

CONTENT

| | |
|---|----|
| Safety Instructions..... | 1 |
| Function Characteristics..... | 3 |
| Keys and Jacks..... | 5 |
| Functions of the Remote Controller..... | 8 |
| Preparation before playing..... | 11 |
| Menu SETUP..... | 12 |
| Receiving DVB-T..... | 15 |
| DVB-T Menu SETUP..... | 17 |
| Analog TV Receiving..... | 21 |
| Using PMP..... | 25 |
| Using Batteries..... | 30 |
| Recording..... | 31 |
| Using AV..... | 33 |
| Trouble Shooting..... | 33 |
| Technical Specifications..... | 36 |
| Accessories..... | 38 |

Welcome you to purchase PMP from our company, to achieve best function, please read the instruction carefully and keep it well for future reference.

Cautions: Do not expose the player in the rain or damp surroundings to avoid catching fires or getting electric shock.

Cautions: Please use wide-pin plug to match wide-slot electrical outlet to avoid getting electric shock.

Cautions: Do not repair the player yourself. There are no spare parts in the player for the user to repair by yourself, leave all the repairs to professional technicians.

Cautions: Without clear confirmation of our company or units recognized by our company, any change to the player might cause inconvenience to users.

Safety Instructions

1. The player is precise electronics product, pay attention to dust to avoid troubles to the player when using.
2. Keep away from places with water when using, such as tub, dish washing pool, clothes washing pool, also keep away from wet surroundings, such as basement, swimming pool and similar places.
3. To guarantee stable and continuous working of the player, try to keep surroundings ventilated. Do not put the player in bed, sofa, cloth and clothes, etc to avoid jams in the hole.
4. The player must be kept away from Hotness origin, such as central heating, hotness adjustor, stove and other hotness given product.
5. Cleaning can be done only after the power plug is pulled off, use soft cloth to clean, do not use liquid wash and spray detergent.

Functions

Built-in 2.5 inch HDD, play multi media files(Audio compatible with WMA, MP3 format; Video Compatible with MP1(VCD), MP2(DVD) and Divx, XVID, MP4, AVI format, etc; Images compatible with JPEG format, etc); also could be used as mobile HDD; HDD could be replaced automatically

DVD Navigation Play(Limited to DVD disc with no copyright limitation)

High resolution D1 recording, could record DVB-T, TV, or AV IN to DIVX files, then memorize in HDD or Card, resolution up to 720x480(NTSC), 720x576(PAL)

DVB-T digital TV receiving(bandwidth 6M, 7M, 8M)

Multi system analog TV Receiving (PAL, NTSC, SECAM)

All-in-one card reader function, compatible with the following cards:

- a. CF Card
- b. SC Card Series(SD,MINI SD)
- c. MMC Card Series(MMC, RS-MMC)
- d. MS Card Series(MS, MS PRO, MS DUO)

Multi system video input function

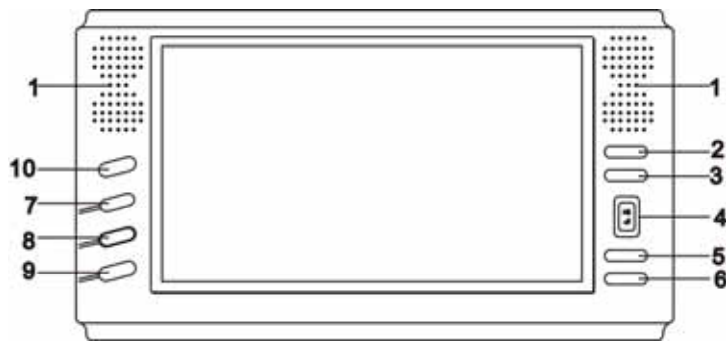
USB DEVICE 2.0

7" TFT LCD, adopt LED back light display

Built-in Polymer Lithium Batteries, continuous play more than 2 hours after fully charged, could be replaced automatically.

Fashionable metal Cabinet

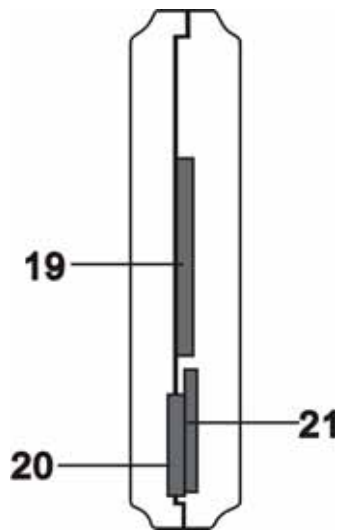
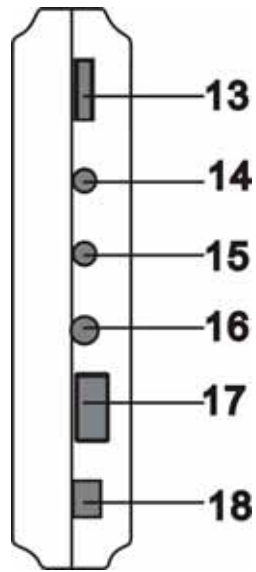
Keys and Jacks



