SD730M

IN-DASH SINGLE-DIN DVD/MP3/CD AM/FM RECEIVER

SSL

User Manual

SD730M

IN-DASH SINGLE-DIN DVD/MP3/CD AM/FM RECEIVER

SSL

SOUND STORM®
L A B O R A T O R I E S

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0813

To ensure safety while driving

and to comply with laws,

drivers should not watch video or

operate the video device while driving.

Content

Precaution

THANK YOU FOR PURCHASING A SOUNDSTORM MULTIMEDIA PLAYER .

Before operating the unit, read this manual thoroughly and keep it handy
for future reference .

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

ON INSTALLATION
- DO NOT install any receiver in locations where;
   - it may obstruct the steering wheel and gearshift lever operations, as this
     may result in a traffic accident.
   - it may obstruct the operation of safety devices such as air bags, as this
     may result in a fatal accident.
   - it may obstruct visibility.
- DO NOT operate any receiver while manipulating the steering wheel, as
   this may result in a traffic accident.
- The driver must not watch the monitor while driving.
- IF THE DRIVER watches the monitor while driving, it may lead to
   carelessness and cause an accident.
- IF YOU NEED to operate the receive while driving, be sure to look ahead
   carefully or you may be involved in a traffic accident.
- IF THE PARKING BRAKE is not engaged." ParkingBrake" flashes on the
   monitor, and no playback picture will be shown.
   - This warning appears only when the parking brake wire is connected to
     the parking brake system built in the car (refer to the electric connection)

ABOUT THE LIQUID CRYSTAL DISPLAY (LCD) PANEL

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

NOTES ON CLEANING
-Clean the LCD panel with a slightly damp soft cloth.
-Do not use solvents such as benzine, thinner, commercially available
cleaners or antistatic spray .
-Do not use alcohol to clean the screen .
If your car was parked in a cold or hot place, the picture may not be clear .
The monitor is not damaged . The picture will become clear the temper-
ature in your car becomes normal .

Safety Information

CAUTION:

THIS DIGITAL VIDEO PLAYER IS A CLASS I LASER PRODUCT. HOWEVER THIS DIGITAL VIDEO PLAYER USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE .

HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE DIGITAL VIDEO PLAYER CORRECTLY AS INSTRUCTED.
USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

WARNING:

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.

THIS DEVICE IS INTENDED FOR CONTINUOUS OPERATION.

This product incorporates copyright protection technology that is protected by method claims of certain U.S. Patents and other intellectual property rights owned by Macrovision Corporation and other rights owners.Use of this copyright protection technology must be authorized by Macro vision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

REGION MANAGEMENT INFORMATION:

This Digital Video Player is designed and manufactured to respond to the Region Management Information that is recorded on a Digital Video disc. If the Region number described on the Digital Video disc does not correspond to the Region number of this Digital Video Player, this Digital Video Player cannot play this disc.

Disc Note

Disc formats supported by this player

Digital Video	*Digital Video*	Audio and Video Disc size 12 cm
VCD	*VCD*	Audio and Video Disc size 12 cm
CD	*CD*	Audio Disc size 12 cm
MP3	*MP3*	Audio Disc size 12 cm

Discs which cannot be played with this player
- Digital Video-RAM
- CDV
- CDG

Handling and Cleaning
- Dirt, dust, scratches and warping disc will cause misoperation.
- Do not place stickers or make scratches on discs.
- Do not warp discs.
- A disc should always be kept in its case when not in use to prevent from damaging.
- Do not place discs in the following places:
  1. Direct sunlight
  2. Dirty, dusty and damp areas
  3. Near car heaters
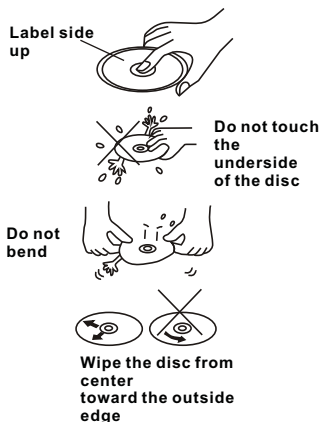 4. On the seats or dashboard

Disc Cleaning
Use a dry soft cloth to wipe the surface. If the disc is quite dirty, use a soft cloth slightly moistured with isopropyl (rubbing) alcohol. Never use solvents such as benzine, thinner or conventional record cleaners as they may mar the surface of the disc.
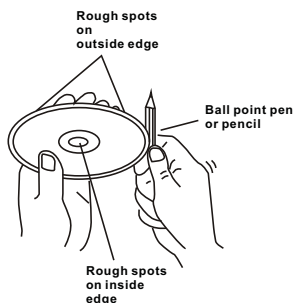
Note:
A disc may become somewhat scratched (although not enough to make it unusable) depending on your handle it and conditions in the usage environment. Note these scratches are not an indication of any problem with the player.

Label side up

Do not touch the underside of the disc

Do not bend

Wipe the disc from center toward the outside edge

Preparing New Discs with Rough Spots
A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the proper setting will not be performed and the player will not play the disc. Therefore, remove the rough edges in advance by using a ball point pen or pencil as shown on the right. To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.

Rough spots on outside edge

Ball point pen or pencil

Rough spots on inside edge

Installation

NOTES:

Choose the mounting location where the unit will not interfere with the normal driving function of the driver.

