



User Manual

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FEATURES:

Support AVI/MP4/3GP various Video formats (other formats can be converted by software).

Support MP3/ WMA/WAV/AAC various Music formats , lyrical display , 5 EQ modes etc.

Support Audio formats as following :

MP3 : MPEG1 level1 ~ 3、MPEG2 level1 ~ 3、MEPG2.5 (Tiptop compression ratio 320kbps , 48KHz Sample rate) ;

AAC/AAC+ : 320kbps , 48KHz Sample rate ;

WMA : WMA9.1 , 192kbps , 48KHz ;

Support Video formats as following :

MPEG-4 codec : Sample profile level1~3 , CIF30fps (decoder) / CIF15fps (Encoder) ;

H263 codec : baseline level1 ~ 3 , CIF30fps (decoder) / CIF15fps (Encoder) ;

Support Video file formats as following :

3GP、MP4、 AVI

3GP = Audio(AAC) + Video(H.263 or MPEG4), General 5-15fps

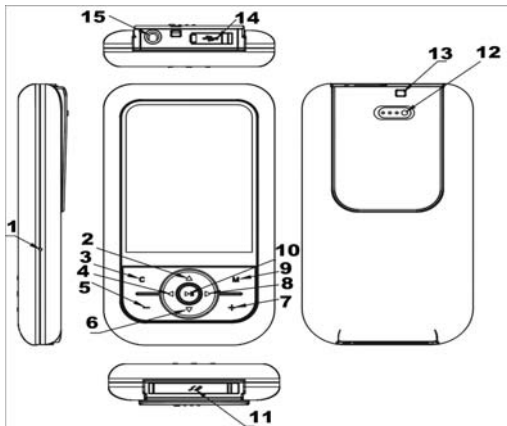
MP4 = Audio(AAC or MP3) + Vi(H.263 or MPEG4), General <30fps

- Support E-book.
- Support browse various picture formats of JPG,BMP,GIF etc,and also support 90°circumvolve the pictures .
- High Quality Digital FM , Support Auto /Manual searching modes , and European/Japan frequency mode.
- Support multi games, such as Explode pigboat,Throw egg,Bet 21,Color block, Russian Diamonds and Guess,
- USB Full speed 2.0
- Support WIN98SE / ME WIN2000 / WIN XP operation System
- Support Mini SD card write /reader function;
- Support Nand flash ;
- Support Multi-languages
- Support Playing list management ;
- Support Firmware Upgrade ;

1 . Basic Operation

1. Power on :Pull the Power key to on position and shortly press "Play" key
2. Power off : long time press "Play" key and put the power key to off position.
3. System will auto power off and stand by when low battery power. Don't power on the machine again.
4. In the menu, Press "Play" key to confirm the item. Press "▲" or "▼" direction key to move the cursor.
5. Under FM model, music playing or video, press "++" or "--" button to change the volume.
6. When playing music and Movie, shortly press Play key to play or pause.
7. The screen saver program will start when no operation , Press any key to return normal displaying.
8. In normal situation, press ESC key to return upper-menu when playing music or FM. The music and FM will not terminate.

2. Button description



- 1 . MIC;
- 2 . ▲ UP key
- 3 . ESC
- 4 . ◀ forward Key

- 5 . ▬ Volume Down Key
- 6 . ▼ Down key
- 7 . + volume up Key
- 8 . ► Next key
- 9 . MENU
- 10 . Play Key
- 11 . SD card
- 12 . Power key
- 14. USB interface
- 15..Earphone interface

Function Description

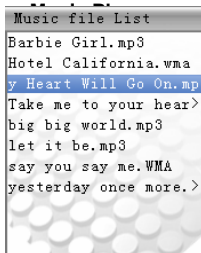
2 . 1 Main Menu

Press OK key to Main Menu. There are 9 functions in the main menu as following:

Music, movie, FM Radio, Image, E-Book, Audio Recorder, Explorer Game and Setting. Also include Battery status, time displaying etc.



2.2



Music player can support various music formats playing :

- 1 . Support various music format , include : MP3, WMA, WAV, AAC

2 . Basic operation :

- ✧ Press OK key to play ;
- ✧ Shortly Press OK key to pause during playing
- ✧ Press Ok Key 2 seconds to stop
- ✧ press +/- key to adjust volume , shortly press ◀ / ▶ to choose last and next song.
- ✧ In MP3 playing, AB repeat function can work by pressing M key.