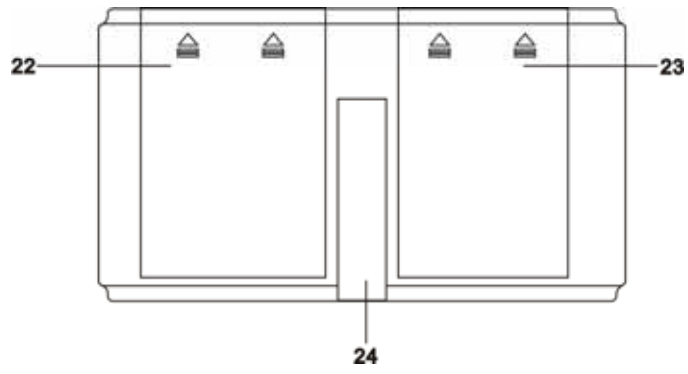
1. Speaker
2. UP/Fast Reverse Key/Fine- ▲/◀◀/FINE-
3. Down/Fast Forward Key/Fine+ ▼/▶▶/FINE+
4. Confirm Key/Play/Pause
5. Left/Previous/Channel-Key
6. Right/Next/Channel+ key
7. Press shortly to open recording menu; Press longer to switch on/off menu
8. Open/Switch off Mode Menu
9. Stop/Return key ■ /EXIT
10. Light Indicator for charging status and window of remote controller



- 11. Power ON/OFF
- 12. Antenna Jack
- 13. Volume Adjustment button
- 14. Video input/output Jack
- 15. Audio Input Jack
- 16. Earphone/Audio Output Jack
- 17. USB Jack (DEVICE)
- 18. Power Input Jack



- 19.CF Card Jack
- 20.MS Card Jack
- 21.SD/MMC Card Jack

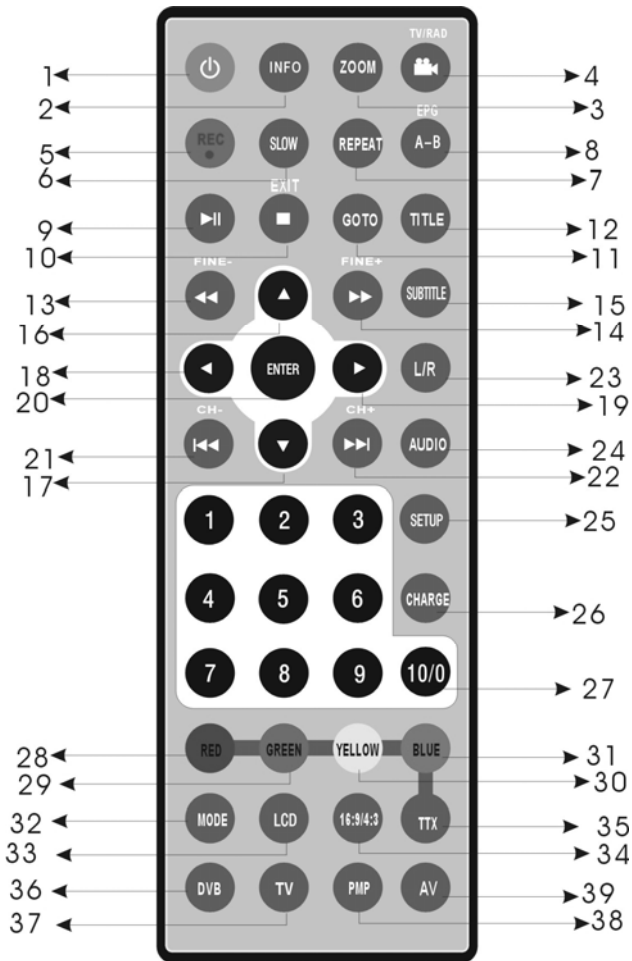


22. 2.5" HDD Cabin Cover

23. Batteries Cabin Cover

24. Bracket

Function of the Remote Controller



1. ON/OFF
2. Channel Information
3. Zoom
4. Angle Switch/Digital Broadcasting and Digital Video
Switch
5. Recording
6. Slow Forward
7. Repeat
8. A-B Repeat
9. Play/Pause
10. Stop/Exit
11. Search
12. Title
13. Fast Reverse/Fine-
14. Fast Forward/Fine+
15. Subtitle
16. UP
17. Down
18. Left
19. Right