Before finally installing the unit, connect the wiring temporarily and make sure it is all connected up properly and the unit and the system work properly.

Use only the parts included with the unit to ensure proper installation. The use of unauthorized parts can cause malfunctions.

Consult with your nearest dealer if installation requires the drilling of holes or other modifications of the vehicle.

Install the unit where it does not get in the driver's way and cannot injure the passenger if there is a sudden stop, like an emergency stop.

If installation angle exceeds 30 from horizontal, the unit might not give its optimum performance.
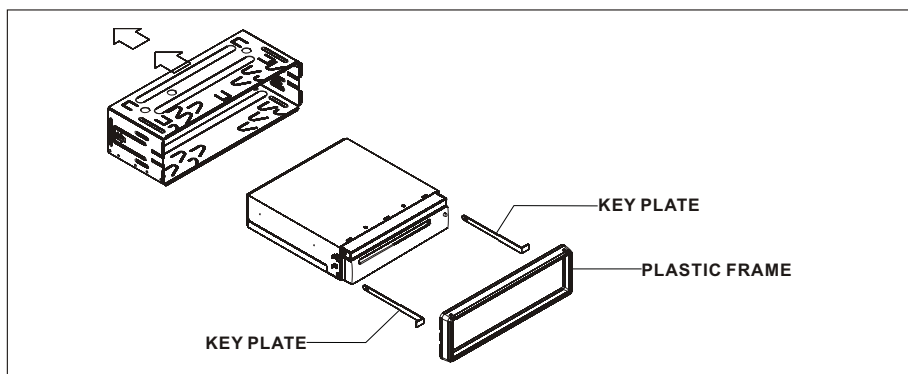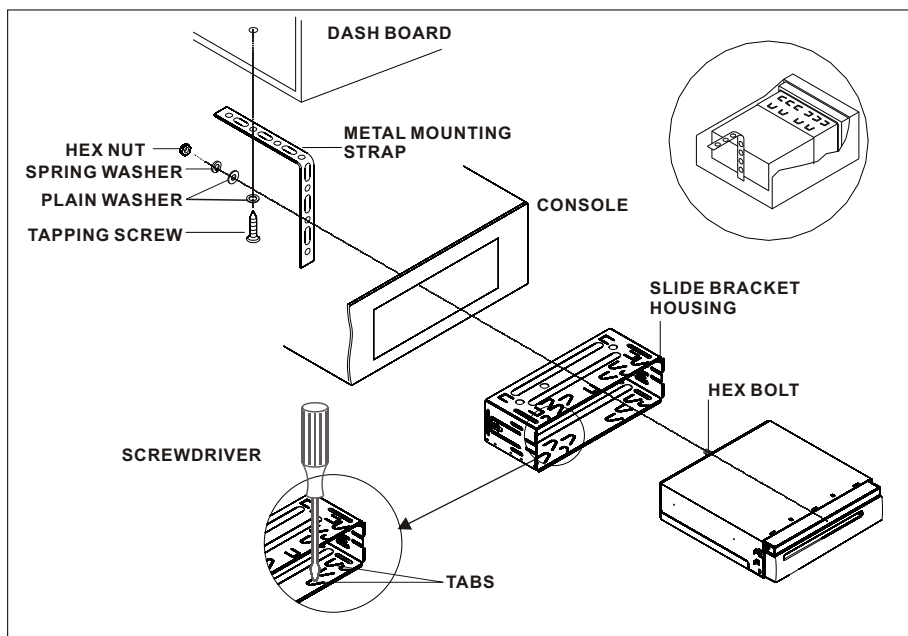
30
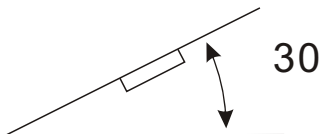
Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

DIN FRONT/REAR-MOUNT

This unit can be properly installed either from "Front"(conventional DIN Front-mount) or "Rear"(DIN Rear-mount installation, utilizing threaded screw holes at the sides of the unit chassis). For details, refer to the following illustrated installation methods.

Installation

Installing the unit

DASH BOARD

METAL MOUNTING STRAP

HEX NUT

SPRING WASHER

PLAIN WASHER

TAPPING SCREW

CONSOLE

SLIDE BRACKET HOUSING

HEX BOLT

SCREWDRIVER

TABS

KEY PLATE

PLASTIC FRAME

KEY PLATE

If you want to take the CHASSIS out of the SLIDE BRACKET HOUSING, first remove the PLASTIC COVER on both sides , then insert the two KEY PLATES into the left and the right sides of the chassis as illustrated above.

