

FLIP DOWN MONITOR/DVD PLAYER

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USER'S MANUAL

Compatible with MP4/DVD/VCD/CD/MP3/CD-R/CD-RW

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.

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Yours attention please:

If you had buy the unit just monitor without DVD function will not include USB/SD/FM/GAME.

Technical Specifications

Screen Size	8.5 inch	9 inch	10.2 inch
Panel	TFT-LCD		
Pixel	480*(RGB)*234	640*(RGB)*234	800*(RGB)*480
Temperature	Operation temperature $-10^{\circ}\text{C}\sim 55^{\circ}\text{C}$; Storage temperature $-30^{\circ}\text{C}\sim 75^{\circ}\text{C}$		
Backlight	Cold Cathode Fluorescent Lamp		
Brightness	350cd/m ²		
Color System	PAL/NTSC/Automatically		
Discs	Mp4, DVD, VCD, CD, MP3, CD-R, CD-RW, DVD-R, DVD-RW, DVCD		
Resolution	≥ 500		
S/N	$\geq 90\text{dB}$		
Isolation	$\geq 65\text{dB}$		
Audio Input/Output	$1.6\text{V}\pm 20\%$		
Video Input/Output	$1\text{Vp_p}\pm 20\%$		
Power supply	DC12V		
Power consumption	$\leq 12\text{W}$		

Your attention please:

The design and specifications are subject to change without notice,

The player does not work, or no disc

Insert the disc or not

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

The disc is dirty. Clean the disc

The unit is moisture inside, take off the disc and power off unit 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

There is an obstacle in the path of the remote control and this unit.

Remove the obstacle. 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 help if the troubles can't be solved by the methods offered.

Features:

- (1) Easy of Installation, Non hazardous design
- (2) The display unit has built in DVD player.
- (3) Built in IR wireless and FM Modulator transmitter.
- (4) AV input/output
- (5) Support USB/SD
- (6) Wireless Games controller (Optional)

Discs for playback

Type	Icon	Content	Size
MP4	MP4	Audio/Video	12cm/8cm
DVD		Video & Audio (dynamic image)	12cm/8cm
VCD		Video & Audio (dynamic image)	12cm/8cm
CD		Audio	12cm/8cm
MP3	MP3	Audio	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.

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°C , operating temperature ranges from -10°C to 55°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

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 adjust the receiving frequency to harmonized with the transmitting frequency.

No Picture

Check if cables are connected properly.

Video Input is not yet set up 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.

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.

there 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.

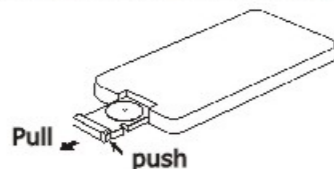
Storing discs:

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.



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 5 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 a fire.

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 Playing /MP4

- (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.
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 disc/Audio CD is playing.

JPEG

This unit can play the Picture CD 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

TFT/MENU

Methods of adjusting Brightness, Contrast, Color, VOL, Invert LCD, FM OFF/ON.

Step 1

Press MENU to select Brightness, Contrast and Color, etc.

Step 2

Press +, - to adjust.

Step 3

Press MENU to return, and the setup you make will be memorized automatically.



Brightness



Contrast



Color

RESET

Note: The player always continues the latest setup. Reset made by factory is for user's reference.