20. Enter
21. Previous/Channel-
22. Next/Channel+
23. Left/Right Channel Switch
24. Language Switch
25. Setup
26. Charging Control
27. Number Area
28. Red
29. Green
30. Yellow
31. Blue
32. Mode Switch
33. LCD ON/OFF
34. 16:9/4:3
35. Teletext
36. Switch to Digital TV Mode
37. Switch to Analog TV Mode
38. Switch to PMP mode
39. Switch to AV Mode

Preparation before Playing

Use Power Adapter

The player use special power adapter

1. Connect power adapter's DC output to DC IN jack of the player
2. Connect the other end of the power adapter to power.
3. Give power to the adapter.

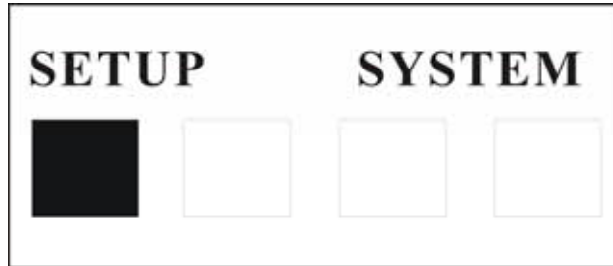
Caution: Please switch off power on the player when plugging in or off the power adapter to avoid damage to the player due to improper operations.

Before Operation

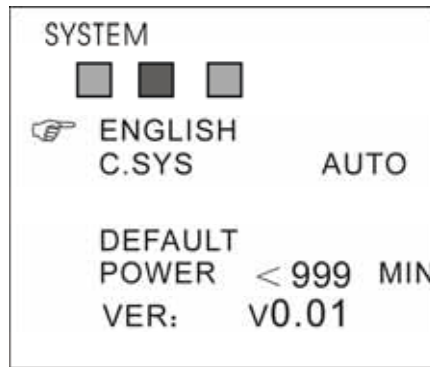
1. Connect to power
2. Switch power to ON Position
3. Adjust volume (including earphone volume), please revolve volume adjustment button.

SETUP MENU

Press SETUP key to go to SETUP to choose Menu, There are 4 submenus as “SYSTEM”, “PICTURE”, “CLOCK” and “Status”(“Status” submenu is menu of the current play status, will be introduced later).

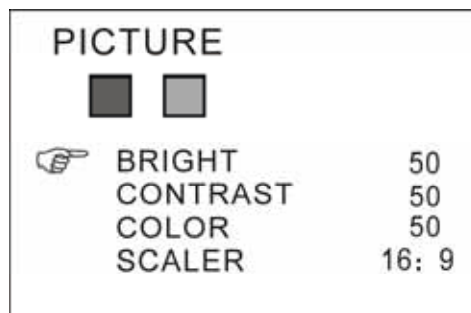


Press direction key left or right to move cursor, choose SYSTEM, then press ENTER to go to SYSTEM submenu. The first item is Language, could change display language of setup menu; The second is color system of the player's display image; The third is DEFAULT, press direction key left or right to return to DEFAULT of SETUP MENU; The 4th is POWER display, could display remaining play time when



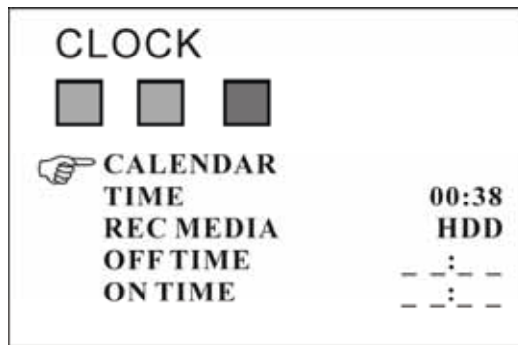
using batteries to play; The 5th is the version of the player's setup menu software.

Press direction key left or right to move cursor, press "ENTER" key to go to display submenu after choosing picture. The first item is BRIGHT, press direction key left or right to change the level of the bright of the image after choosing; The second is CONTRAST, press direction key left or right to change the level of the contrast of the image after choosing; The third is COLOR, press direction key left or right to change the level of color of the image after choosing; The fourth is display ratio, press direction key left or right to switch between 4:3 and 16:9 after choosing. Press EXIT key to escape from the menu after finishing setup.



