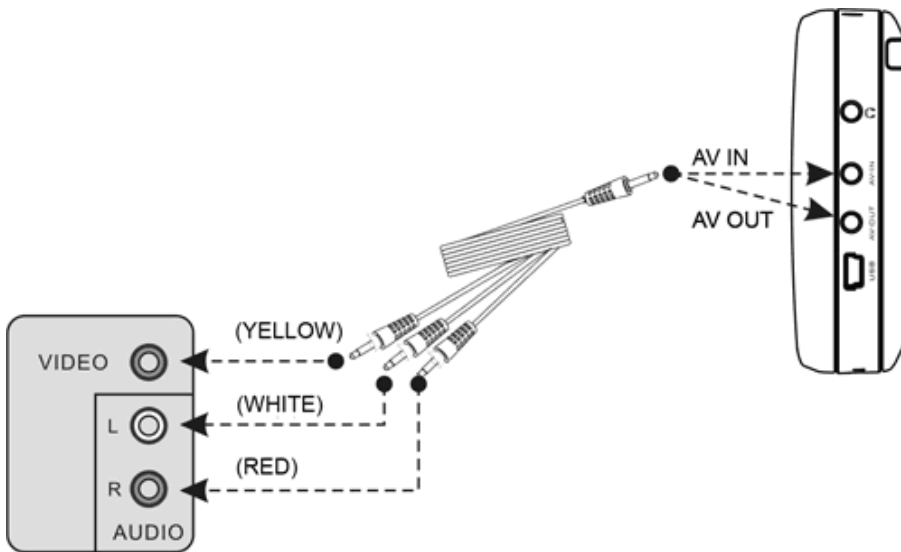
In AVRecorder mode, pressing ⓜ in the main menu and you will see this.

```
Start
Setup      >
Timing     >
Time select
Exit
SELECT
```
Use the ⊙ navigation key to select the function you require.

Start: start recording
Setup: choose PAL/NTSC/Vidicon
Timing:
- Progression – un-timed recording
- Timing – adjust recording time

Time Select:

Configure timer to record at pre-defined time
- The player will turn on at the pre-set time to record if the unit is off and will

automatically shut down when finished.
- Ensure the correct Mode, i.e. PAL/NTSC is set according to your requirement.
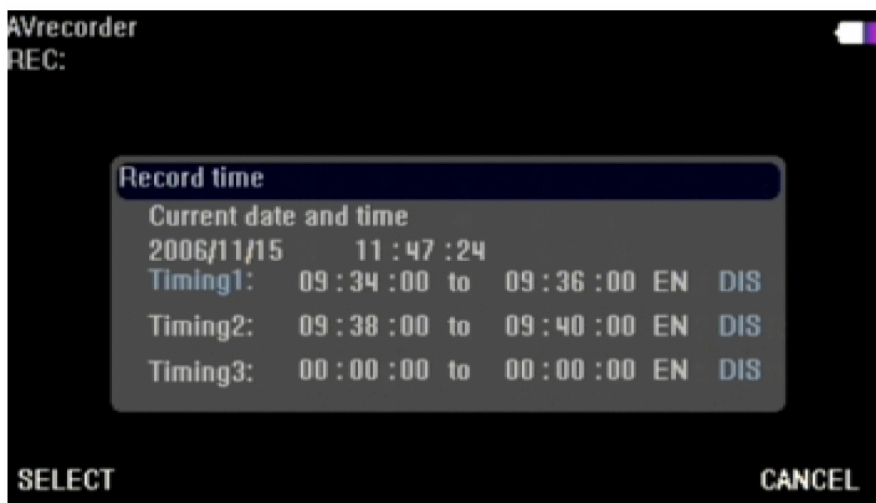- It is recommended to leave the charger connected when using pre-set TV recording. This ensures the unit has sufficient power and will not shut down half way during recording.

16.1 TV out

With the AV cable properly connected to the TV,
● Click on the Setup icon on the main menu and then choose Video Setting

● Navigate to the Swap display using UP/DOWN Navigation button ⊡
● Then Press LEFT/RIGHT to activate TV PAL or TV NTSC output. At same time, your display will be switched over and displayed on the TV screen

Note: only one screen, i.e. either TV or LCD will be active at any time. Please remember to go back to the settings and re-activate the LCD screen before you disconnect the AV cable from your TV.

17 MANAGE

Scroll to the MANAGE icon in the main menu using the navigation key ⊙ (UP/DOWN/LEFT/RIGHT) and enter by pressing on the navigation key ⊙. Then, you will enter the file management system of the PMP400.

