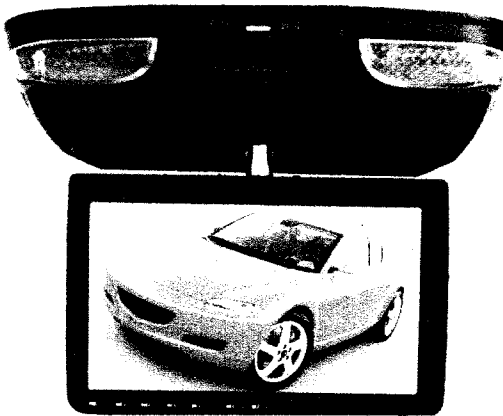


Telar

TFA89W

8. 9" ROOF MOUNT MULTIMEDIA PLAYER



USER'S MANUAL

Before operating this equipment, please read this manual thoroughly and retain it for future reference.

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Please read the manual carefully before using and keep it well for your future reference.

Important instruction for safety:

For your safety, do not turn on, watch or operate the unit while driving. In some countries and regions, it may be against the laws. The product is comprised of many precision electronic components. Self-renovation or disassembling may cause malfunction to the device.

Note:

To reduce the risk of fire or electric shock, do not expose this product to rain or moisture.

High voltage inside! Do not open or dismantle the unit. Do not repair yourself. Refer servicing to qualified personnel.

The product is a laser product. Make sure to read instruction manual before operating.

Do not try to open the covers to avoid direct laser radiation.

When the cover of the unit is opened or the interlocking system gets unlocked, the Laser light can be visible. Direct vision of Laser beam is hazardous to your eyes.

In order to prolong the life of the unit which has a large scale of integrate circuits and precision pick-up device, Frequent Turn On/Off might damage the unit. More than 5 seconds interval is required.

Note:

LCD may have a few color dots, which is common for the matrix display technology, and doesn't indicate defects or faults.

May have noise, color dots when receives the TV, which do not indicate defects or faults. It indicates the signal is weak. Can elongate or adjust the antenna for receiving more clearer image , and then research automatically to get more excellent effect.

Features:

- (1) Ease of installation , Non hazardous design.
- (2) The display unit with built in DVD player.
- (3) Built in USB 2.0 host and MMC/SD card reader.
- (4) Built in wireless FM/IR Audio Transmitter.
- (5) Analog TV receive. Can receive different channel with the antenna.
- (6) Input Channels: 2 Video channels and 2Audio channels input.
- (7) Output Channels: 1Video channels and 2Audio channels output.

Discs for playback

Type	Content	Size
DVD	Video & Audio (dynamic image)	12cm/8cm
VCD	Video & Audio (dynamic Image)	12cm/8cm
CD	Audio	12cm/8cm
Mp3	Audio	12cm/8cm
Mp4	Video & Audio (dynamic Image)	12cm/8cm

Disc-related terms

• **Title (DVD Only)**

The main film content or accompanying feature content or additional feature content, or music album. Each title is assigned a title reference number enabling you to locate it easily.

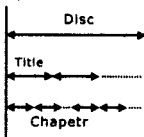
• **Chapter (DVD Only)**

Sections of a picture or a musical piece that are smaller than titles. A title is composed of one or several chapters. Each chapter is assigned a chapter number, enable you to locate the chapter you want. Depending on the disc, no chapters may be recorded.

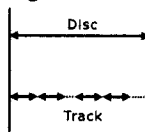
Track (Video CD and audio CD only)

Sections of a picture or a musical piece on a video CD or an audio CD. Each track is assigned a track number, enabling you to locate the track you want.

• **Diagram of DVD disc**



• **Diagram of VCD/CD**



Precaution Safety

Please check the voltage in the car as the machine required before playing. Please hold the plug tightly, and avoid dragging the power cords when insert the plug in or pull out it from the jack.

This machine has laser system which is harmful for the eyes, please do not open the crust. Any repair you need, it is necessary to ask for the specialized personnel.

Placement

The storage temperature ranges from -30°C to $+75^{\circ}\text{C}$, operating temperature ranges from -10°C to $+55^{\circ}\text{C}$.