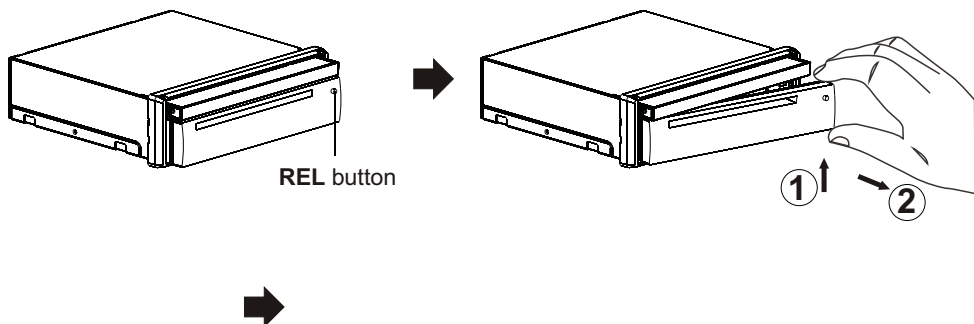# Installation

How To Remove And Install The Control Panel

When detaching or attaching the control panel, be careful not to damage the connectors on the back of the control panel and on the panel holder.
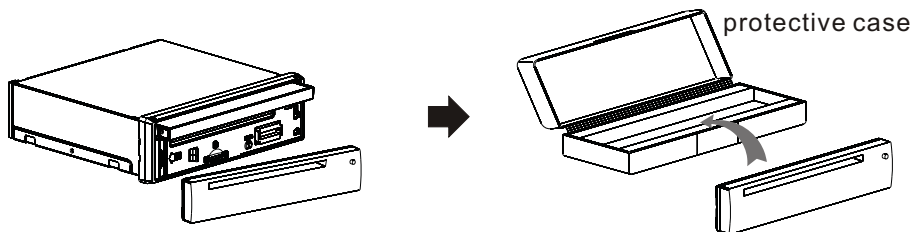
Detaching the Control Panel

Before detaching the control panel, be sure to turn off the power.
1). Press the release button and the right hand side of the control panel will release.

First pull up the control panel as the direction indicated by the arrow (See ①) and then remove the control panel as the direction indicated by the arrow (See②).


REL button

2). Put the control panel in the protective case for safe keeping.

protective case

Installation

Attaching the Control Panel

1). First insert the left hand side of the control panel into the bulge of the unit(see ①) .
   (NOTE : the "hollow" point on the control panel must be attached into the bulge
   point of the unit .)
2). Gently push the right-down hand side of the control panel until you feel a " Click" .
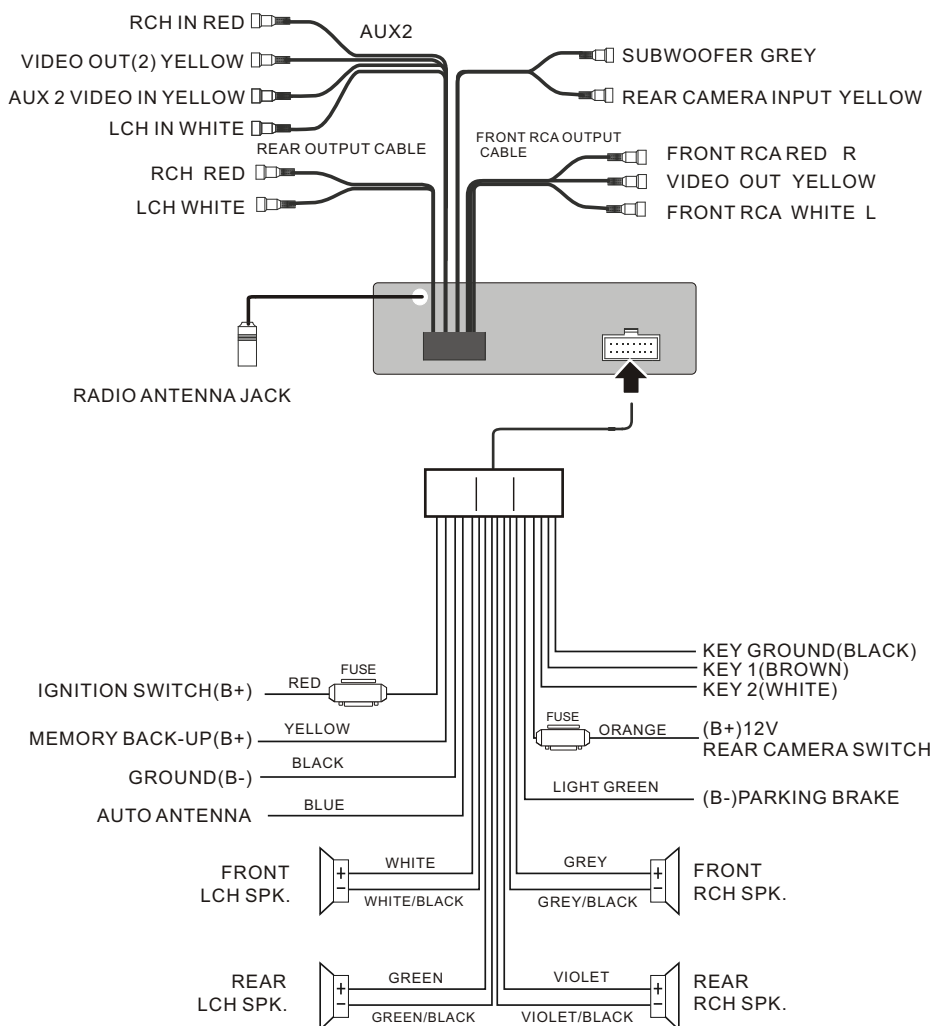   (See ②)