Press direction key left or right to move cursor to choose CLOCK, then press ENTER key to go to CLOCK submenu. The first item is CALENDAR, press direction key left or right to open CALENDAR, press direction key to set up year, press direction key left or right to set up month, press ENTER key to

set up date, press EXIT key to escape from CALENDAR after finishing set up. The second item is TIME set up, press direction key left to adjust hours, press direction key right to adjust minutes; The 3rd item is REC MEDIA, use this to set up memory type for saving files at timing switching on the player for recording; The fourth is OFF TIME, press direction key left to adjust hours, press direction key right to adjust minutes, when time goes to the time already set up, the player will stop recording and switch off automatically; The fifth is ON TIME, press direction key left to adjust hours after choosing, press direction key right to adjust minutes, when time goes to switching on time already set up, the unit will switch on automatically to record.

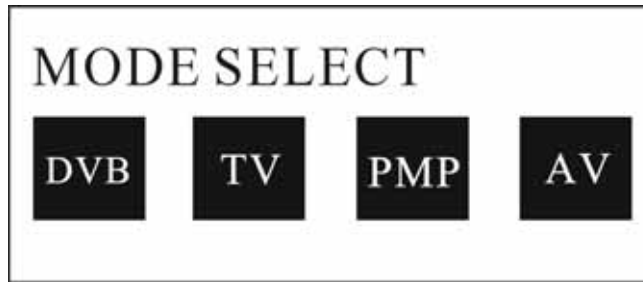


Attention: After switch off the power, the clock, off time, on time will be eliminated, and will restore to the initial status. Therefore, please do not switch off the player and use the remote control to operate the power ON/OFF

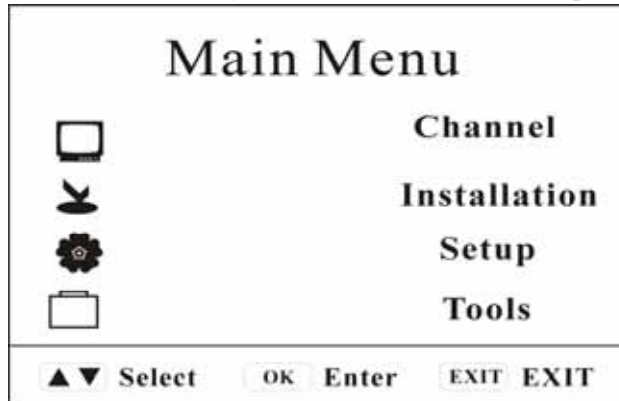
Receiving DVB-T

Connect to antenna, switch on power adapter.

Press “MODE” key, select “DVB” to enter into DVB-T status.



Press “ENTER” key to enter into the DVB-T setup menu.



Press “SETUP” key to open setup menu, select “DVB”
Select “Installation” item, press “ENTER” key to enter into the submenu, may choose “Auto Scan” and “Channel

Scan” to patterns.



The auto scan has “Free” and “ ALL” two kind of searches mode, presses the direction key ◀、 ▶ may switch the search pattern. Presses the direction key ▲、 ▼ to select “Search” and press “ENTER” key to start auto search the DVB-T channels.

“Channel Scan” have 2 mode: “By Channel” and “ By frequency”. In “By Channel”, choose the “Scan Channel” item, set the scan band first and then select the Ch No. by using the direction key ◀、 ▶ to change channels (the frequency will be change correspondingly. Finished the setup of channel and select “Search” press “ENTER” key will start to search.

In “By frequency”, choose “Frequency”, press “ENTER” key and it will show a arrow under the frequency No., using the direction key ▲、 ▼ to change the number, and press “EXIT” key to finish the setup. Press direction key ▲、 ▼ to select the “ BandWidth”, using direction key ◀、 ▶ to start search.

After search, this player will broadcasting the DVB-T programs, press CH+ or CH- key to switch the channels. Press “EXIT” key to return to the upper menu, continuous press may close the menu.

DVB-T Menu Setup



Press SETUP key on the player or the remote controller to open menu, may choose DVB setup , press “ENTER” key to Enter in to the DVB-T setup menu.

You could set the TV channels in “TV Channel List”, use the direction key ▲、▼ to choose the TV channel. Press the key 1 may set the selected to favorite channel; press the key 2 may locking the selected channel, only inputs the correct password can be able to complete the establishment of locking.(default password is 3330); press the key 3 and use the direction may move the select of TV channel; press the key 4 may delete the TV channel which selects; press ◀、▶ key to go to the upper Page or next page; press “EXIT” to exit the TV Channel list, the player will asking you if you need to serve the

modifications, select “YES” to serve the serve the setup, select ”NO” to cancel the setup.