Please keep the pick-up clean and away the dust. If so, the cleaning disc can help deal with this problem. For detailed operation instructions for cleaning the pick-up, you can consult the user's manual of pick-up cleaning disc.

Do not expose this unit to rain or moisture. Avoid dropping or impact to the unit.

Vapor on convex mirror and Trouble shooting

There's liquid on convex mirror in following cases,
But it is normal phenomena.

Due to sudden change in Temperature and car air-conditioner is turned ON their will be a vapor formation on convex mirror. To de-vaporize it please takeout the disc and power ON the unit about one hour.

Please wipe the machine with soft and dry cloth dipped optional washing liquor in case of scratching the screen.

Note

Handling discs:

Do not touch the playback side of the disc. Hold the disc by the edges so that fingerprints will not get on the surface.

Do not stick paper or tape on the disc.

Storing discs:

After playing, store the disc in its case.

Do not expose the disc to direct sunlight or sources of heat, or leave it in a parked car exposed to direct sunlight, as there may be a considerable temperature increase inside the car.

Cleaning discs:

Fingerprints and dust on the disc can cause poor picture quality and sound distortion. Before playing, clean the disc with a clean cloth. Wipe the disc from the center

out. Do not use strong solvents such as alcohol, benzene, thinner.

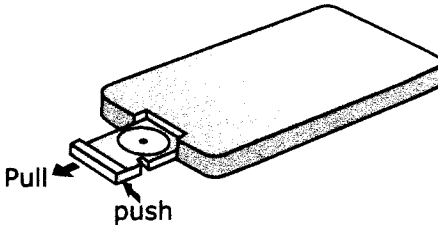


Brief Instructions

Checking the accessories

Fix Board	1
Screw	6
Remote controller	1
User's manual	1

Instructions for Remote control (shown as pictures)



- *Press the catch and at the time pull out the battery tray. Insert the battery, type CR2025 battery with the stamped (+) mark facing upward. Insert the battery tray into the remote control.
- *Direct the remote controller to infrared receiver window of the machine within 60 and 3 meters, without any barriers between them.
- *Commonly, the life-span of the batteries is about one year, always replace the old set of new batteries.
- *Please take out the battery when not using the remote controller for a long time.
- *Please pull out the separation film before when using the remote controller.

Warning:

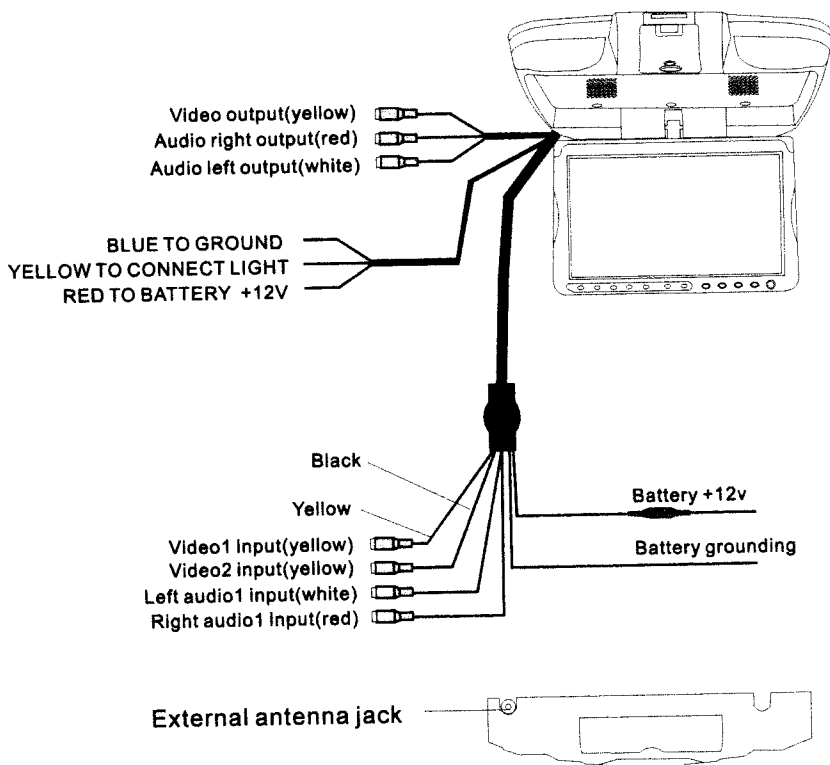
Store the battery where children cannot reach. Do not recharges, short, disassemble or heat the battery or dispose it in fire.