- **File Control/Navigation**

<div align="center">

Scroll up

UP

Page up **Left** ⊙ **Right** Page down

Down

Scroll down

</div>

- Press on the navigation key ⊙ or Play ► to enter a folder or play a file

In the browser, press Ⓜ and it will display the menu below.
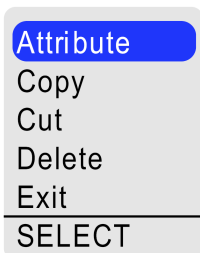
Attribute
Copy
Cut
Delete
Exit
SELECT

Use the ⊙ navigation key to select the function you require.

Attribute: to display file information
Copy: choose a file to copy, press the navigation key ⊙, go to the new location, press Ⓜ and select the stick option
Delete: delete the file or folder
Cut: cut file or folder from one location to and stick it to another

Note: Do not copy the file within the same location. There will be a prompt if attempting to overwrite an existing file.
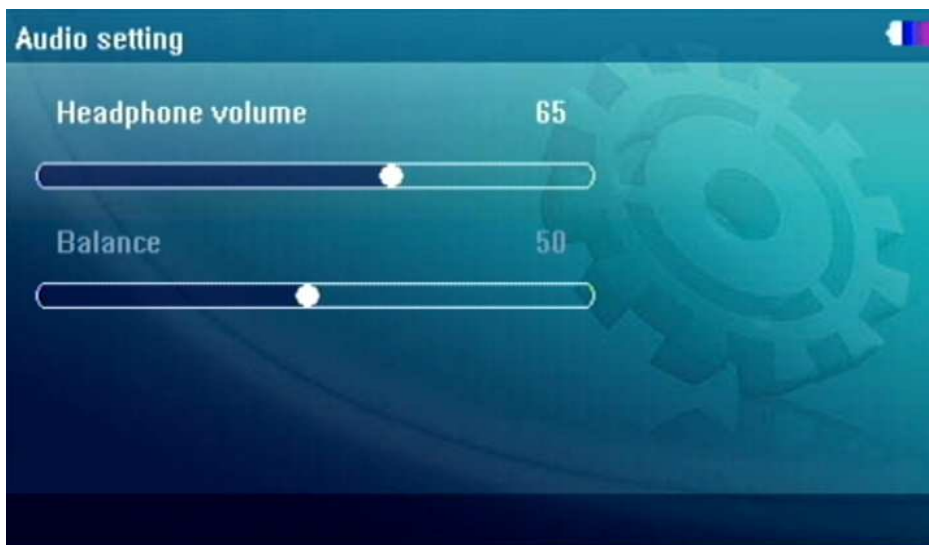
18 SETUP

From the main screen, select the Setup icon to reveal the menu items for various settings.

18.1 Audio Setting

Headphone Volume: You can adjust the sound volume to suit your particular taste.
Balance: adjust balance of the left and right channel

18.2 Video setting
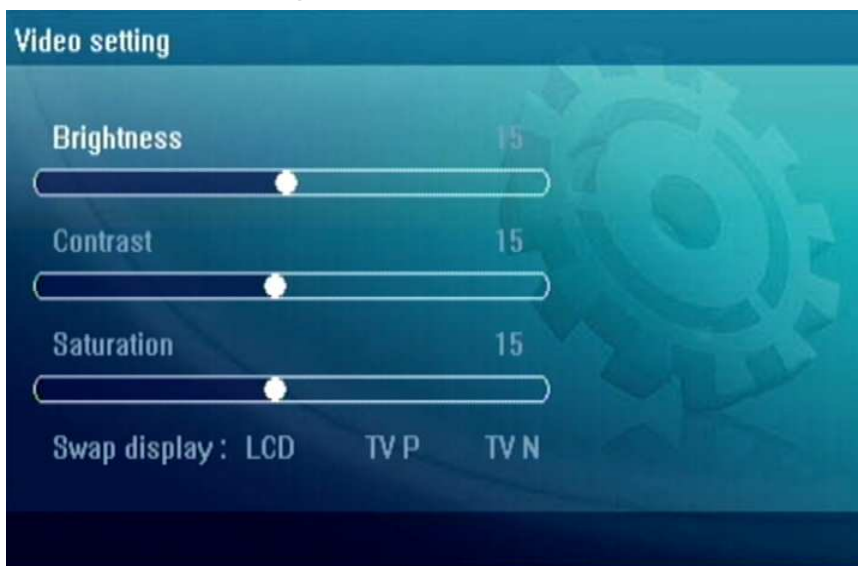
Brightness: increase or decrease the Brightness of the LCD screen. Adjust the bar to the left or right to get the best image. Lower brightness value will give you a longer battery life.
Contrast: adjust contrast levels of the LCD screen
Saturation: adjust saturation level of the LCD screen
Swap display: swap between LCD screen and TV out

