

DVD PLAYER

OPERATION INSTRUCTIONS

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Precautions

To avoid injury or accident, read the following precautions before installing and operating the unit

On safely

Comply with the Traffic Laws in your country

You must not watch or operate the monitor while driving. It may lead to distraction and cause an accident. Park your car in a safe place to watch the monitor and operate the unit.

Do not insert your hand; finger or other object into the unit while the monitor is functioning. It may cause injury or damage to the unit. Keep small articles beyond the reach of children

Do not touch the TV antenna and monitor when thunder storming to avoid electric shock.

If long time on the sun, allow the unit to cool off before operating it.

On installation

A qualified technician or service personel should install this unit.

If the unit does not work properly, check the connections first. If everything in order, check the fuse.

Improper installation may cause battery drain or a short circuit.

Replacing the fuse

When replacing the fuse, be sure to use only a fuse of the same rating (ampere rating)

Using a different fuse or bridging the contacts with wire is highly dangerous and can lead to serious damage.

Protecting unit surface from damage

Do not expose the unit surface to chemicals such as insecticide, hair spray, insect repellent, etc.

Precautions

Do not leave rubber or plastic materials in contact with the unit for a long time. Otherwise the finish of the unit may be impaired, or deformation may occur.

When installing, be sure to turn the ignition key to off position. If the ignition is on installing this unit may cause battery drain or a short circuit.

When installing, any damage to parts such as pipes, tubes, fuel tank or wires can cause a fire or an accident.

Moisture condensation

If the ambient temperature of the unit changes rapidly, moisture condensation may occur inside the display window. Wait for a while, until the moisture evaporates and unit returns to normal.

Installing location

Do not install this unit where:

The driver's view will be obstructed.

The operation of the car or the airbag system will be obstructed.

It will obstruct the operation of the vehicle, especially the steering wheel, shift lever or brake pedal.

About unit

playable discs

DVD, Video CD and CD discs that display the logos shown below can be played back on this player

DVDaudio



VCD



DVDvideo



CD



Precautions

Resetting the microprocessor

pressing RESET lets you reset the microprocessor to its initial settings without changing the condition memory.

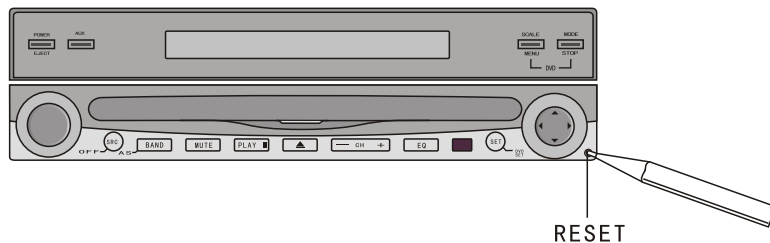
The microprocessor must be reset under the following conditions:
prior to using this unit for the first time after installation

if the unit fails to operate properly

when strange or incorrect messages appear on the display.

1、turn the ignition switch off.

2、press RESET with a pen tip or other pointed instrument.



! Notes:

when using with this unit, if you press reset, be sure ACC OFF is selected, if ACC ON is selected, correct operation may not be possible even if you press RESET.

Precautions

Removing the lithium battery

Under normal conditions, batteries will last approximately 1 year. (The service life may be shorter, depending on the conditions of use.) When the battery becomes weak, the range of the card remote commander becomes shorter. Replace the battery with a new CR2025 lithium battery. Use of any other battery may result in a risk of fire or explosion

Notes on lithium battery

Keep the lithium battery out of the reach of children. Should the battery be swallowed, immediately consult a doctor.

Wipe the battery with a dry cloth to assure a good contact.

Be sure to observe the correct polarity when installing the battery.

Do not hold the battery with metallic tweezers, otherwise a short-circuit may occur.

! WARNING

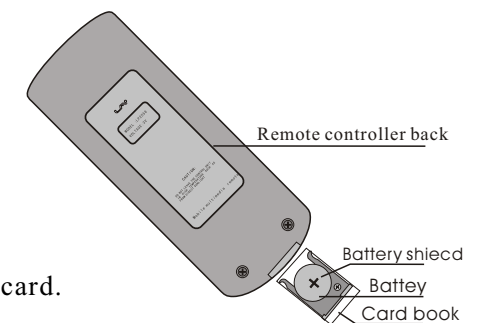
Battery may explode if mistreated. Do not recharge, disassemble, or dispose of it in fire.