MONITOR INSTALLATION(Professional installation recommended)

- 1.First of all,unscrew the four screws on the mounting plate connected to the unit and take off the mounting plate.
- 2.Fixup the mounting plate on the suitable position If the vehicle with four screws.
- 3.Then install the unit with four screws on the mounting plate to fix the unit.



Diagram connction



Clock setting and light control

Short press the light button to open / close flashlight.
Long press this button for three seconds to enter into time adjustment state.
When the digit on hour position is blinking , short press the same button to adjust the hour, and then long press the button for three seconds to enter into minute adjustment state .
When the digit on minute is blinking , short press the button again to adjust the minute , and then long press it for three seconds to exit.

1. [PBC] Return to master menu.

2. [Previous & Up direction&/Channel-]

In the media player mode, While playing push this button to skip to previous chapter or track
When the LCD screen menu is displayed, Select upwards items.

In TV mode , select upwards adjustment channel items.

3. [Next & Down direction&Channel+]

In the media player mode, While playing push this button to skip to next chapter or track
When the LCD screen menu is displayed, Select downwards items.

In TV mode , select downwards adjustment channel items.

4. [Fast back & Left direction]

In the media player mode, search the disc forward.
When the LCD screen menu is displayed, Select leftwards items. Data decrease adjustment while menu adjustment.

5. [Fast forward & Right direction]

In the media player mode, reverse to search the disc.
When the LCD screen menu is displayed, Select rightwards items.
Data increase adjustment while menu adjustment.

6. Remote receive window.

7. [Play / Pause&Channel+]

Use this button to play or stop repeatedly.

In TV mode , select downwards adjustment channel items.

8. [Stop&Channel-] Stop play file.

In TV mode , select upwards adjustment channel items.

9. [Mode] Press this button to DVD/AV functions switch screen.

10. [Volume-] Press the button to volume down.

11. [Menu] Press this button to display the LCD menu screen.

12. [Volume+] Press the button to volume up.

13. [Power] Press this button to power on and off.

14. IR wireless transmitter.

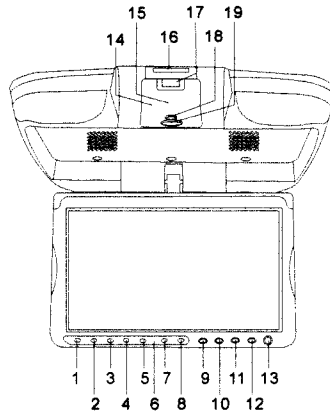
15. Clock display

16. [SD card interface] It is used to insert SD card.

17. [USB port] It is used to insert USB disk.

18. [Time adjustment / flashlight button]

19. [release button] Press the button to release the monitor.



Panel marked image

Control Description

MODE input Control: Need to select the input mode, press the MODE button. In the event of the OSD , press the UP/down button (Panel marked image 2/3) to select the desired mode of entry.

Menu Adjustment Control:

1. Press the MENU button to bring up the on-screen picture control menu.
2. Select the desired menu by pressing the LEFT/RIGHT buttons to change PICTURE-AUDIO-FUNCTION-(TV SYSTEM).
3. Adjust the current settings with the UP/DOWN buttons, then press LEFT/RIGHT on the unit to achieve the desired settings.

The Remote Control Function

1. <POWER> button

The power turns on and off when this button is pressed.

2. <PBC> button

Playback control.

3. <NUMBER> buttons

Press these buttons to input numbers.

4. <DISPLAY> button

Press it to display the disc information.

5. <SUBTITLE> button

Press it to switch the DVD's subtitle languages.