Bulge

Hollow

①

②
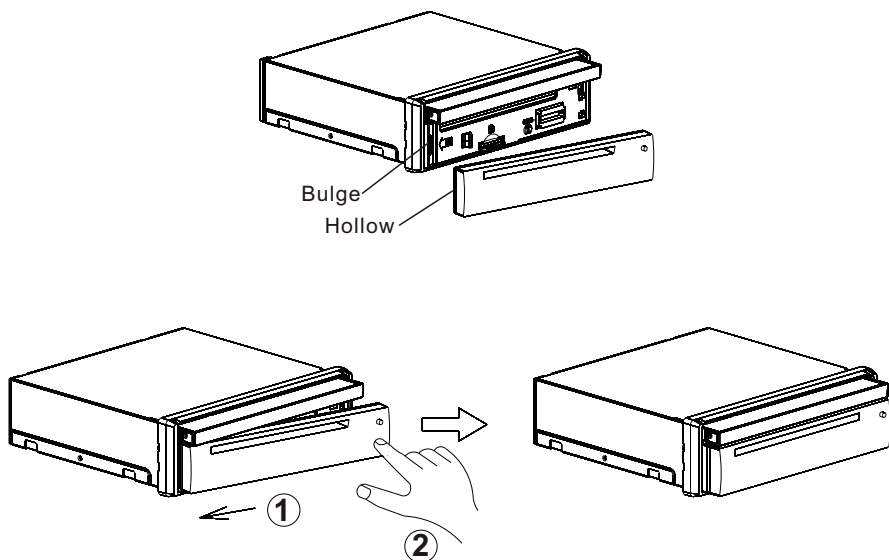
■ Precaution

Do not touch the contacts on the back and base of the control panel , since this
may result in poor electrical contact. If dirt or dust accumulates on the contacts ,
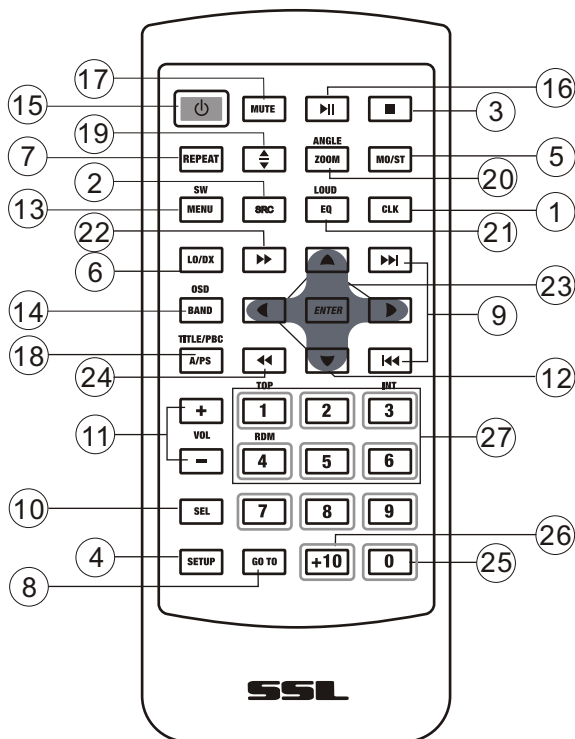wipe them with a clean, dry cloth .

Electric Connection

WIRING CONNECTION

RCH IN RED

AUX2

VIDEO OUT(2) YELLOW

AUX 2 VIDEO IN YELLOW

LCH IN WHITE

REAR OUTPUT CABLE

FRONT RCA OUTPUT CABLE

SUBWOOFER GREY

REAR CAMERA INPUT YELLOW

RCH RED

LCH WHITE

FRONT RCA RED R

VIDEO OUT YELLOW

FRONT RCA WHITE L

RADIO ANTENNA JACK

KEY GROUND(BLACK)
KEY 1(BROWN)
KEY 2(WHITE)

IGNITION SWITCH(B+)   RED   FUSE

MEMORY BACK-UP(B+)   YELLOW

GROUND(B-)   BLACK

AUTO ANTENNA   BLUE

FUSE   ORANGE   (B+)12V
REAR CAMERA SWITCH

LIGHT GREEN   (B-)PARKING BRAKE

FRONT
LCH SPK.   WHITE

WHITE/BLACK

GREY   FRONT
RCH SPK.

GREY/BLACK

REAR
LCH SPK.   GREEN

GREEN/BLACK

VIOLET   REAR
RCH SPK.

VIOLET/BLACK

Note:
the ground connection cable (parking brake B-) must be connected in order for
pictures to be played back to the monitor. If the cable has not been correctly
connected, the message "PARKING BRAKE" appears on the monitor.

Remote Control

Ref #	Button	Function
1	CLK	Press it briefly to view the clock time .
2	SRC	Press it to select a desired work source .
3	STOP	Press once to pause playback. Press PLAY/PAUSE to resume playback. Please note: if you press STOP twice, playback will start at the beginning of the disc.
4	SETUP	Press this button to open the SETUP menu.
5	MO/ST (AUDIO)	In Radio mode, press this button to change between Mono and Stereo reception modes (when a station is weak, sometimes switching to Mono will improve sound quality). In Disc Playback mode, pressing this button opens the AUDIO setup menu for making changes to the way the soundtrack is reproduced.
6	SUBTITLE LOCAL/ DISTANT	In Digital Video playback mode, pressing this button will allow you to change the subtitle language on discs which have this as an option. In Radio mode, press this button to change the radio reception sensitivity in stations are near or far.
7	REPEAT	Pressing the button will open a menu presenting you with the playback repeat options available for that kind of disc .