3 . Advance Operation :

- ✧ Support Pre-listening function(5 second,10 second,15 second,20 second) ;
- ✧ Support lyrical displaying ;
- ✧ Long pressing “◀”or“▶” **key** to forward or backward ;
- ✧ Playing modes : Normal 、 Single Repeat、 All Repeat、 Random Repeat ;
- ✧ Starting music setting ;
- ✧ 5 EQ choices: Normal, Classic, pop, Bass, Rock

2 . 3 Movie

Movie playing is one of the main features in this device. It supports various Movie formats as following:

- ✧ Hardware support : AVI,3GP,MP4 ;
- ✧ Software convert support : AVI,3GP,MP4、 DAT,VOB etc.

Special note : (Free Movie convert software include in CD driver)

1. Movie playing speed: Over 25fps , QCIF format.
2. Basic Operation :
 1. Press OK key to play ;
 2. Shortly Press OK key to pause during playing ;
 3. Press Ok Key 2 seconds to stop ;
 4. Shortly press “-“ or “+” key to adjust volume, shortly press “◀”or “▶” to choose last and next movie.
3. Advance Operation :
 - ✧ Long Press “◀”or “▶” key to forward or backward at 2 to 32 times speed.
4. Displaying status (can be shut down) :
 - ✧ Playing Bar ;
 - ✧ Now time/Total time;

- ✧ Volume Bar ;
- ✧ Forward/Backward Bar ;

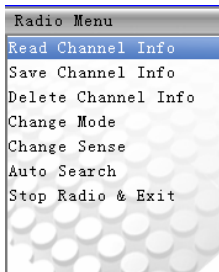
2 . 4 FM(Optional)



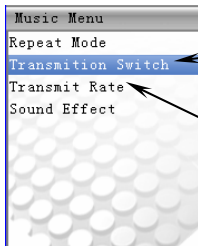
Built-in High quality FM, Japan mode broadcast frequency is from 76 MHz to 91 MHz. Europe model is from 87.5MHz to 108 MHz broadcast frequency. Functions include

1. Press ok key to display the stored stations.
2. press key to adjust volume
3. press “◀” or “▶” key to adjust FM frequency (Definition : to 0.1 MHz)

4. Press MENU button to navigation menu and make setting as read, save, delete etc. Also can preset maximum 20 channels ;
5. Europe/Japan Mode ;



FM Transmitter (optional)



2. choose it first, and press “ok”
button to enter into

3. Please press” ok” button

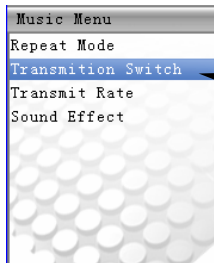


4.Insert earphone into the jack of the MP3 player,the earphone is antenna.

5.Under “Music” playing mode, long press “MODE” 3 seconds to enter into the FM transmitter;

6. press </>to adjust the frequency of MP3 player and fixed one channel first or the frequency sound of Car and fixed one channel first ,after you fixed one of them frequency,then please adjust the other one, when you adjust the MP3 frequency is the same with the Car frequency , the car will receive all of the music that inside of MP3 ,and you can play the MP3 Music in the car.

Back to following,



3. Please choose turn off ,then
the FM Transmitter closed

REMARK: Please turn off the FM transmitter when
you do not need it for save battery 。

Please must turn off the FM transmitter when you are
listening the music and FM radio for keep the good
sound and controlling volume .

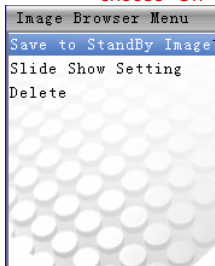
2 . 5

Picture View

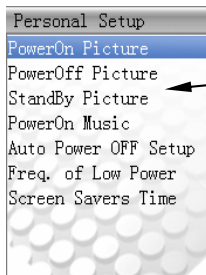
1. Support BMP, JPG, GIF picture format
2. Support catalogue preview picture to choose preview or not. .
3. Support picture 90 degree rolling.
4. Support slide play.
5. Support picture information displaying, including mode name, format,
6. Picture's setting on Power on, Power off, Standby.



6. On “Image” mode, choose the picture which you want to set to background. When the picture is displaying, firstly, long press “M” button 3 seconds to enter into “Image Browser Menu”, then choose “Save to Standby Image”, press “OK” button to save it . (the picture pixel must be 176 x220)
On “Setting” mode, enter to “Personal Setup” mode, and choose “Standby Picture”, then press “Ok” button to choose “On” ,it will be ok .