6. <ANGLE> button

Press it to switch the picture's angle.

7. <AUDIO> button

Press it to switch the audio Languages.

8. <SETUP> button

Press it to enter or quit the SETUP Menu.

9. <▲> Up button / Channel+

Select upwards file or music when disc, USB, or SD card is playing.
Select upwards adjustment items while menu adjustment.
In TV mode , select upwards adjustment channel items.

10. <◀> Left button

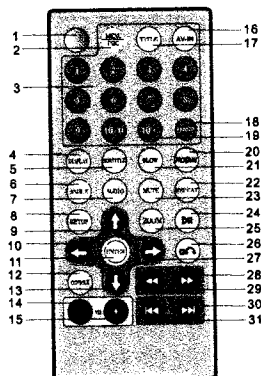
Select leftwards function play when disc, USB, or SD card is playing.
When the LCD screen menu is displayed, Select leftwards items.
Data decrease adjustment while menu adjustment.

11. <ENTER> button

Press it to enter setting.

12. <CONSOLE > button

Press this button to display the LCD menu screen.



The Remote Control Function

13. <V> Up button / Channel-

Select downwards file or music when disc, USB, or SD card is playing.
Select downwards adjustment items while menu adjustment.
In TV mode, select downwards adjustment channel items.

14. <VOL-> volume

press this button to volume down.

15. <VOL+> volume

press this button to volume up.

16. <AV-IN>DVD/AV buttons

Press these buttons to DVD/AVTV/ functions switch screen.

Press these buttons to DVD/AV functions switch screen.

17. <TITLE> button

Press this button to display the DVD's title.

18. <SEARCH> button

Locating a title/chapter/time and playing.

19. <10+> button

Press this button to select a program of which the sequence number on the disc is more than 10.

20. <Program> button

Use this button to program individually.

21. <SLOW> button

Press this button slow playback at 1/2, 1/4, 1/6, 1/8 speed.

22. <REPEAT> button

For DVDs use it to play title or chapters repeatedly.
For CDs, use it to play tracks or the entire disc repeatedly.

23. <MUTE> button

Press the button during playback to stop the audio output. Press it again to resume.

24. <Play/Pause> button

Use this button to play picture or sound or stop temporarily.

25. <ZOOM> button

Zoom in or zoom out the picture on screen.

26. <STOP> button

Press this button to stop playback of the picture or sound

27. <=>right button

Select rightwards function play when disc, USB, or SD card is playing.
When the LCD screen menu is displayed. Select rightwards items.
Data increase adjustment while menu adjustment.

28. <=>Fast forward

Press this button to enter into fast forward state when disc,USB,or SD card is playing.

29. <=<Fast back

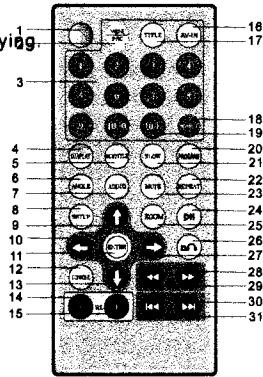
Press this button to enter into fast back state when disc,USB,or SD card is playing.

30. <=>Next music button

Press this button to select the next music when disc,USB,or SD card is playing.

31. <=<Previous music button

Press this button to select the previous music when disc,USB,or SD card is playing



Basic Operation

Make sure that you have correctly connected your unit as described earlier in this book.

Turn on the power, and place the disc in.

- 1 press power button to turn ON (Power Indicator is OFF), display is ON and player will start loading the disc.
- 2 Press Open button to eject the disc tray out, then insert the disc, press again Open button to close.



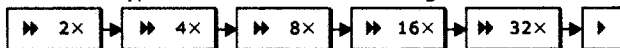
The player will recognize the different formats of the discs, and disc mark will be displayed on the top left side of the screen.

- 3 While playing DVD discs, please select one item in DVD menu or title menu. while playing VCD2.0 or CD, this player plays one by one.
- 4 Press Direction Buttons or the Number Buttons to select the desired item, then press Enter or Play to start.
- 5 The player will play automatically. Press Pause to stop temporarily, press again Pause or Play to cancel pause. while playing DVD disc, press stop for memory stop, press Play for memory play, press Stop twice to stop playing.