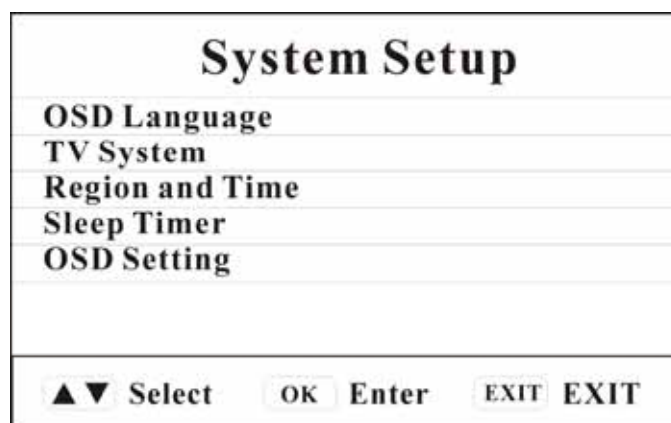
Radio Channel List setup as same as the operation of TV Channel List.

Favorite Channel list could setup the favorite channels. Use the direction key ▲、▼ to choose your favorite channel. Press key 0 may delete all your favorite TV Channels, choose “ YES” to complete the deletion; press key 2 may locking the selected channel, only inputs the correct password can be able to complete the establishment of locking.(default password is 3330);press key 4 may delete the selected channel; press ◀、▶ key to go to the upper page or next page; press “EXIT” to exit the TV Channel list, the player will asking you if you need to serve the modifications, select “YES” to serve the serve the setup, select ”NO” to cancel the setup.

The setup of favorite Radio Channel list as same as the Favorite Channel list.

Choose “Delete All Favorites”, press “ENTER” key to confirming delete all favorite channels.

Choose “Delete All”, press “ENTER” key to delete all channels.



“Setup” is the setup submenu. You could setup the DVB-T; could setup the language in “OSD Language” item; could setup the “Display Mode” and “Aspect Ratio” in “TV System” item; could setup the region and time in “Region and Time” item, also could control the switch of “Summer Time” and “Time Display”; could setup the sleep timer in “Sleep Timer” item, after set the sleep timer, this player will counting down till the preset time and stop the DVB-T broadcasting automatically ,the screen will turn to the blue screen.(Change to other mode and back to DTV or restart the player will recover the DTV broadcasting);could control the OFF/ON of “Subtitle Display” and “OSD Transparency” in “OSD Setting” item.



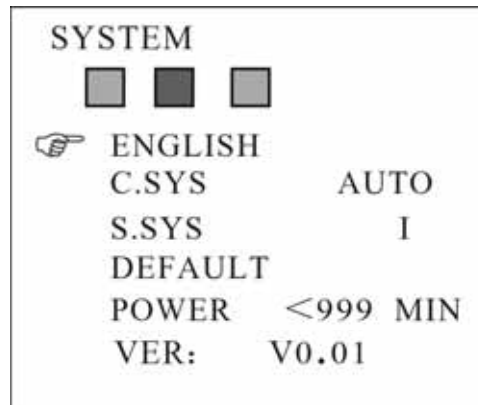
“Tools” is the tools submenu. You may check the related information and software version of current DVB-T broadcasting in “Information” item; could setup the “DVB-T”MENU to load factory default in “Load Factory Default” item.

Analog TV Receiving

1. Connect with external antenna or CATV signal cable.
2. Switch on power, when switching on power
3. Press MODE key, switch to TV mode.

Auto Search

1. Go to system sub menu in the main menu to choose sound system (D/K, I, B/G or M) and Color system C.SYS (default is AUTO), set up these 2 items according to your local analog TV.



2. Presses the "SETUP" key to go to the setup menu, choose the "PRESET" to go to the preset submenu, select "AUTO SEARCH" and press ► key to start.



3. Searching is over after searching several minutes, channel searched will be memorized automatically.
4. When using antenna, adjust antenna's position, direction and angle to achieve best receiving effect.

SEARCH

Go to Preset sub menu to choose "SEARCH", then press ◀, ▶ key to manual search backward or forward, searching is over automatically after receiving the programs.

FINE TUNE

Go to Preset sub menu to choose "FINE TUNE", press ◀, ▶

▶ key to fine tune backward or forward.

BAND

Go to Preset sub menu to choose “BAND”, press ◀、▶ key to change band, this function is often used for choosing band before manual search.

PROGRAM

This item shows the current channel No., press ◀ or ▶ key to switch to previous channel or next channel.

SKIP

Go to Preset sub menu to choose “SKIP”, change SKIP to “ON”, then press channel+/- key to skip the current receiving channel, this function is used for skipping over channel with bad effect, if resume SKIP to “OFF”, later it won't skip over this channel.