1.Please press OK button to set the picture to background



2. Please choose turn on
The standby Picture

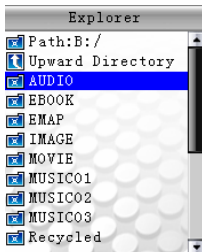
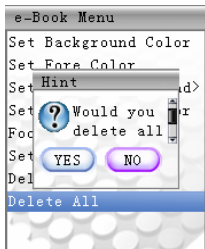
2 . 6 E-Book

Support E-BOOK function, features as following;

1. Support TXT
2. Support E-Book Browse setting, press Menu button shortly enter into "E-book operate mode", press "Forward" or "Backward" button(or press "v/+ " or "^/-" shortly to choose: setting Background color, foreground color, anti-background color, auto rolling screen, delete, and return ,etc. Press "ok" button entering into relevant setting, press "ESC" button return back.
3. Press "ok" button(or press "Forward" or

“backward” button)shortly under e-book Menu
start page viewing; press “^/-” or “V/+” start line
viewing.

- Support bookmark function(the latest page recall function)



2 . 7 Record

Choose “record” under main menu, press “ok” button shortly entering into “Record”.

Record: Press “ok” button start record, re-press “ok” button stop the record and autosave the record files in the “record file list”, the format for the record file is WAV, it plays in “record audio player”.

2 . 8 File Manager (SD card Manager)

Under main menu, press “ok” button entering into “Explorer” interface.

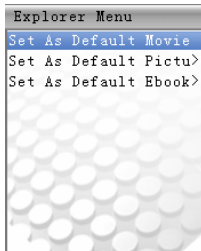
Resource manager can manage all the storage files and SD card files. The main functions as:

1 . Support browsing and deleting function under the SD card. Also can playing the music and movie. Pictures and E-book and so on.

1 . Support Browsing and deleting function , Built-in resource is undeletable

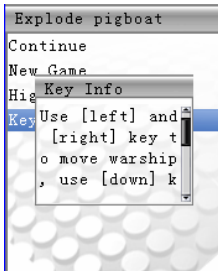
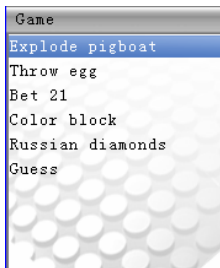
2 . Support Subdirectories management

3 . Choose to set default save path. Default music file path is AUDIO, Default video path is MOVIE, default pictures path is IMAGE, default text path is EBOOK.



2 . 9 Game

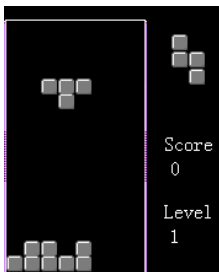
The machine include some interesting games for entertainment as following:



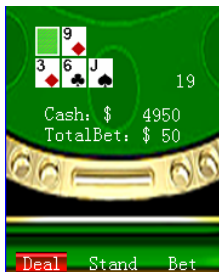
Explode bigboat



Throw egg



Russian Diamonds



Bet 21

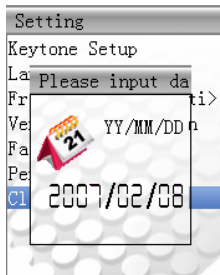
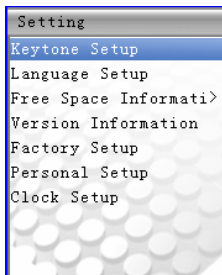


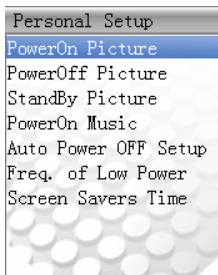
7 color block



Guess

2 . 10 System Setting :





Choose system setting to make adjustment. Setting include: :

1. Language Setup: English, Spanish, Greek ,etc.
2. Keytone setup
3. Free space information ;
4. Version Information ;
5. Default Setup ;
6. Individuation setup: power off, Standby pictures, Starting music, auto power off , low battery, screen saving etc.

3 . Upgrade and Download

The machine supports standard USB port. It is easy to use as Pendrive by connecting USB cable to PC USB Port. Windows system(Win98 above) can recognize the machine automatically.

3 . 1 Upgrade

Under the power off state, Press “M” key and do not release until you connect USB cable to computer, then the screen will appear the words like:

1 Clear to format

2 down to command

3 other to usbdisk

when you see the above words, please press << v/- >> button, the screen will appear the words ” USB disk”.

Then you will find two disks in your computer, please find the one with

capacity of 16MB and put the new firmware files which we put on the disk to cover the old files.