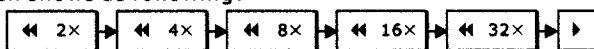
Note: To stop playing DVD by pressing Stop for twice.

Fast Forward/Fast Backward

While DVD disc is playing, Press Fast Forward to play at 2X, 4X, 8X, 16X, 32X speed circularly, screen shows as following:



Press Fast Backward to play at 2X, 4X, 8X, 16X, 32X speed circularly, screen shows as following:



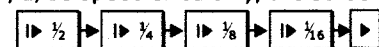
Press Play to shift to normal playing mode.

Slow

While DVD disc is playing, press Slow button, picture shows at 1/2, 1/4, 1/8, 1/16 speed circularly, the screen shows as following:



While VCD disc is playing, press Slow button, picture shows at 1/2, 1/4, 1/8, 1/16 speed circularly, the screen shows as following:



Note: Press Play to shift to normal playing mode.

Previous/Next

To select previous item or chapter by pressing Previous button, to select next item or chapter, press Next button.

Note:

When a title on a disc has more than one chapter or a disc has more than one track, using chapter function can move to another desired chapter/track to play. If there is no Chapter/track on the disc, the above functions will be disabled automatically.

Functions Particular Explanation**Menu/PBC**

- (1) Press Menu/PBC to return to the main menu or the Title menu while playing DVD disc.
- (2) While playing VCD disc, Press Menu/PBC to turn PBC on or off. (Unfunctional in DVD disc playing)
- (3) Only return to the main menu to select one song in PBC-on mode.
- (4) Pressing Number buttons to select one song in PBC-off mode.

Title/Return

- (1) While playing DVD disc, press Title to enter into title menu directly, select the desired item by pressing the Direction buttons or Number buttons.
- (2) While playing VCD2.0, press Title to return to previous menu; however this function is disabled in PBC-off mode (Only for functional disc).

DVD/TV/AV

Press DVD/TV/AV, it will display a dialogue as below



It is the inter change menu between DVD mode , AV IN , TV IN mode and MEDIA mode. Select DVD , will enter to DVD mode , You can load a disc and will play ,select AV IN ,will enter to AV IN mode .select TV IN ,will enter to TV IN mode . When USB or SD/MS found , you can select media and then choose USB or SD/MS to play.

Display

User can check the elapsed time or remaining time of current title and chapter by Display button, Press Display button continuously, the screen shows as below:

(1) Playing DVD disc

Press Display for the first time, screen shows the elapsed time of current title.

Title 03 / 10 Chapter 01 / 04 0:06:39

Press Display for the second time, screen shows the remaining time of current title.

Title 03 / 10 Chapter 01 / 04 0:37:34

Press Display for the third time, screen shows the elapsed time of current chapter.

Title 03 / 10 Chapter 01 / 04 0:07:16

Press Display for the fourth time, screen shows the remaining time of current chapter.

Title 03 / 10 Chapter 01 / 04 0:03:26

Press Display for the fifth time to exit.

(2) Playing VCD discIn PBC ON mode

Press Display for the first time, screen shows the elapsed time.

Title 00/10 Chapter 00 / 04

Press Display for the second time, screen shows the remaining time.

Title 03/10 Chapter 44 / 04

Press Display for the third time to exit.

(3) Playing VCD discIn PBC Off mode

Press Display for the first time, screen shows the elapsed time of the current item.

Track 01/01 00 :04

Press Display for the second time, the screen shows the remaining time of the current item.

Track 01/01 45 :04

Press Display for the third time, the screen shows the elapsed time of the entire disc.

Track 01/01 00 :24

Press Display for the fourth time, the screen shows the remaining time of the entire disc.

Track 01/01 45 :24

Press Display for the fifth time to exit.

Search

Press Search, input a title, a chapter or a time, the player starts playing from the desired point to the end point.