Removing battery

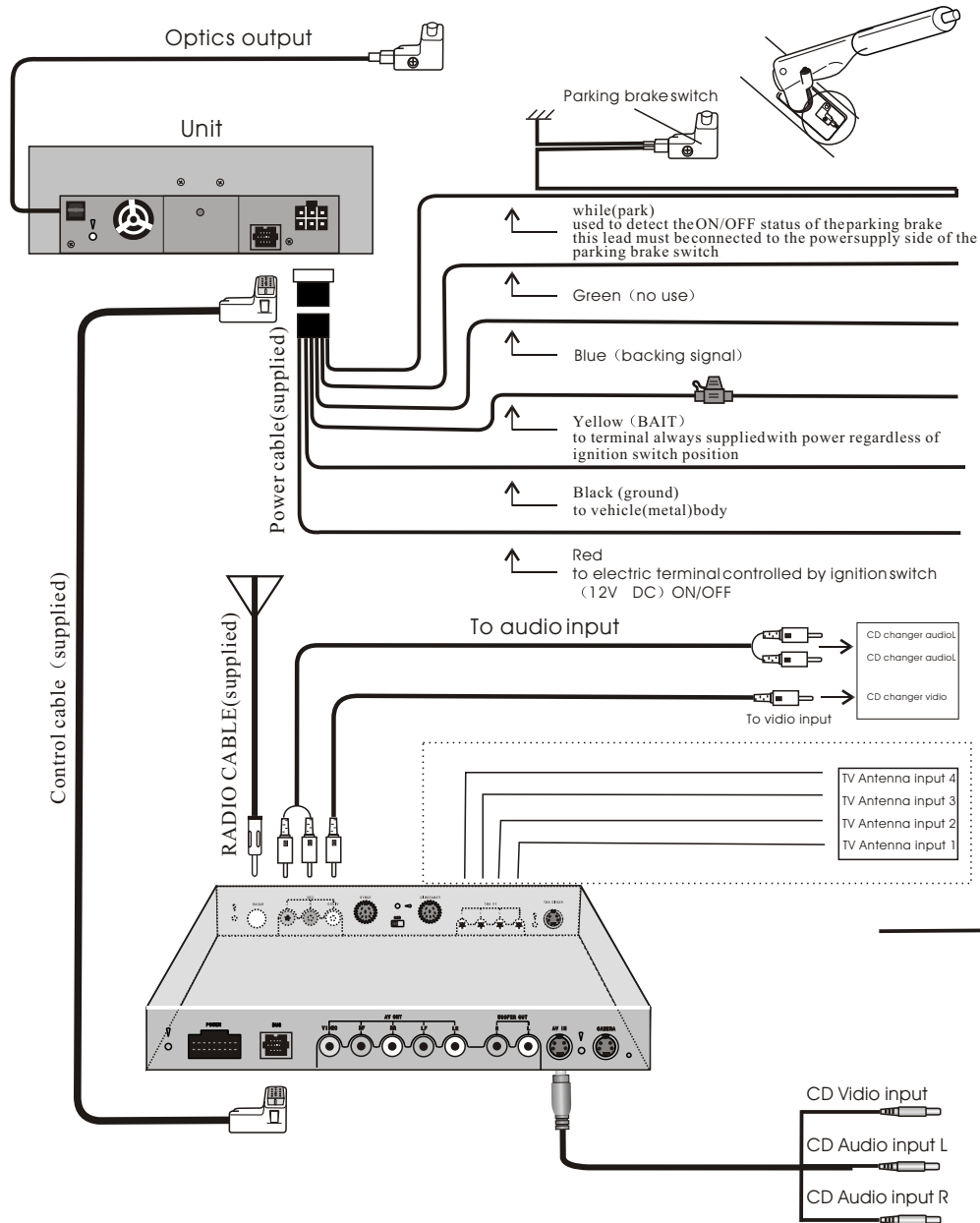
- ◇ Take out battery shield card
Press card and pull outward and take out the battery card.
- ◇ Replace battery

Hold battery with anode upward, and then place it into battery shield card.

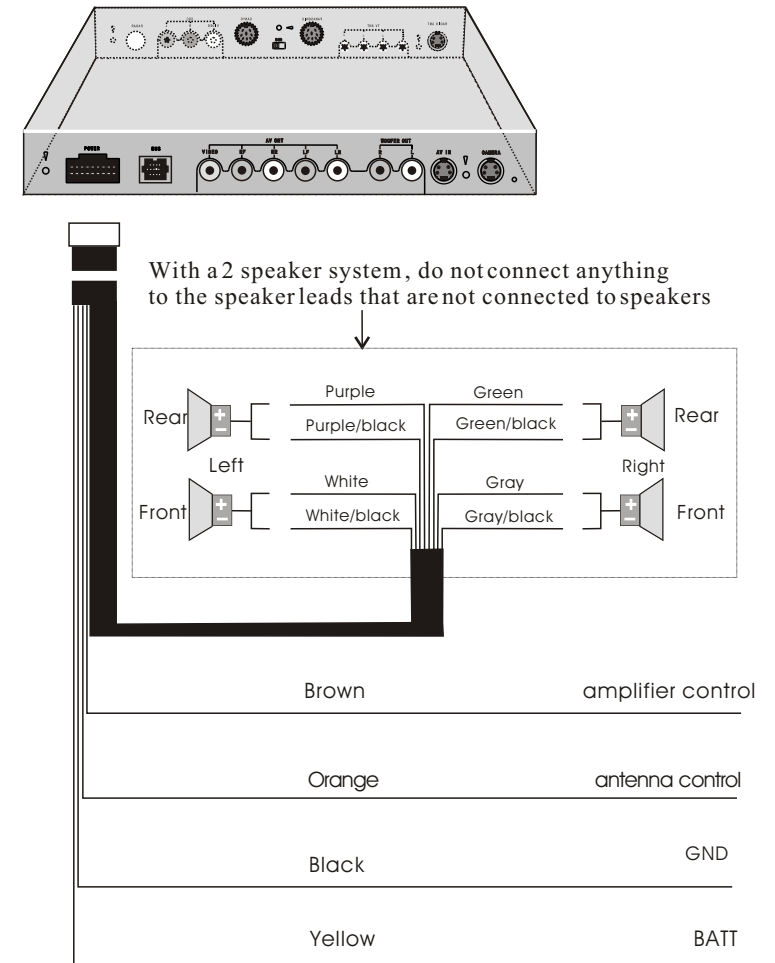
- ◇ Insert battery shield card.
Push card to original position.