SWAP

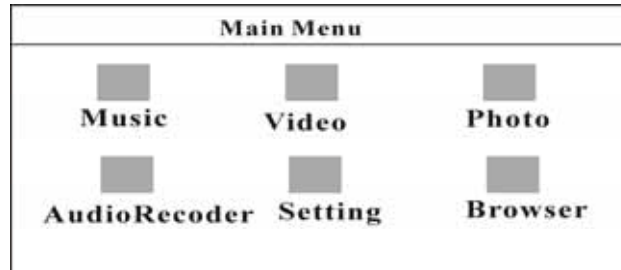
Suppose the current channel is 10, the operation to swap channel 6 to channel 10 is as the following: Press ▼ key to choose SWAP, press ◀、▶ key to change the channel on the

left of the arrow to 6, press ▼ key, the current channel 10 is changed to red color, at this moment press ◀ or ▶ key to finish swap, press ◀ or ▶ key again, channel 10 and channel 6 will be swapped back.

Special Caution: When searching channel, you need to adjust the player's TV system same as your local TV system. For example, your local TV system is PAL B/G, then adjust your TV system to PAL B/G in your player, then search stations.

Using PMP

Presses “MODE” key to go to mode menu, choose “PMP” and press “ENTER” key to enter into the PMP mode. This player could read the built-in 2.5”hard disk and memory cards, please select related memory equipment to enter into the “PMP” main menu.



There are 3 kinds of file in first line is: “Music”, “Video”, “Photo”.

The second line is: “AudioRecorder”, “Setting”, “Browser”

Play Music

Press “Music” folder and press “ENTER” key to enter and will show catalogue of all music (only MP3 format, other format file will not show in this catalogue) of memory equipment. Use direction key ◀、 ▶ to forward and backward, direction key ▲、 ▼ is up or next music. When playing music and press “ENTER” may pause playing and press again will

continue playing. Press “EXIT” key will stop play and press again may return to the upper folder.

Play video

Press “Video” folder, the screen will show the files in the memory catalogue(include all folders and MP1,MP2,DIVX,XVID,MPG,AVI and so on, other formats files will not display in this folder).Use direction key ▲、▼ to select the video files or video files, press “ENTER” key to go into the folders or start playing. During Playing, the direction key ◀、▶ is backward 30 seconds and forward 30 seconds, the direction key ▲、▼ is backward and forward(in forward and backward, press “ENTER” to continue play)



During playing, press “ENTER” key to open the video folder menu, could pause/play, zoom, move and open subtitle .Press direction key ◀、▶ to move the arrow, select one operation and press “ENTER” key to confirm(If you need move or zoon picture, press direction key may did, open subtitle need the corresponding subtitle files supports).Press the “EXIT” key may stop play and back to the folder catalogue, press again will back to the upper folder.

Play Photo

Choose "PHOTO" folder and press "ENTER" to go into, the screen will show all contents of memory equipment(include all folders and all photos in JPEG format).Use direction key ▲、▼、◀、▶ to select the photos you need and press "ENTER" to enter into the browse. When you browse the photos, the direction key ◀、▶ is the up or next photo, direction key ▲、▼ is 60 degree rotate.



During playing photos, press "Enter" key to open the submenu of "PHOTO", may "Zoom", "Move", "Fullscreen" and "SlideShow". Press direction key ◀、▶ to select the item, press "ENTER" key to confirm ("Zoom" and "Move", press the direction key may operate; "SlideShow" is switch next picture in several seconds automatically, the time could be set in the setup menu).Press "EXIT" key to stop play, then press again to back to the upper folder.

Recording

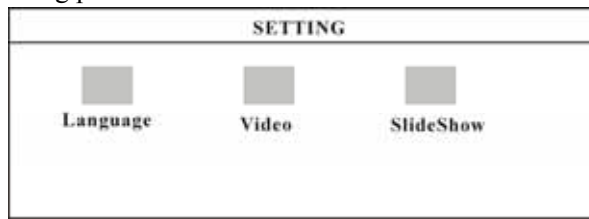
Select "AudioRecorder", press "ENTER" key to enter. The screen will show the HDD information and the left time of voice recording. Press "Enter" key to start recording. The screen will show the recorded time please keep the name of record files is file name and preserved address.

File Browser

Select “Browser”,press“ENTER”key to enter in to the “Brower”catalogue, the screen will show the contents of catalogue of corresponding memory (include all folders and all notified files).Select one file or one folder, press “ENTER” key, may select “Open”or “Delete”. Select “Open” will open the file or folder, select “Delete” will delete the file or folder from the memory equipment.

PMP setting

Select “setting”, press “ENTER” key to enter into the PMP setting catalogue, the screen will display “Language”, “Video”, “SlideShow” submenu. “Language” submenu may setup the OSD language of PMP; “Video” submenu may setup the video system; “SlideShow” show may setup the time of switching picture.