Remote Control

| Ref #	Button	Function
8	GOTO	Press it button to begin playback at a moment in the program you designate. Use number buttons to enter the data that is needed.
9	▶▶I / I◀◀	Press these buttons to skip ahead or back one track.
10	SEL	To switch between BASS, TRE, BAL, FADE, COLOR, BRIGHT, CONTR, TINT ,LOUD, SWF, EQ, LO/DX(in radio mode), ST/MO(in radio mode), TIME 24H/12H,SET CLOCK, BEEP, FRE AREA, ANIMATION. After switching on the desired mode above, rotate VOL knob or press VOL+/VOL- buttons to set it.
11	VOL+/-	Use these controls to adjust the volume level.
12	◀/▶/▼/▲	Press to navigate the various menus present in the product.
13	Menu SubWoofer	Press this button briefly to display the root level directory of a Digital Video. Press and hold this button to turn on or off the SUBWOOFER output.
14	BAND (OSD)	In Radio mode, press this button repeatedly to switch between the five radio bands: FM1 > FM2 > FM3 > AM1 > AM2. In Disc Playback modes, Press this button to see information about the disc currently in play.
15	⏻ POWER	Press this button to turn the unit ON , press it again to turn the unit OFF.
16	PLAY/ PAUSE	In Disc Playback mode, press to pause playback. Press again to start where playback stopped.
17	MUTE	Press this button to turn off the audio. Press again to restore the sound to its prior volume level.
18	TITLE/ PBC(A/P)	Display the TITLE menu that is stored in Digital Video changing between PBC ON and PBC OFF on the VCD disc. In Radio mode, press and hold this button to start the Auto-Program mode, during which the tuner will scan for all strong stations and assign them to the radio preset buttons.
19	▲▼	Press this button to Open/Close the operate monitor .Long press it to adjust the angle of monitor Upward/Downward
20	ZOOM/ ANGLE	For Digital Video which have alternate viewing angles encoded, when you see the "angle mark" symbol advising you that these angles are available, Longer press this button to see them. Shortly press it to increase the picture in size .
21	EQ	Press repeatedly to cycle through the different equalizer curve presets you may wish to use for enhanced listening.
22	▶▶	In media playback mode, press for fast forward playback.

Remote Control

Ref #	Button	Function
23	ENTER	This button is used to confirm selections and settings within many of the menus in the OSD system.
24	◀◀	In media playback mode, press it to reverse rapidly.
25	0-9	Use to input numerical values during programming, with the GOTO button, or to directly select a track to play .
26	+10	This button is used with the other number buttons for use with two-digit number entries.
27	1-6	Six numbered preset buttons store and recall stations for each band

Preparing the Remote Control

Inserting the Battery

1. First push to inside as the direction indicated by the arrow (See ❶)And then Remove the battery holder as the direction indicated by the arrow (See ❷).

2. Replace the battery Set a new battery property with (+)side up as illustrated (See ❸).

3. Insert the battery holder. Push in the holder to the original position(See ❹).
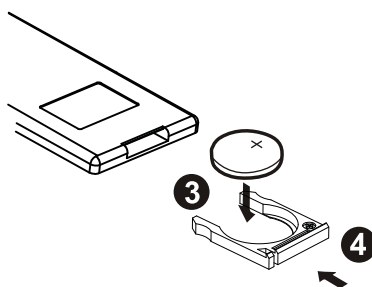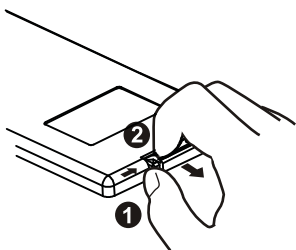
Using the Remote Control

Face the remote control towards the player front face IR mark (remote control signal receiver).

Operation angle: About ± 30 degree in each the direction of the front of the IR mark.

Note :

The lithium cell in the battery compartment of remote control has been secured for transport with a plastic . Before initial use please remove this plastic so that the remote control is ready for operation .

Basic Operation

POWER ON/OFF

Touch the "OFF" ICON on screen to turn the unit off . Press the " ⏻ " onthe front panel to turn It on, press it again to turn off .
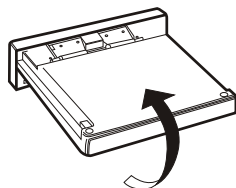
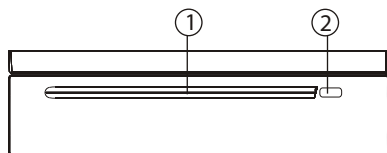## LOADING/EJECTING A DISC

Loading a Disc

1. Press the POWER (⏻) button on the front panel to turn the device on .

2. Insert the disc with printed side facing up into the disc slot (1) .

3. The player starts playback the disc automatically .

Ejecting a Disc

In disc mode, Press the ⏏ (2) button on the front panel to eject the disc .

OPEN/CLOSE MONITOR AND ANGLE ADJUSTMENT

● Press **OPEN** button on front panel, the monitor will draw out automatically .

FIG.1

OPEN/CLOSE button

When the monitor draws out to a certain location, it will turn upward automatically and stop at vertical position .