Playing DVD disc:

(1) Search a title or a chapter

Press Search, screen shows as below:

Title 00 / 10 Chapter 00/04

Press Left or Right to select one title

For example: press Number button 3 to select title 3, select Chapter 1 by pressing Direction Buttons, the screen shows:

Title 03 / 10 Chapter 01/04

(2) Search by time

Press Search, screen shows:

Title 03 / 01 time : :

Title 04 / 01 time : :

For example: Press Number button to input 0, 1, 0, 6, 1, 8, the player will play from the point at 01:06:18

Title 08 / 10 time 01:06:18

(3) Playing VCD disc

Press Search to check the elapsed time for the entire disc, the item and the current item during VCD disc playing.

Press Number button to input a time, the player will play from the point you've selected.

Subtitle

While playing DVD disc with multi-subtitles, choose the desired subtitle, it shows on the screen.

○ Will show on the screen when this feature is not available on the disc.

Note: This feature setting is valid only for the current disc. the subtitle language can be changed from DVD setting menu.

Audio

There is multi-language feature while DVD disc is playing.

When playing discs with this function, you can select the desired voice by pressing Audio.

The left audio, right audio and the stereo shows on the screen while playing VCD disc. You can select the desired one when playing story disc with dual languages.

Note: This feature setting is valid only for the current disc which has multi-language settings.

ANGLE

If the disc contains scenes recorded at different camera angles, you can change to a different camera angle during playback. Press ANGLE repeatedly during playback to select a desired angle. (Only for the functional disc)

○ will show on the screen when this function is not available on the disc.

Zoom

In this mode, the dynamic or still picture can be zoomed in at most by 4 folds. Press Zoom for three times, the picture is zoomed in by 2X, 3X, 4X folds per order. And press Zoom again to return to the normal playing mode.

Repeat

(1) While playing DVD disc, press Repeat for the first time to repeat playing one chapter, press Repeat for the second time to repeat playing one title, press Repeat for the third time to repeat playing the entire disc, and press Repeat to cancel.

(2) In PBC off mode:

While playing VCD disc, press Repeat for first time to repeat one song. Press Repeat for the second time to repeat the entire disc. Press Repeat for the third time to cancel.

Direction Buttons

Press Direction Buttons to make free selection in title, content and setup menu easily.

Note: Direction buttons on the player can perform Fast Forward/Fast Back ward, Previous/Next functions.

FM

Press FM to transmit sound through car FM transmit audio, at the same time sound can be transmitted by the build-in speaker in the mode of DVD. Press FM continuously to find a matched transmitting frequency which shows on the radio screen.
(this unit has multiple frequencies)

Note: Sound will be transmitted only through the build-in speaker when it is in AV and TV mode.

Mute

Press Mute button to set mute on or mute off .

CONSOLE

use to achieve the desired settings

CONSOLE that will display the select subtitle, press up/down/left/right button can adjust its value and the transmitting frequency.

After adjusts the parameter, then presses CONSOLE to return, the parameter can automatically remember.

Notice :The parameter remembered ,for finally switch machine front parameter The hypothesis replacement for the plant time establishes the user datum reference, all functions carry on the replacement FM transmitting, press +, - to adjust the transmitting frequency

Setup

The setup page includes General Setup, Password Setup, Preference Setup Page and Exit.

Setup page will show on the screen by pressing Setup.

Operating methods:

Press Setup to enter into Setup page,

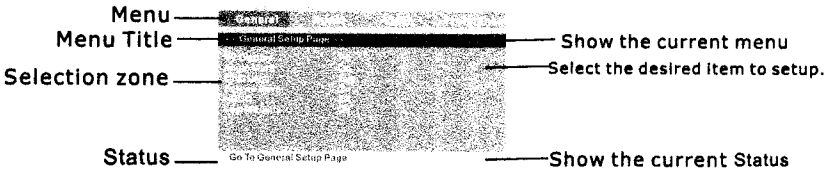
Move up/down to select the desired item,

Move left/right to select the desired item,

Press Enter to confirm

To exit setup by pressing Setup again, or select Exit in setup menu

(show as pictures):