Copy of the files

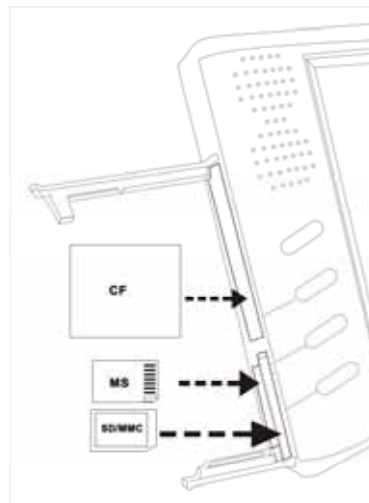
MP1 (VCD) file, the documents in MPEGAV files under root directory in VCD disc, after copying directly to the hard disk, memory card or USB Device, then the player can read.

MP2 (DVD) file, copy all the files from VIDEO-TS folder from DVD disk to the HDD or memory card (all the files needed to preserve in one folder and don't revise the name of the files), then the player will read.

MP3, JPG image and Divx video files, after copying directly to the hard disk, memory card or USB device, then the player can read.

Using Memory Card

SD card& MMC card share 1 card slot; MC card& CF card own separate card slot; the connection guide please refer the right picture.



Using Batteries

Charging when the power is off:

Connect one end of the special power adapter to AC power, and the other end to the player, switch the power button in the player to OFF. Wait a while, the player starts charging, charging, the indicator light will turn green.

Charging when power is on:

In working status (the adapter is supplying power, and batteries are in the player), press CHARGE key on the remote control, the player starts charging, charging indicator(green) is on, charging indication character appears on the screen.

Charging over and abnormal charging:

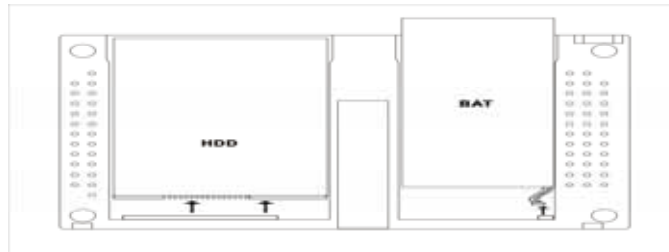
When charging, the indicator (green) starts twinkling, charging is over. Trouble charging indicator(red) is on, charging is abnormal, please check whether charging operations are correct; trouble charging indicator(red) twinkles, over temperature protection for charging is abnormal, please send the player to the nearest after-sales service center for checking, and get rid of troubles.

Batteries of the player could be replaceable, user could buy some extra batteries for longer batteries play time according to their own requirement. Batteries installation only needs to connect the plug well, then close the back cabinet.

HDD and battery installation



Installation

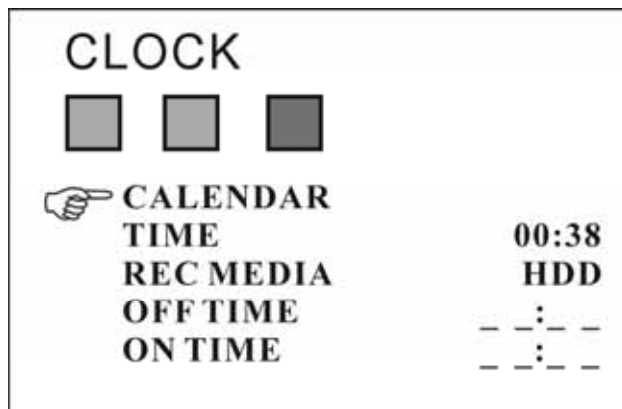


Take out

Please insert the HDD and battery as the picture direction is OK.

Recording

Press the “REC” button to start recording programs, select the position of recording “HDD” or “CARD”, then the player begin to recording, and the recording time will shown on the top left corner of screen. Please press “REC” key and open recording submenu, select “YES” and hold on a few moment, the player will stop recording. The recorded files will be preserved in the “RecVideo” folder, which be named as test0001.avi、 test002.avi and array in this way.



Fixed the time of video recording: If you recording the

Fix time recording: For example, you want to recording the Analog TV channel 3 programs, and transcribes for 2.5 hours in 18:00. Switch on the player, select TV and turn to the channel 3. Press "SETUP" key to enter into the "CLOCK" setup menu. Set the clock as you local clock, and set the position to recording "HDD" or "CARD". You may set the "ON TIME" to 18:00, set the "OFF TIME" to 20:30 (the direction key ▶ to set the hours, ◀ to set the minutes). When the time is 18:00, this player will open and start recording automatically, till 20:30, the player will stop recording and power on automatically.

Notice: Fix time recording only recording the last broadcast channel before power off, please set the channel which need to recording then close the player!