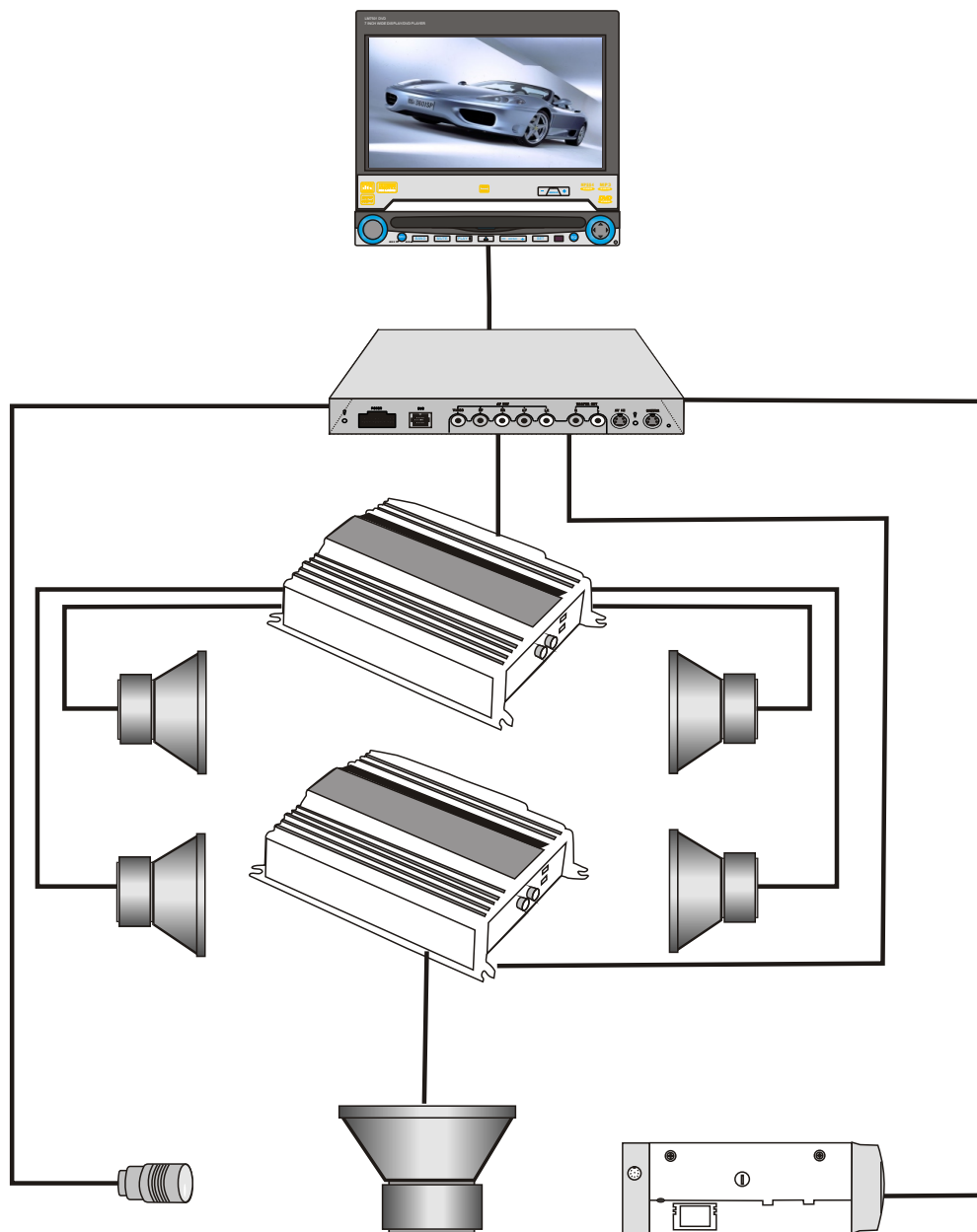
Connection instructions



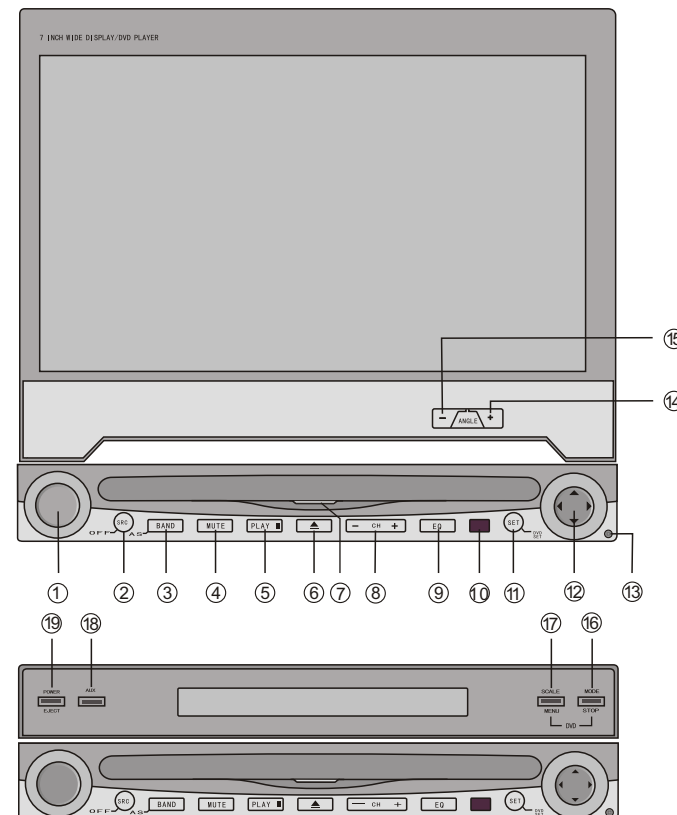
Connection instructions



Connection instructions



Host equipment



Host:

1、 VOLUME

Rotate to increase or decrease the volume ,touch it display the volume menu, to select bass、 treble、 left/right balance.

2、 SRC button

The unit is turned on by selecting a source, Touch to cycle through all of the available sources(DVD/CDC/TV). Press the button to close the monitor.

3、 BAND button

Touch the button to cycle through all of the band (FM1、 FM2、 AM), press the button to automatic seeking (AS).