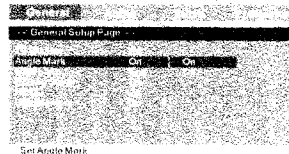
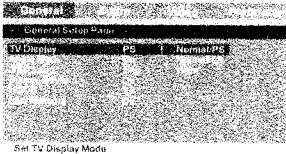


General Setup page

(1) TV Display

(2) Angel Mark

When Angel Mark is on, user can select a special angle for watching (only for discs with this function)

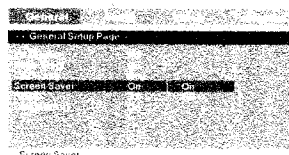
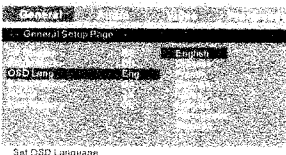


(3) OSD Language

It is available for the user to select one language for both the entire setup menu and the OSD language.

(4) Screen Saver

Screen saver is to protect the screen from aging and extending its life-span. Screen Saver will be enabled while playing stops or the picture keeps unmoving for minutes.

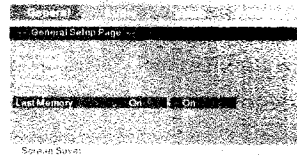
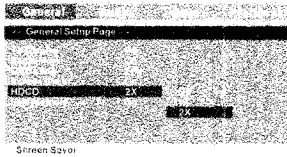


(5) HDCD

Optional CD audio bit rate selected

(6) Last Memory

Disc will be played from the latest stop position in Memory-play-on mode.



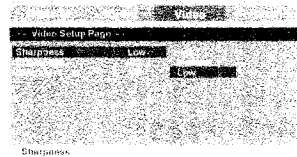
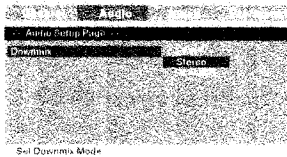
Audio/Video Setup page

(1) DOWNMIX

Select Play a sound model of the disc.

(2) Sharpness

Raise or lower the image sharpness.



(3) Brightness

Raise or lower the image brightness.

(4) contrast

Raise or lower the image contrast.



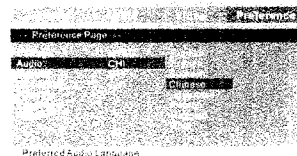
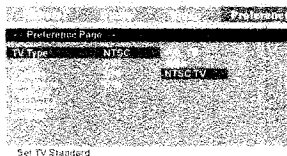
Preference Setup Page

(1) TV Type

(2) Audio

Please operate by setup menu.

Audio will be in English, French, Spanish, Chinese, Japanese, Korean, Russian and so on depending on the discs.



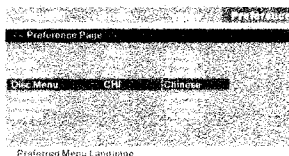
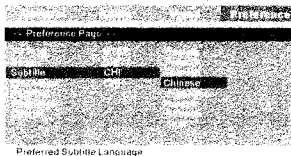
(3) Subtitle

Subtitle will be in English, French, Spanish, Chinese, Japanese, Korean, Russian and so on depending on the discs. User can either hide the subtitle or choose any subtitle language while playing DVD discs.

(4) Disc Menu

Disc has different languages such as French, Spanish, Chinese, Japanese, Korean, Russian, and so on, these languages can be played by this unit. And user can select any language from disc menu.

Note This function is valid to the discs which has multiple languages.

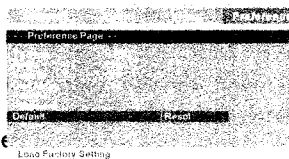
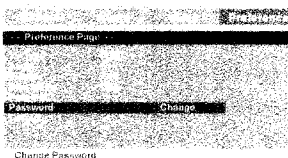
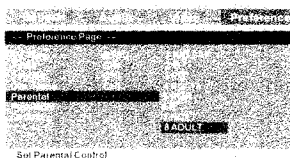


(5) Parental

Movies on DVD may contain scenes not suitable for children. Therefore, discs may contain Parental Control information that applies to the complete disc or to certain scenes on the disc. These scenes are rated different levels, more suitable scenes are available for selection on some discs. Ratings are country-dependent. The Parental Control feature allows you to prevent discs from being played by your children or to have certain discs played with alternative scenes.