Using AV

1. Connect Audio and Video(NTSC or PAL system) signal source. For video input, please connect special video cable(Yellow Black) to video input jack. For audio input, please connect special audio cable(Red white) to Audio Input Jack.

2. Switch on power.

3. Press MODE key, switch the player to AV mode.

4. Built-in auto system electrical circuit, NTSC or PAL video could be seen clearly.

5. Revolve volume button, could adjust volume.

Trouble Shooting

Please refer below if you come across the following questions

* No sound

1. Check whether the documents are the format which the player supports

2. Check volume control whether it is at minimum position.

3. Check whether sound system of the player is set up correctly.

* No image

1. Check whether LCD key on the remote controller is used to switch off the screen

2. Check whether power is connected well, and whether power switch in the player is on.
3. Check whether batteries have power, if batteries power is not enough, please charge in time.
4. Confirm whether TV is set up correctly (when connected with TV set

*Can not read memory card

1. Check whether memory card is connected well
2. Confirm whether the memory cards are those types to be supported by the player

*Image rolling or without color (when connected with TV set)

Color system set up in the player may not be in accordance with TV set. Please choose color system suitable to your TV set

*Remote Controller does not work

1. Check whether there are barriers between the remote control and the player
2. Point the remote controller to the remote control receiving window in the player
3. Check whether batteries in the remote controller needs to be changed

*Batteries does not discharge

1. Please confirm whether batteries are connected well, and whether there is power in the batteries

2. If there is power in the batteries, it still does not discharge after connected, please use power adapter to supply power to the player, and use CHARGE key on the remote controller to charge the batteries (Take off power adapter from the player when charging LED is on), then switch on power, use batteries to supply power to the player.

*DVD navigation function can't play or bad effect

Please confirm if the download DIVX files were right limited.

*Can't recording or the recorded file can't play

1 . Please format the HDD or memory card to FAT32 format

2 . Please DEFRAGMENT the HDD or the memory card

3 . Please delete or move the files under the "RECORD" folder

Specification

| | |
|--------------|--|
| PMP | |
| Compatible | MP1, MP2, MP3, DIVX(Above 4.0 edition), JPEG etc |
| DVB-T | |
| Tuner | Receiving Frequency: VHF-L, VHF-H, UHF |
| | 6MHz, 7MHz & 8MHz |
| | Input Level: -78 ~ -20 dBm |
| | Input Impedance: 75 Ohm |
| Demodulation | Demodulation: QPSK, QAM16, QAM64 |
| | Wave Type: COFDM(Coded Orthogonal Frequency Division Multiplexing) |
| | Mode: 2K, 4K, 8K |
| | Guard Interval: 1/4, 1/8, 1/16, 1/32 |
| | FEC: 1/2, 2/3, 3/4, 5/6, 7/8 |
| AV output | Video output level: 1.0Vp-p |
| | Video output: 75 Ohm |
| | Audio output frequency range: 20HZ-20KHZ |
| TV | |
| TV System | PAL, NTSC and SECAM |

| | |
|------------------------------|--|
| Receiving Channel | VHF1-12 channels, UHF13-69 channels, CATV |
| Recorder | |
| Format | DIVX |
| Resolution | 720×480(NTSC)/720×576(PAL) |
| Card reader | |
| Compatible | CF, SD, MIMI SD, MMC, RS-MMC, MS, MS PRO, MS DUO |
| Other | |
| USB | USB DEVICE 2.0 |
| Video system | PAL/AUTO/NTSC |
| Audio output (analog audio) | Output Voltage: 1V, load impedance: 10KΩ |
| Video Output | Output level: 1Vp-p, load impedance: 75Ω |
| Switching Power Adapter | AC100-240V, input 12V, 2.5A output |
| Accepted working temperature | 0-40 |
| Power consumption | < 15W |
| Size | 222×123×27 (mm) |

ACCESSORIES

| Standard Accessories | | |
|-----------------------------|--------------------------------------|--------|
| 1 | Power Adapter and Power Cable | 1 set |
| 2 | Remote Controller | 1 pcs |
| 3 | Audio(Red/White)/Video(Yellow/Black) | 1 |
| 4 | Car Power Adapter | 1 pcs |
| 5 | Antenna | 1 pcs |
| 6 | User Manual | 1 pcs |
| 7 | USB2.0 Cable | 1 pcs |
| Optional Accessories | | |
| 8 | Polymer Lithium Batteries | 1 sets |
| 9 | 2.5 inch Hard Disk | 1 pcs |
| 10 | Car Antenna | 1 pcs |
| 11 | Car Installation Bracket | 1 pcs |
| 12 | Table Antenna | 1 pcs |
| 13 | Car Bag/Carry Bag | 1 pcs |