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,

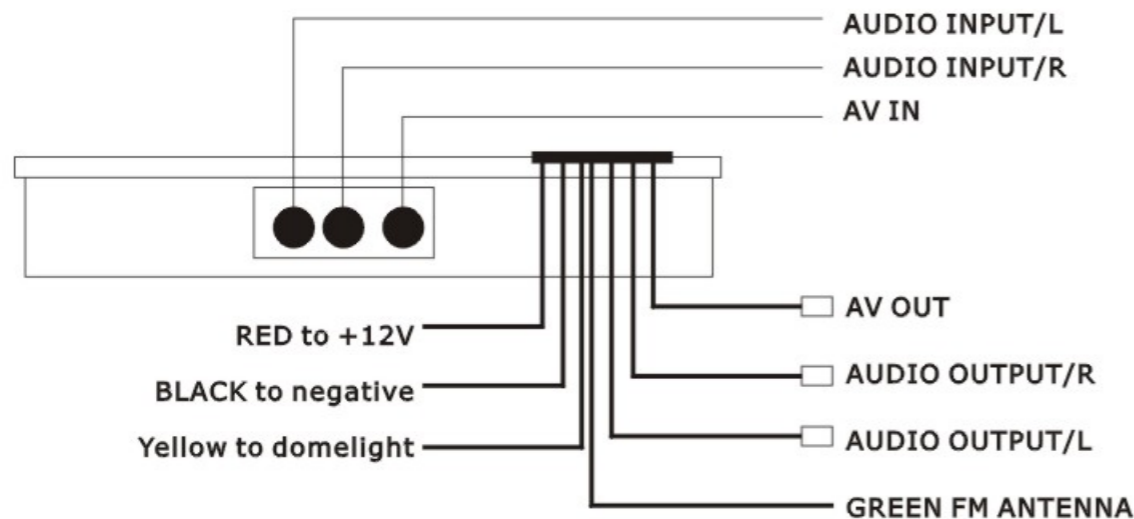
Press Enter to confirm

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

Installation and connection Method

- | | | | |
|-----------------|-------------------|-----------------|-------------------|
| 1) Power on/off | 6) Domelight | 11) Play/Pause | 15) Fast Forward |
| 2) MENU | 7) SD card reader | 12) Previous | 16) Fast Backward |
| 3) Domelight | 8) Decrease | 13) Next | 17) OPEN |
| 4) USB Port | 9) Increase | 14) Disc In/Out | |

CONNECTION SKETCH METHOD



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 Backward, Previous/Next functions.

Program

Press Program to enter into program menu, input the number of the title, the chapter or a song.

Press direction button to select the track you want to start playing.

To cancel program function, press Program to enter into program menu and Press Repeat Program to cancel.

Mute

Press Mute one or more to select mute on or mute off.

SD/FM

Press this button continuously to find a matched transmitting frequency which shows on the radio screen.

(this unit has multiple frequencies from FM 87.7, 87.9 to FM 89.1)

Note: Sound will be transmitted only through the built-in speaker when it is AV input mode.

AV/DVD

Press AV to shift from disc-playing mode to AV or AV to disc-playing mode, when there is no signals, the screen will be blue.

Note: Once the unit restarts in AV mode, it will be disc-playing mode.

A-B

While playing DVD/VCD disc, press A-B for the first time to repeat playing one chapter, \odot A appear in screen, press A-B for the second time to repeat playing A-B chapter, \odot AB appear in screen, press A-B for the third time to cancel

Zoom

In this mode, the dynamic or still picture can be zoomed in/out at most by 4 folds. Press Zoom for three times, the picture is zoomed in by 2X, 3X, 4X 1/2, 1/3, 1/4 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.

Remote control Panel

Basic Operation

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

Turn on the power,
the screen show picture as below:



- Select <DVD>, The player will recognize the different formats of the discs, and disc mark will be displayed on the top left side of the screen, Press Direction Buttons to select the desired item, then press Enter.
- Select <AV IN>, display the video input signal
- Select <GAME>, display blue screen if unit without built in this function. Otherwise will show GAME menu.
- Select <MEDIA>, display <NO MEDIA> if without insert the USB/SD, show picture as below:



- The player will play automatically. Press Pause to stop temporarily. Press again Pause or Play to cancel pause. While playing DVD disc, press Stop to stop playing.

Note: Press Direction buttons to select the desired item then press Enter.

Track 01/01 45 :24

Press Display for the fifth time to exit.

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.

R/L

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.

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 disc In 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

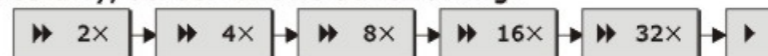
Press Display for the third time, the screen shows the elapsed time of the entire disc.

Track 01/01 00 :24

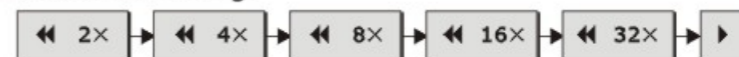
Press Display for the fourth time, the screen shows the remaining time of the entire disc.

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.

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 Explanation

Menu/DVD

- (1) Press DVD 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).

Display

User can check the elapsed time or remaining time of current title and chapter by pressing Display, Press Display 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 disc In PBC ON mode

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