4、 MUTE button

press the button to repeatedly ,the function will be MUTE and NOMUTE.

5、 PLAY button

Touch the button to display DVD, press to pause it.

Host equipment

6、▲ (eject) button

Press to eject a disc from the unit..

7、DVD disc direction

8、CH(channel)(+/-)button

DVD fast forward, CDCchange disc, TVor RADIO channel conversion.

9、EQ button

Touch to cycle through to select standard、classical、jazz、rock.

Press to track conversion ,the function will be (R+R,L+L,STEREO)

10、Receiver for remote.

11、SET button

12、joystick

Move to do manual seek tuning, fast forward reverse and track search controls, also used for controlling functions.

13、reset button

Press to return to the factory settings(initial settings)

14、15 ANGLE(+/-)button

Press to change the LCD panel angle.

16、MODE button

Touch to select picture mode . custom/softness/brightness.

Press to stop DVD display.

17、SCALE button

Touch to adjust picturescaleFULL,WIDE,CENTER,ZOOM.

Press to display DVD menu.

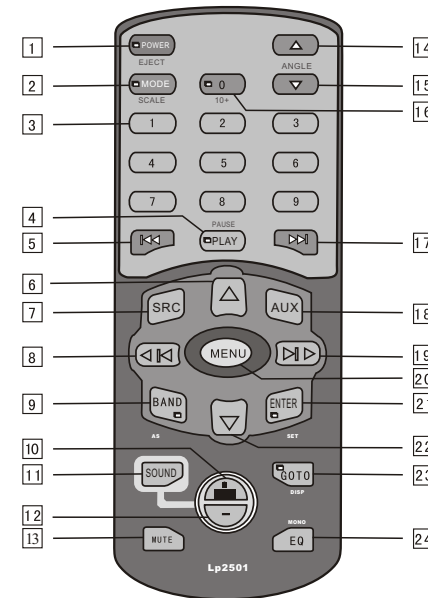
18、AUX button

Touch to cycle the AUX and camera input available .

19、POWER/EJECT button

Touch it to close the monitor, press it to close the monitor and the monitor takes back.

Card remote commander



1、POWER/EJECT button

POWER () /EJECT ()
Touch the button to close the monitor and the monitor takes back.
长按关闭系统且收回内置LCD, 待机时按该按钮开启系统且弹出CD

2、MODE button.

Touch to select picture mode . Custom /softness/brightness.

Press to adjust picture scale full/wide/center,zoom.

3、number button

4、PLAY button

Touch the button to display DVD, press to pause it.

5、17 CH(channel) (+/-)button

DVD fast forward, CDCchange disc, TVor RADIO channel conversion.

6、menu select button(+)

7、SRC button

8、mune reverse button(-)

9、BAND button

Touch the button to cycle through all of the band (FM1、FM2、AM), press the button to automatic seeking (AS).

10、VOL+ button

11、SOUND button

touch it display the volume menu, to select bass、treble、left、right balance.

12、VOL(-)button

13、MUTE button

press the button to repeatedly ,the function will be MUTE and NO MUTE.

14、15 ANGLE(+/-)button

press to change the LCD panel angle

16、number button (0)

press like this “10+ ”

18、AUX button

Touch to cycle the AUX and camera input available .

19、menu reveise(+)

20、MENU

21、ENTER button

22、menu (-)

23、GOTO button

24、EQ button

Basic operations

SRC

Press source repeatedly to switch to switch between the following sources:

DVD-----TV-----CDC

Display DVD discs

- Press SRC choose DVD, insert a disc into the disc loading slot. Playback will automatically start.

To eject a disc, press eject.

NOTE:

- The DVD player plays one, standard, 12cm or 8cm (single) disc at a time, do not use an adapter when playing 8cm discs.
- Do not insert anything other than a disc into the disc loading slot. Discs which can be played back are listed on playable discs on page 8.
- If you cannot insert a disc completely or if after you insert a disc does not play, check that the label side of the disc is up. Press eject to eject the disc, and check the disc for damage before inserting the disc again.
- If the DVD player does not operate properly, an error message such as error -02 may be displayed,

Adjusting the volume

use volume to adjust the sound level.

- With the head unit, rotate volume to increase or decrease the volume
- With the remote control, press volume to increase or decrease the volume.

Basic operations

LCD

Press SRC button to close the monitor

Touch POWER/EJECT button on the remote to close the monitor

Press POWER/EJECT button on the remote to choose the monitor, and the monitor takes back.

Opening and closing the LCD panel

1、Opening LCD panel

Press POWER/EJECT button.

2、Closing LCD panel

Press POWER/EJECT button.

Close power of ACC

NOTE:

When the ignition switch is turned off while the LCD panel is opened, the LCD panel will close after five seconds.

When the ignition switch is turned OFF after the LCD panel has been closed, turning the ignition switch On again will not open the LCD panel, in this case, press OPEN/CLOSE to open the LCD panel.

When closing the LCD panel check to make sure that it has closed completely, if the LCD panel has stopped halfway, leaving it like this could result in damage.

Adjusting the LCD panel angle

If you can hear the LCD panel knocking against your vehicle's console or dashboard, press ANGLE (—)

NOTE:

When adjusting the LCD panel angle, be sure to press ANGLE(+/-). forcibly adjusting the LCD panel by hand may damage it.

Basic operations



Changing the wide screen mode

You can select a desired mode for enlarging a 4:3 picture to a 16:9 one.

Press **SECAL** repeatedly to switch between the following settings:

FULL----WIDE----ZOOM)----CENTER



Notes

When video is viewed in a wide screen mode that does not match its original aspect ratio, it may appear differently.