FIG.2

● Adjusting the viewing angle .
When the monitor does not move, you long press ⬍ button on the panel to turn the monitor upward or downward at fine steps to get a desired viewing angle; short press that button (⬍) on remote is screen move back or out.

FIG.3

Do not rotate the monitor forcibly to avoid mechanical damage .

FIG.4

● Return the monitor to the central viewing position, then press OPEN button on the front panel , the monitor will turn downward automatically .

FIG.5

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Basic Operation

- When the monitor turns downward to a certain angle, it will draw in .
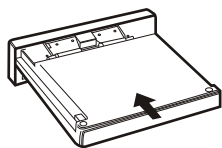

FIG.6

Main Menu Operation

In many modes, touch the [icon] icon or In DVD/VCD mode , touch the [icon] range to enter the main menu, the message like following as below.


(1)   (3) (2)(4) (5)   (6)

1. POWER icon
   In any modes, touch the POWER icon to switch the unit off . The monitor will draw in automatically .
2. UP icon
   Touch this icon to adjust the angle of the monitor upward until your desired angle .
3. CLOSE icon
   Touch this icon to Close the monitor .
4. DOWN icon
   Touch this icon to adjust the angle of monitor downward until your desired angle .
5. EJECT icon
   Touch to allow for inserting or ejecting disc.
6. SETUP icon
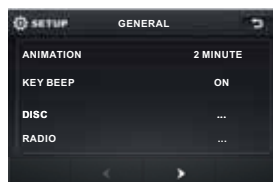   Touch to enter the SETTING mode, the message will display as follow :
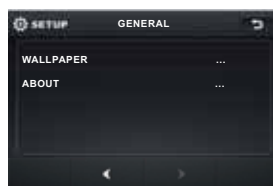

Setup interface 1
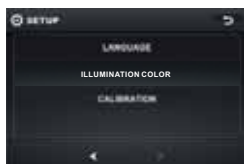
Setup interface 2

Touch the " [icon] " section on the setting menu, touch the " [icon] / [icon] " ranges to select the adjustment item, Touch the "[icon]" icon to return to the previous playback .

General setup interface1

General setup interface2

ADJUSTABLE ITEMS:

ANIMATION
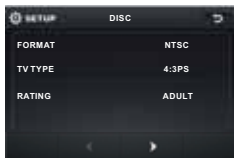In **RADIO** mode, you can change the playing time of animation among of "OFF, 10S, 30S, 1M,90S, 2M, 3M and 4M ".
Note:
Please set the playing time of the animation to **" 10S "** for the first, when you turn the unit on .

KEY BEEP : ON or OFF.

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Basic Operation

Disc setup as follow:

FORMAT
This player is capable of playing discs recorded in either PAL or NTSC formats. Make the selection based on whether you are connecting the unit to a PAL TV or an NTSC TV. You can also set the unit to AUTO (auto select). The disadvantage to autoselect is that each time you turn the unit on it checks to see what kind of monitor is connected, which causes a small delay and some flickering of the display image which you may find unpleasant.

TV TYPE

16:9   **4:3 Letter Box**
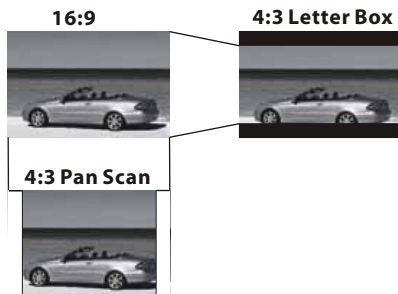
4:3 Pan Scan

This is to select the appropriate TV aspect (4:3 or 16:9) according to the connected TV set.
Normal/PS (For 4:3 TV)
Played back in the PAN & SCAN style. (If connected to wide-screen TV, the left and right edges are cut off.)
Normal/LB (For 4:3 TV)
Played back in LETTER BOX style. (If connected to wide-screen TV, black bands appear at top and bottom of the screen.)
Wide (For 16:9 TV)
Select when a wide-screen TV set is connected.

RATING
Select to turn Parental Control on or off. The factory default password is **0000**.

(The password must be used to make changes to the Parental Control menu below .)
Key in **"0000"** and then turn to rating then you can setting as follow:
   KID SAFE -> G -> PG ->   PG-13
   -> PG R -> R ->NC-17 -> ADULT

RADIO
DUAL: touch to select stereo or mono.

LOCAL: touch to select local or distant.

REGION: touch to select radio frequency as USA or EUROPE.

WALLPAPER
Touch to select wallpaper .

ABOUT
Touch to show the version information.

CLOCK SETUP
Touch the CLOCK to adjust the time and time format.

clock setup interface

AUDIO SETUP
Touch the audio to turn to audio quality adjustment.

audio setup interface1   audio setup interface2

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Basic Operation

TREBLE: -7 to +7
Adjust treble level .

BASS: -7 to +7
Adjust bass level .

SUBWOOFER: touch to adjust subwoofer
volume and frequency.

EQ: touch to select audio mode as follow:
USER -> JAZZ -> CLASSIC -> POP -> ROCK

LOUDNESS: touch to select loudness
effect as :OFF -> LOW -> MID -> HIGH

FADER/BALANCE:
BALANCE: R 0-10 to L 0-10

Adjust sound balance between left
and right speakers .

FADE: F 0-10 to R 0-10
Adjust sound balance between front
and rear speakers .