18.3 Power Setting
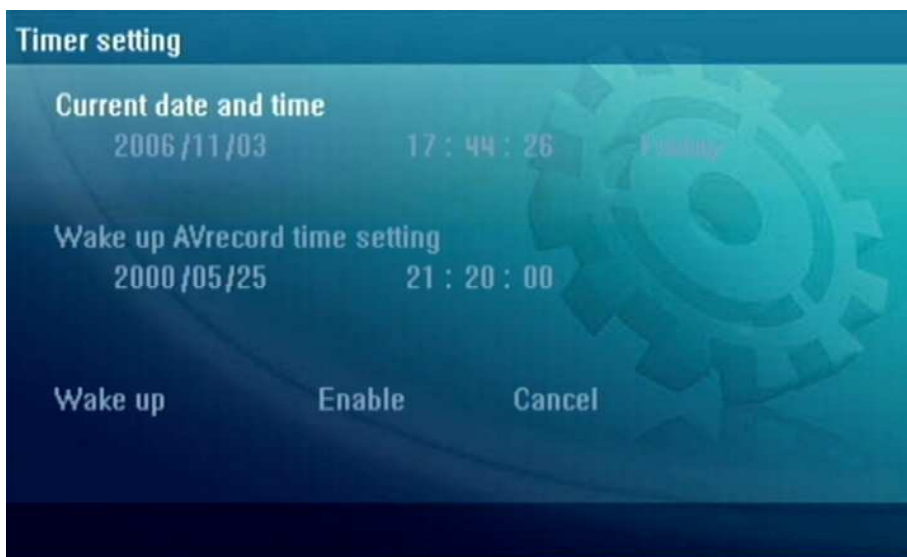

Screen Saver: shut down the screen after a pre-set amount of time (3-10 seconds) to save power, set to 0 to prevent screen shut down
Slide show: adjust the interval of the slide show (1-10 seconds)
Shut down time: adjust the length of idle time before shut down (1-5 minutes); set to 0 to stop the player from shutting down at all

18.4 Timer setting

Current date and time: set up the current date and time in YEAR/MONTH/DAY/HOURS/MINUTES/SECONDS
Wake up AVrecord time setting: pre-set timing to wake up for AV recording
Wake up: Enable or disable auto wake up for AV recording

18.5 Language

The PMP400 can be set to English, Chinese, Portuguese, Spanish, French, German and Italian.

18.6 Other Setting

Rank file: Rank file by time OR Rank file by letter order
Firmware Version: to check the current firmware version
Firmware update: to update the firmware
HD information: to check Total capacity, Used capacity and Free capacity
Disk partition: select the active partition - partition 1 (HD1), partition 2 (HD2), partition 3 (HD3) or partition 4 (HD4)
Note: When updating firmware, you MUST connect the AC charger to the unit to ensure there is sufficient power for firmware update. If the update is interrupted, the firmware will be damaged and the player will not work.

19 OTG

Connect the OTG cable to the PMP400, then connect the device e.g. camera, card reader, USB stick, etc you would like to copy the files from to the OTG cable using USB. Turn on the PMP400 and the screen will display "The USB host port is connected, press ⊙ to continue." After ⊙ is pressed, the data will start to transfer, at same time, the hard disk indicator will be blinking to show the data is transferring. The indicator will be off after the data had finished copying/transferring.

20 PC connection - USB hard disk

The PMP's hard disk will act as a removable hard disk upon connection to a computer via USB.

20.1 To use as removable USB hard disk

- Simply plug the USB cable to the PMP and computer
- The computer will detect and automatically install the necessary drivers to read/write to the hard disk
- On the PMP screen, it will display a Logo – certified USB
- Shortly after the logo is displayed, the backlight of the PMP will shut off to reduce power drain under USB mode
- To exit USB mode, use the "Safely Remove Hardware" function on the computer, then either pull the USB cable or press STOP ■ button on the PMP and it will return to the normal menu.

Note: It is recommended to connect the PMP to the wall charger when using USB mode on the computer to prevent loss of data due to write errors if the battery suddenly goes flat, especially during heavy read/write operations.

21 Using USB charger

As the PMP automatically defaults to USB mode as soon as PMP is connected to a USB port, the following trick is needed to use USB's power to **"charge" and use the PMP at the same time** instead of using the standard wall charger.

- After USB is plugged, press STOP ■
- Leave the USB plugged and continue to use the PMP as usual
- This allows user to take advantage of USB's power to charge the PMP

For normal charging using USB port, i.e. while PMP is off, just plug the USB to the PMP and wait till the red charging indicator light goes off.

22 Frequently Asked Questions (FAQ)

We apologize that the list of FAQ is not included here because the list of FAQ is simply too long.

Please visit http://www.hdmp4.com/PMP+FAQ for the latest, up-to-date FAQ.

If your question is not answered in the FAQ, you are welcomed to ask in our forum – http://forum.hdmp4.com