Adjusting the picture adjustment

Press **MODE** repeatedly to switch between the following settings:

CUSTOM----SOFTNESS)----BRIGHTNESS



Adjusting the EQ

Touch **EQ** repeatedly to switch between the following settings :

- 1、STANDART
- 2、CLASSICAL
- 3、JAZZ
- 4、ROCK



Sound track choose

Press **EQ** button, track will switch between R+R,L+L,STEREO.

General setup

Volume adjustment

Basic operations

Revolve the knob to increase or decrease volume, value will be display on panel:



Advanced operation:

Press the knob or sound menu. to switch between the following settings:

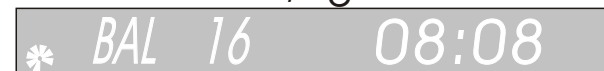
Bass



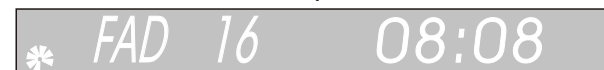
Treble



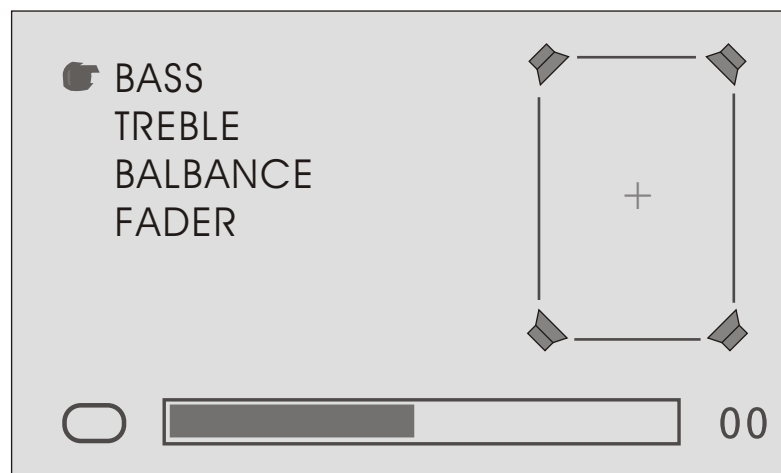
Left/right balance



Front/rear balance



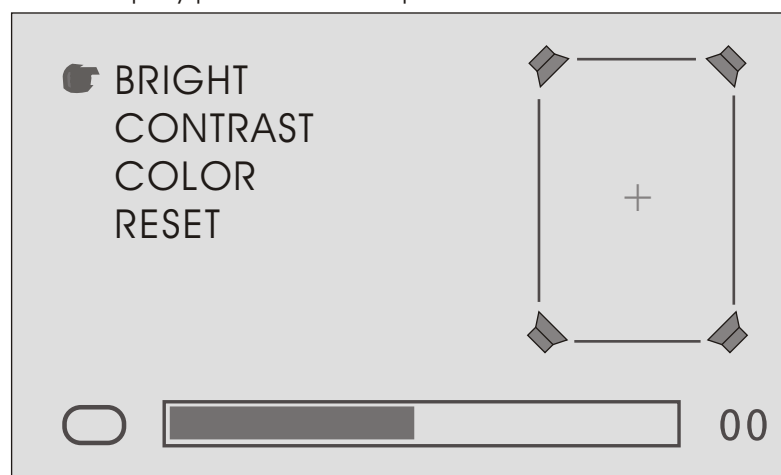
General setup



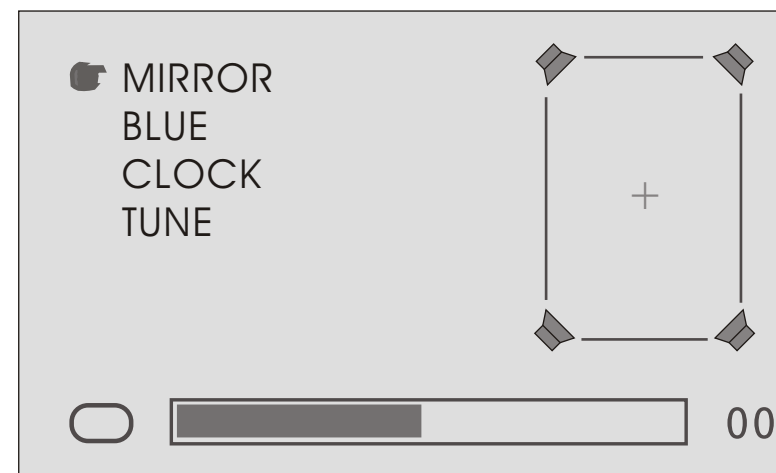
! Where, BALBANCE and FADER can be adjusted though the stick. When the sound field is adjusted to the middle position, the indication cursor will turn into red from green.

System setting menu

i The system setting menu includes two pages, and is in effect only when the display panel is under operation.



General setup



1 The adjustment range of BRIGHT、CONTRAST and COLOR is from 0—31, these three items can be adjusted according to personal preference to achieve the optimum effect for images.

! If RESET is selected from the menu, all memory data will turn back to the ex-factory set values.

2 The menu item MIRROR is effective only under camera status and makes the image reverse from left to right.

3 The menu item BLUE is only in effect under TV status and controls the blue screen function when there is no image.

4 The menu item CLOCK is used to control clock displaying on the liquid crystal panel.

5 Tune item is effective under tv status, when SEARCH is selected, the TV set will automatically search the whole frequency band.

Tuner

BAND

Basic operations

1、Press **band**L repeatedly to switch between the following settings:

FM1--FM2---AM

2、fine Frequency: move joystick or menu select button.