VIDEO SETUP

Video setup interface

COLOR: 0 to 32
Adjust the color for the picture-lighter
or darker.

BRIGHTNESS: 0 to 32
Adjust if the picture is too bright or
too dark.

CONTRAST: 0 to 32
Adjust the contrast of the bright and
dark portion.

TINT: 0 to 32
Adjust the tint if the human skin color
is unnatural.
 -Adjustable when "NTSC " is selected
for "NTSC/PAL " .

LANGUAGE
Touch to select OSD language.

ILLUMINATION COLOR
Touch to select the backlight for all
buttons. Tap auto icon the backlight
change automatically.

CALIBRATION
Touch the arrow as show to calibration
the display.

Reset Factory Settings

RESET button is placed on the housing
and must be activated with either a
ballpoint pen or thin metal object.
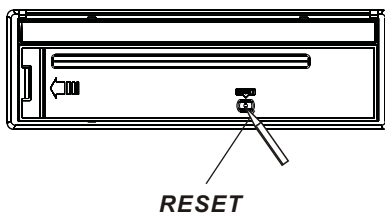
RESET

The RESET button is to be activated for
the following reasons:
A. Initial installation of the unit when
all wiring is completed.
B. All the function buttons do not operate.
C. Error symbol on the display.

Rear View Camera

When connecting the rear view camera
the mirror image of the rear view is auto-
matically displayed on the monitor
when you change the gear to the back
position.
(Note: additional monitor can not display
the image.)

Control Panel

UNIT KEYS
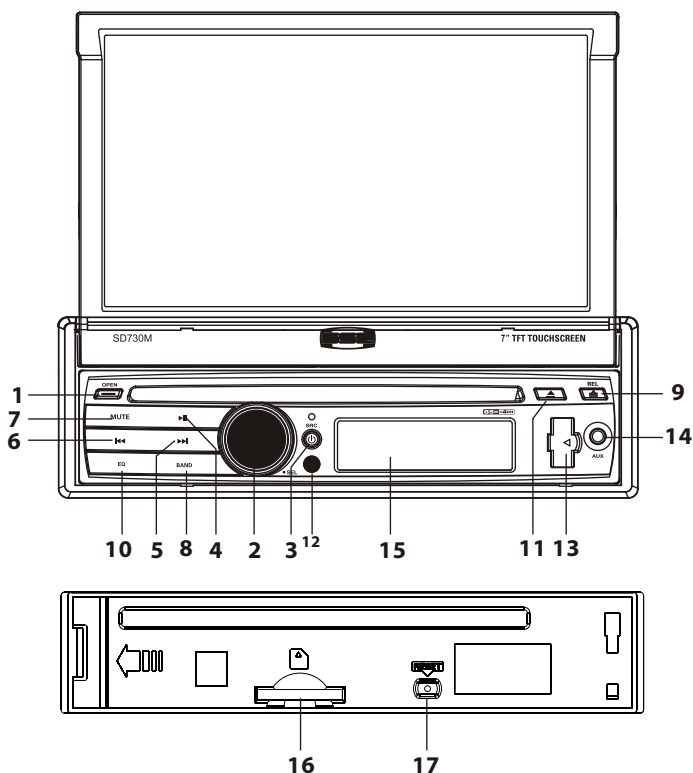
1. OPEN/ ⬚ BUTTON
To slide the monitor out and stand it up or into the monitor slot, press this button;

To adjust the angle of the monitor, press the ▼ or ▲ to change the angle for the TFT display.

2. SEL BUTTON and VOL KNOB
In normal mode, the VOL knob is used to increase or decrease the volume.

Briefly press SEL (except radio mode)to switch between BASS, TRE, BAL, FADE, COLOR, BRIGHT, CONTR, TINT , LOUD, SWF, EQ, LO/DX (in radio mode), ST/MO(in radio mode), TIME 24H/12H,SET CLOCK, BUZZER, FRE AREA, ANIMATION.

After switching on the desired mode above, rotate VOL knob or press VOL+/ VOL- buttons to set it.

Control Panel

In radio mode, press the SEL to select MANUAL/AUTO mode, in radio manual mode to scan the frequency by rotate the VOL knob, select radio auto mode to cancel the scan function.

3. ⏻ /SRC BUTTON

In power off mode, press it to turn on the unit.

In power on mode, short press it repeatedly to select one mode of the RADIO, DISC, USB, CARD, AUX and AV; long press it to turn off the unit.

4 ▶❚❚ BUTTON

In Disc Playback Mode, press this button to pause playback, press it again to resume playback.

5/6. >>| and |<< BUTTONS

In radio mode, long pressing |<< or >>| button can automatically search down or up for an available station beginning from the current frequency; Briefly pressing |<< or >>| button can manually search down or up for a your desired station beginning from the current frequency.

In media mode, pressing |<< or >>| button can play the previous or next track; continuously and long pressing |<< or >>| button can fast backwards or forwards at the following multiple of normal speed: x2, x4, x8, x20.

7. MUTE BUTTON

Press it button to switch of the loudspeakers for a short period. The word MUTE flashes in the display. Press it again to cancel the mute function. This function can also be cancelled by rotating the VOL multifunction button.
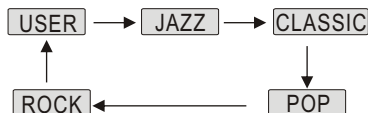
8. BAND BUTTON

In Radio mode, press it repeatedly to select the desired radio band: FM1, FM2, FM3, AM1(MW1), AM2(MW2) .