Now congratulations, you have finished the upgrade, take off the PLAYER from the computer.

3 . 2 Download

The system only can read four folders, please do not revise the name of folder or delete it, otherwise it will work abnormality.

AUDIO : Save the file as audio format, the system will play the file in folder .

EBOOK : Save the file as TXT format, it will be read by Ebook.

IMAGE : Save picture file ,

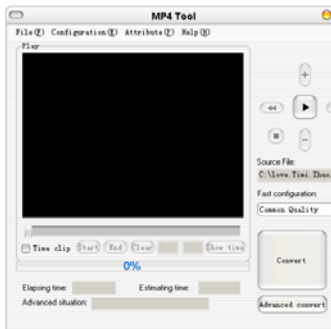
MOVIE : Save Video file ;

4. Video Convert

This program is used to convert video files into AVI.MPEG1/2/4.QuickTime.Window Media.3GP.VOB.DAT convert to Video file of XviD/H263 and audio file to AVI file.

Install operation steps are below:

1. Run “**AVI Convert Tools**”, double click “Mp4Tool_E130.exe” to choose the folder where to save the AVI files, and operate it step by step to install it.
2. After you have installed it, please operate on your computer as following steps: Start—Program---MP4TOOL ,then open it .The window will like this :



Press File/Open source to choose the original file, such as AVI. MPEG1/2/4.QuickTime.Windows Media.3GP.VOB.DAT etc.

2. Browse the original file: Press “play” button to browse the original file , and you also can pause / next forward / stop / display playing time / adjust volume.

Bite rate provides high quality, medium quality and low quality .Frame speed has 25fps and 30fps.

Time edit:

Choose “Time edit” ,the encoder will convert the movie files time as you set .If you do not choose the time, it will convert the whole

movie .The buttons of “Start” , “Finish”, “Clear” are the original movie’s, it is valid when the movie is playing ,and it can mark the edit time .

Movie convert :

Press “convert” button to convert movie.

Convert time means the time it has converted / the length of movie convert; Convert roll around time means convert clock; Convert estimate time means estimate the whole time for finish this convert.

5. Windows 98 CD driver setup

Insert the CD driver to CD-ROM.

Connect the device to PC, from “control panel” to “add new device”, the PC will scan it automatically .After the PC found out the setup file, please install it as the instruction.

After setup, please restart your computer.

6. Disconnection USB connect

Press right underside corner “removable disk ico”, waiting for appear “delete USB Mass Storage Device-driver” safely, and then re-press “delete USB Mass Storage Device-driver” until “remove hardware safely” pop-up window appears, press “ok” button(or shut down the window), the USB connect is disconnection.

The date error, date losing and disk damage will be resulted if you disconnect USB connection directly, and haven’t use “removable

hardware safely” function.

7. Troubleshooting

No power	Check whether the battery has been charged. Check whether it is play or not after connected with computer.
Characters on display is corrupt	Check whether the right language has been selected.
FM radio is not clear	Adjust the distance of earphone string's direction and player. Adjust the position of the earphone and player.
Can't connect computer	Confirm whether the driver program is installed correctly or not if the computer system is under win98se. Confirm whether the player connect well with pc and the USB cable damage or not.

Specification

LCD display	176*220 DOTS TFT 2.2"	
Display driver (LCM)	Hx8312	
USB Interface	USB2.0 (FULL SPEED)	
Capacity	Nandflash (256M/512M/1GB/2GB/4GB)	
Battery	Rechargeable battery	
	Play MP3 music about 6 hours or play movie about 3 hours after full charged	
Recording	Sample rate	8KHz
	Recording format	WAV (32K bps)
Video playing	Support format	AVI, 3GP, MP4
	S/N rate	>85dB

	Frame	About 30fps
	DPI	<CIF
MP3、WMA、WAV	Earphone Max output	(L) 15mW + (R) 15mW (32Ohm)
	MP3 bite rate	16K bps – 320K bps
	Frequency response	20Hz---20KHz
	S/N rate	>85dB
	Distortion rate	<0.1%
FM Radio	FM frequency range	76MHz – 91MHz / 87.5MHz – 108MHz
	Station number	20
	Earphone max output	(L) 15mW + (R) 15mW (32Ohm)
	SNR	50dB
Games	Built-in many games	
Media Format	MP3、WMA、WMV、AVI、VOB、DAT、3GP	
Operating Temperature	-5°C – 40 °C	
Language	Chinese,English,Greek,Spaish, Czech,Russian, Serbian etc.	

Operate System	Windows98/SE/ME/2K/XP
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