Advanced operation:

Touch **BAND** button to open system, and change in FM, Press **band** repeatedly to switch between the following settings:

* FM1 7 87-00

* FM2 7 87-00

* AM 3 963

CHANNEL TO STORE CURRENT FREQUENCY

CURRENT CHANNEL CHANNEL TO STORE CURRENT FREQUENCY

TUNER			
BAND: FM1	08:08	89.30MHz	
P0:	87.00MHz	P5:	94.00MHz
P1:	88.00MHz	P6:	96.00MHz
P2:	89.00MHz	P7:	98.00MHz
P3:	90.00MHz	P8:	100.00MHz
P4:	92.00MHz	P9:	108.00MHz

Tuner

1、 semiautomatic search

move the joystick left and right, the machine will automatically search in left or right until a TV channel is found and the actual frequency can be shown at present.

2、 fully automatic search

keep pressing the **BAND** key for about two seconds, the machine will begin searching for channels from the frequency of 87MHz until the memory unit is filled (twenty channels) or the highest frequency of 108MHz is arrived.

3、 manual storage

when the optimum frequency is finely tuned to, press **SET** (remotely control **ENTER**), the displayed image will begin to flash, then choose the storage location by **CH+** and **CH-**, and press **SET** (or **ENTER**) to store present frequency at the chosen channel

4、 get access to stored stations

- press number button on the remote commander
- press **CH+**, **CH-** to select the station you store

NOTE:

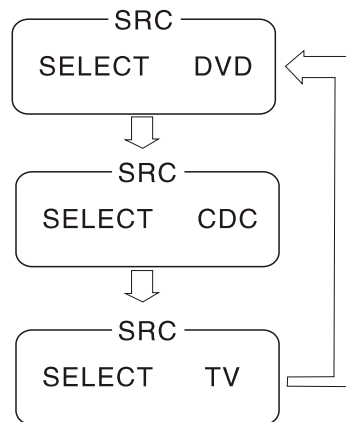
1、 Auto seeking mode, press every button to stop seeking.

2、 you can store to 20 channels, FM and FM1 can store 10 channels respectively.

3、 Automatic is good for FM.

DVD PLAY

Push down the button SRC, following contents will appear successively on the screen, they are:



Select the desired information, then keep it for about one second, the system will enter the correspondent page automatically.

DVD function operation

1、DVD play

After the monitor opens, the system will automatically enter the DVD interface. When the disc is played, hold the MENU button for an enough long time, the system will transfer into the root directory of the DVD disc. Use the operation stick to adjust and select the desired operations, then pick out the preferred order and lightly press play II button to ascertain this operation.

2、Pause of play

This function can help you stop the playing of discs temporarily.

When the disc is under playing, hold the PLAY II button for an enough long time, the play can be stopped and the still image is hold.

If you would like to go on playing the disc at the same point, then hold the PLAY II button for an enough long time again.

DVD PLAY

3、Forward and backward

Under the playing status, push down the -CH+ button on the remote to perform the forward and backward functions, and there are four types of speed can be selected.

VCD: 1X 2X 3X 4X

DVD: 2X 4X 6X 8X

press PLAY to stop forward or backward operations.

4、Program selection

When playing status, move the operation stick to the left or right to display the next or previous programs.

5、Turn to the appointed program

press once the GOTO button:

TITLE	01 / 02	SECTION	008 / 020
Present title	Main title	Present program	Main programs

When above information is shown, input correspondent program number using the number keys, then press SET (or ENTER on the remote) to turn to the input program

6、Turn to the appointed time

press the GOTO button twice, follows will appear on the screen:

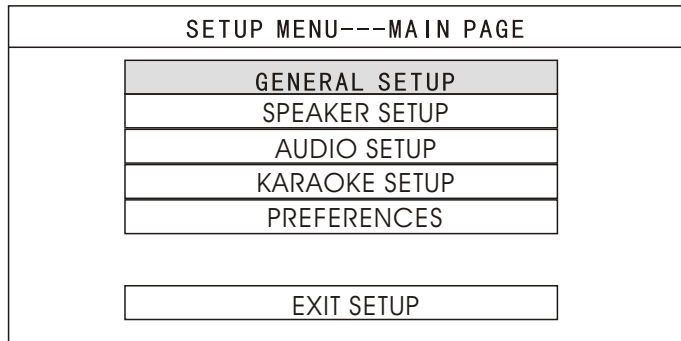
TITLE	01 / 02	TIME	-- : -- : --
Present title	Main title		

When above information is shown on the screen, input target time using the number keys, then press SET (or ENTER on the remote) to turn to the input time.

DVD SETUP

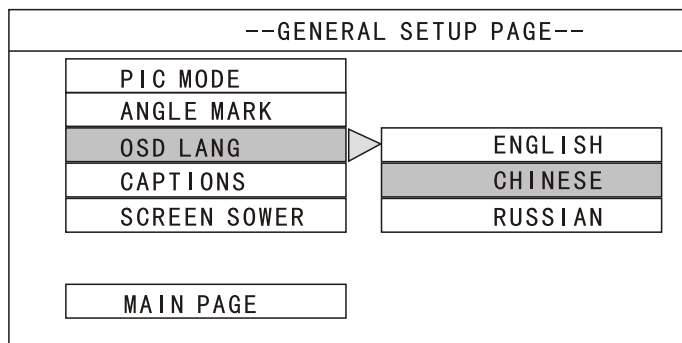
DVD MAIN SETUP

Press SET button (or ENTER button on remoter) to display general setup/speaker setup and audio setup etc.