(6) Password

The original password is 8888; please select Password to input yours.



(7) Default

Select default to restore original factory settings.

Mp3

Basic Operation

MP3 can be played by List mode, Program mode and normal mode.

Select one mode during stop. Press Repeat to play, repeat playing one song or play by list.

Disc/MP4 Playing

- (1) Place the disc to the loader correctly, player begin to search the disc messages and enter into Normal Playing Mode.
- (2) Move Direction Button or use the Number button to select the desired item in submenu, Press Play to start.
- (3) Press Stop first, press Direction Button to select other submenu

Other Functions

Mute, Vol control, previous/next functions can be controlled directly from unit while MP3/MP4disc/Audio CD is playing.

JPEG

This unit can play the Picture in JPEG format. JPEG is the most popular picture compressing format currently.

Press Number Buttons to Select Pictures

- (1) Place the disc in the loader correctly, and the player starts searching messages, signal shows on the screen.
- (2) Press Number buttons to select the picture album.

Make selection by the disc menu

- (1) Place the disc to the loader correctly; player starts searching messages, Main menu shows on the screen, select from NO.1 by Direction Button, press Play to confirm.
- (2) Press Direction Buttons to select picture in current picture album, press Play to start
- (3) Press Direction Buttons to select other pictures during stop.
- (4) Return to previous menu by selecting File during stop. Then Press Play.

USB/MMC/SD/MS

INSERT MMC/SD/MS ore Connect USB , press MODE button ,whe MMC/SD/MS or USB fonnd. You con select media and then choose MMC/SD/MS or usb to play.

Note:plecse do not use the removable hard disk. This will lead to abnormal working.

Trouble Shooting

Please consult the Trouble shooting sheet to deal with these problems when you are in trouble:

No Sound or bad sound effect

Please check if cables are connected properly

Please check audio shift setup.

Please check if the receiving frequency match the transmitting frequency.

No Picture

Check if cables are connected properly.

Video input is connected correctly.

The monitor is on or off.

Poor picture

The color is not properly adjusted; please operate the remote controller to adjust it

The disc is scratched or spotted.

The player does not work, or no disc

Insert the disc.

Check if the disc is placed up side or not , place the disc with the playback side down .

The disc is dirty. Clean the disc

The unit is with moisture inside, take off the disc and turn off the for about one hour .

Disconnect the power cord and plug the power cord into the wall outlet securely again to reset unit.

The remote control does not work properly

Remove any obstacles between the remote control unit and the remote sensor check if remote control point to receiver or not.

The batteries in the remote control are exhausted. Replace the batteries with new ones.

Note:Please contact with the dealer or approved service center for service if the troubles can't be solved by the methods offered.

Technical Specifications

Panel	TFT-LCD
Screen Size	8.9 inch (16:9)
Pixel	480 X 3(RGB) X 234
Temperature	Operation temperature -10°C~55°C; Storage temperature -30°C~75°C
Backlight	Cold Cathode Fluorescent Lamp
Brightness	350cd/m ²
Color System	PAL/NTSC/
Menu	English OSD Menu
Input impedance	75 OHM
Media types	CD-DA,VCD ,SVCD,DVD-VIDEO,MP3,WMA,JPEG,MPEG1/2/4,DivX
Discs	DVD,DVD-R,DVD-RW,CD,CD-R,CD-RW,DVCD
Memory cards	MMC,SD,MS
USB	USB 2.0
Audio S/N	> 80 dB
Isolation	> 65dB
Audio Input/Output	1.6V±20%
Video Input	1Vp_p±20%/75ohm
TV Input	75ohm
Power supply	DC12V
Power consumption	≤12W
Product Dimension	260X227X55 mm
Product N.W	1.5Kg

Your attention please:

The design and specifications are subject to change without any notice.

Compatible with
DVD/SVCD/DVCD/VCD/CD/MP3/MP4/JPG/DIVX

MADE IN P.R.C