General setup

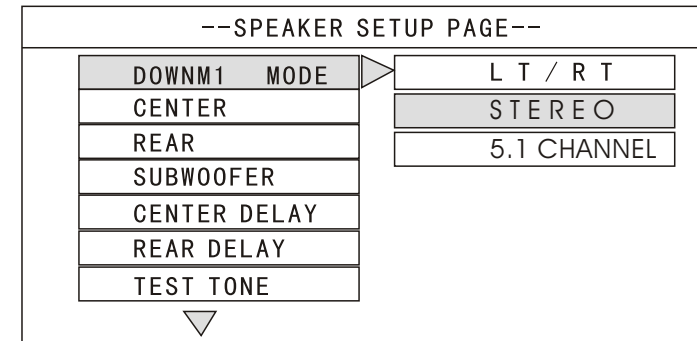
When main setup page appeared, move to select general setup with joystick, press the set button display in general setup page.



DVD SETUP

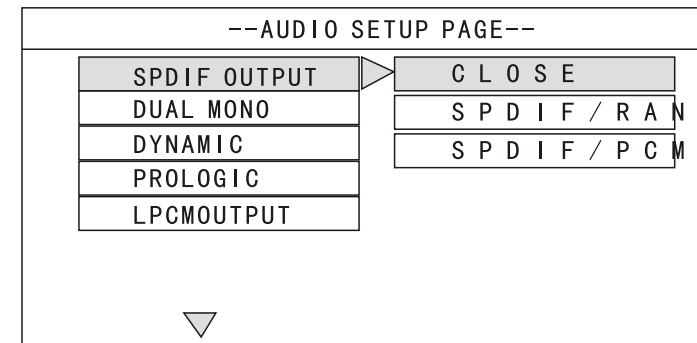
Speaker setup

When main setup page appeared, move to select speaker setup with joystick, press the set button display in speaker setup page.



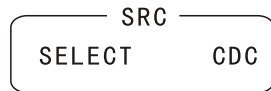
Audio setup

When main setup page appeared, move to select audio setup with joystick, press the set button display in audio setup page.



CD PLAY

Press SRC button two times, choose CDC page



CDC LOAD

1、Track adjust

Move joystick right or left to play last or next track.

2、Fast forward and reversing disc play

Press joystick right or left two seconds to fast forward and reversing disc play, press corresponding button to continue playing except the power.

3、Changing disc by hand

Press CH+ or CH- button on unit to display last or next disc.

Press number button to play corresponding disc.

4、Changing disc automatically

After one disc is played over, system will use next disc.



Note:

If It Cannot Work Normally, error Will Be Shown

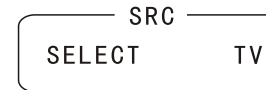
If Changer Is Taken Out, no Mag Will Appear

If The Disc Is Taken Out, no Disc Will Appear

If The Machine Does Not Work After New Disk Is Changed, please The Key Play.

TV

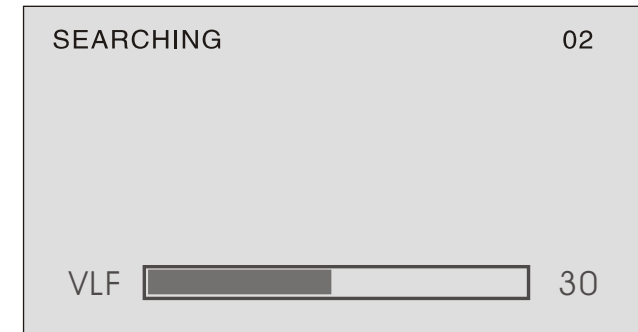
Press SRC button three times, choose CDC page



TV LOAD

1、Auto search

choose TUNE from menu setup page on system, select SEARCH, system will finetuning from VLF channel



2、prest channels

use CH+ or CH- on panel or menu reverse button on remote to select last channel or next channel.

- Use number button, system will jump to that channel directly

3、Fine tuning

- Move the joystick towards left and right on panel or press menu select button on the remote command to fine tune the current channel.

4、storeing by hand

Press SET button or ENTER on remote commander, display STORE xx, use CH+ or CH- button to select position for stored. Last press set button again.

5、BLUE

Blue screen on, screen is blue when no signal

Blue screen off, screen is not blue when no signal

When there is menu on screen, screen is always blue whether blue screen is ON/OFF.

Other operation

CLOCK

check time

In halt method, press SET button or enter button on the remote one time, it will appear clock. If LCD is open, you can see this:

OPERATION	
1 : MENU	SELECT
2 : MENU	ADJUST
3 : SET	STORY
4 : POW	EXIT
5 : SRC	EXIT
08:08	

Set time

IN halt method, press SET button or enter button (on the remote) two time, move joystick or menu control button (on the remote) to select place towards right or left and select number of clock towards front or rear .5 seconds after, the system in halt method automatically.

Additional information

DVDplayer and care

Use onlenormal,round discs ,of you insert irregular,non-round,shaped discs they may jam in the DVD player or not play properly.

Check all discs for cracks,scratches or warped discs before playing, discs that have cracks,scratches or are warped may not play properly, DO not use such discs.

Avoid touching the recorded(non-printed side)surface when handing the discs.

Store discs in their cases when not in use.

Keep discs out of direct sunlight and do no expose the discs to high temperatures.

Do not attach labels,write on or apply chemicals to the surface of the discs. To chean dirt from a disc ,wipe the disc with a soft cloth outward from the center of the disc.

If the heater is used in cold weather ,moisture may form on components inside the DVDplayer. Comdenastion may cause the DVD player to not operate properly, if you think that condensation is a problem turn off the DVD player to dry out and wipe any damp discs with a soft cloth to remove the moisture.

Road shocks may interrupt disc playback.

DVDdisc

With some DVD video discs, it may not be possible to use certain funcitons it may not be possible to play back some DVD video discs.

When DVD-R/DVD-RWdiscs are used, playback is possible only for discs which have been finalized.

When DVD-R/DVD-RW discs are used, playback is possible only for discs which have been recorded with the video format(vude\eo mode),it is not possible to play back DVD-RWdiscs which have been recorded with the video recording format(vr mode)

it may not be possible to play back DVD-R/DVD/RWdiscs which have been recorded with the video format(video mode),because of disc characteristics, scratches or dirt on the disc,or dirt,condensation,etc, on the lens of this unit.

CD-R/CD-RW discs

When CD-R/CD-RW discs are used, playback is possible only for discs which have been finalized.

It may not be possible to play back CD-R/CD-RW discs recorded on a music CD recorder or a personal computer because of disc characteristics, scratches or dirt on the disc, or dirt, condensation, etc. On the lens of this unit.

Playback of discs recorded on a personal computer may not be possible depending on the application settings and the environment. Please record with the correct format.

Playback of CD-R/CD-RW discs may become impossible in case of direct exposure to sunlight, high temperatures, or the storage conditions in the car.

Titles and other text information recorded on a CD-R/CD-RW disc may not be displayed by this unit.

This unit conforms to the track skip function of the CD-R/CD-RW disc. The tracks containing the track skip information are skipped automatically.

If you insert a CD-RW disc into this unit, time to playback will be longer than when you insert a conventional CD or CD-R disc.

Read the precautions with CD-R/CD-RW discs before using them.

Mp3 file

Mp3 is short for MPEG audio layer 3 and refers to an audio compression technology standard. This unit allows playback of Mp3 files on CD-ROM, CD-RW discs. Disc recordings compatible with level 1 and level 2 of ISO 9660 and with the ISO 9660 and Joliet file system can be played back.

It is possible to play back multi-session compatible recorded discs. Mp3 files are not compatible with packet write data transfer.

The maximum number of characters which can be displayed for a file name, including the extension (mp3), is 32 characters from the first character.

The maximum number of characters which can be displayed for a folder name is 32 characters. In case of files recorded according to the ISO 9660 and Joliet file system, only the first 32 characters can be displayed.

When playing discs with Mp3 files and audio data (CD-DA) such as CD-Extra and MIXED-MODE CDs, both types can be played only by switching mode between Mp3 and CD-DA. The folder selection sequence for playback and other operations becomes the track selection sequence used by the writing software. For this reason, the expected sequence at the time of playback may not coincide with the actual playback sequence. However, there also is some writing software which permits setting of the playback order. Files are compatible with the ID3 tag ver 1.0 and ver 1.1 formats for display of album (disc title), track (track title) and artist (track artist).

Only when Mp3 files of 32, 44.1 and 48 kHz frequencies are played back, the emphasis function is valid.

There is no M3U playlist compatibility.

There is no compatibility with the Mp3 or Mp3PRO format.

The sound quality of Mp3 files generally becomes better with increasing bit rate. This unit can play recordings with bit rates from 8 kbps to 320 kbps. In order to be able to enjoy a certain sound quality, it is recommended to use only discs recorded with a bit rate of at least 128 kbps.

Additional information

Precautions for card remote commander

First using the controller, please pull out the slice. The battery cannot work with slice in.

Do not leave the card remote commander on the dashboard, on the steering wheel, or in other locations exposed to direct sunlight. Especially in summer, very high temperatures can occur in such locations, causing deformation of the commander.

When parking the car in sunlight, remove the card remote commander from its mounting location and store it in the glove compartment or in another shelter.

In direct sunlight, the signals from the card remote commander may sometimes not be picked up properly by the unit. In such a case, move the commander closer to the remote sensor on the front panel of the main unit.

About the liquid crystal display (LCD) panel

Do not press the LCD screen on the monitor unit as doing so can distort the picture or cause a malfunction. The picture may become unclear, or the LCD screen may be damaged.

Notes on cleaning

Clean the LCD panel with a slightly damp soft cloth

Do not use solvents such as benzene, thinner, commercially available cleaners or antistatic spray.

Do not use this unit in temperature under -15°C or over 45°C.

If your car is parked in a cold or hot place, the picture may not be clear. The picture will become clear after the temperature in your car becomes normal. Some stationary blue or red dots may appear on the monitor. These are called bright spots, and can happen with any LCD screen. The LCD screen panel is highly sophisticated, and more than 99.99% of the segments used in the screen are flawless. However, there is a possibility that less than 0.01% of the segments are defective and may not light up properly. However, these segments will not interfere with your viewing.

specifications

power source: 13.8V DC(10.8-15.1V lowable)
grounding system: negative type

unit:

Max current consumption: 2.0A

Dimensions(W*H*D):

DIN: 160*50*190MM

Weight: 2.1kg

Max current consumption: 10A

Dimensions(W*H*D):

DIN: 240*30*150mm

Weight: 2.5kg

Display

screen size/aspect ratio: 7inch wide/16:9(Effective display area:154*87mm)

pixels: 336,960(1,440*234)

type: TFM active matrix, transmissive type.

color: NTSC/PAL compatible

operating temperature range: -10--+50.C

storage temperature range: -20--+80.C

Angle adjustment: 0-110

audio

maximum power output: 50W*4

load impedance: 4Ω (4-8Ω lowable)

preout max output level/output impedance: 5.0V/200Ω

decoder: linear PCM/dolby digital/dolby pro logic II/DTS

DVD player

system: DVD audio, DVD video, VCD, CD, DTS CD and MP3 system

usable discs: DVD audio, DVD video, VCD, CD, DTS CD

number of channels: 2 (stereo), digital 6 ch

Mp3 decoding format: MPEG-1 and 2 audio layer 3

FM tuner

frequency range: 87-108.0MHz

usable sensitivity: 10 dB (0.7μV/75Ω, mono, S/N: 30 dB)

AM tuner

frequency range: 531-1,602KHz (9KHz)

usable sensitivity: 18μV (S/N: 20 dB)