9. REL BUTTON

Press it to detachable the front panel.

10. EQ Button

Press the EQ button briefly to turn to equalization function and to select desired audio mode. There are five kinds of mode as below:

USER → JAZZ → CLASSIC

ROCK ← POP

Control Panel

11 ⏏ (EJECT) BUTTON
Insert the disc, label side facing up, until the mechanism senses its presence and draws the disc in. Press it to eject the disc.

12. IR sensor

13. USB PORT
For information about connecting a USB device, please see USB operation.

14.   AUXILIARY INPUT JACK
Insert an external device to this AUX jack in order to have audio output of the device through the unit.

15. LCD Display window

16. SD CARD SLOT

17. RESET BUTTON
Press this button to return to factory settings.

Touch Screen Operation

RADIO OPERATION

Listening to Radio

Touch the RADIO ICON in home menu to enter the RADIO mode:

Selecting The Frequency Band

Touch the screen of **" BAND "** section repeatedly to select the band , the message will show in turn :

FM1 → FM2 → FM3

AM2(MW2) ← AM1(MW1)

When an FM stereo broadcast is hard to receive

Press **ST/MO** button on the remote control to select the MONO or STEREO mode . (When Stereo mode is activated, the ST symbol will appear .)

Start Searching For a Station

Manual Search

During Radio mode, briefly touch " ▶ " to increase frequency by one step of channel spacing.
Briefly touch " ◀ " to decrease frequency by one step of channel spacing.

Automatic Search

During Radio mode, touch and hold (for more than 2 seconds) either " ◀ / ▶ " ICONS to start search for a radio station automatically.

To tune in strong-signal FM Station only (LO/DX function)

In radio mode, Press LOC button on the remote control or tap 🔍 icon to select select LOC/DX mode of Local and Long-distance traffic news.

Storing and Listening to a Memory Station

Setting Memory

With this system, a total of 30 stations can be stored in the memory of six buttons. Each band stores up to six preset stations. The stations might be FM1, FM2, FM3, AM1(MW1), and AM2(MW2) band.

The operation is as below :

Touch Screen Operation

- Store in Memory
  >Select the frequency band
  >Select the station
  >Press and the station until it show
the frequency band your select.

- Retrieve a preset station
  Touch the **1-6** ranges briefly to retrieve
a station which had been stored in the
memory in advance the chose number
is shown on display .

Automatic Memory Storing & Program Scanning

Automatic Preset Setup
In Radio Mode, touch and keep (for more
than 2 ' S) the screen of **" Q "** range to
active automatic station storage.

The radio searches within the current
frequency band, e.g. FM3, for the
stronger signal level until the search cycle
has finished . The six strongest stations
are then allocated to the corresponding
storage locations .

Then the station of the first storage
location is set .

Scan Function
In Radio mode, briefly touch the **" Q "**
section on the touch screen , the radio
briefly plays all the preset stations of the
frequency band .

Touch Screen Operation

Media Operation

In audio play mode, the message will display as below :
(When Parking Brake is applied .)

Mute function	
To select the Equalizer mode	
Fast forward	
Fast backward	
Intro Function	
To decrease the volume level	
To increase the volume level	
Loudness Function	
Subwoofer Function	
Play/Pause the playing	
To skip the next track	
To skip the previous track	
Repeat Function	
Random Function	
Previous menu	

The icons for other mode
(The same icon have the same function in each mode)

In PHOTO playing ,tap to change the photo direction.

ZOOM IN and OUT.

For page turning.

For page turning.

For page turning.

For page turning.

Touch Screen Operation

BASIC OPERATION

Stopping Play

▣

☝ Touch the screen the ■ range to stop the unit playback. touch the ▶❚ range to start play.

Pause (still picture)

▶❚

☝ Touch the " ▶❚ " section on touch screen during playback will stop play temporary, touch it again to return the normal playback .

Rapid Forward/Rapid Reverse

◀◀

▶▶

☝ During DISC playback, touch the screen of " ▶▶ / ◀◀ " range the speed of rapid forward/reverse changes according to the disc as follow:

Digital Video/VCD/CD/MP3:

Normal Playback 2x ▶ 4x ➔ 8x ➔ 20x
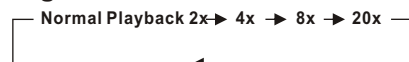
Skipping Track

◀◀

▶▶❙

☝ During DISC playback, Touch the ▶▶❙ / ❙◀◀ section on the touch screen to skip to next/back one track.

Note :
For some VCD2.0 disc (PBC-playback control), above these buttons may be unavailable .

Zoom Function

🔍

☝ Touch the button repeatedly, the displayshow as **"zoom 2, zoom 3, zoom 4 , zoom ½, zoom 1/3, zoom 1/4 , zoom off . "**

Use the direction keys (▲ / ▼ / ◀ / ▶ on remote control to move the enlarged picture .

Note:
when the JPEG disc playback, in normal mode, you can use the cursor buttons to rotate the picture .
Press UP to invert an image .
Press DOWN to mirror an image .
Press LEFT to rotate an image to left .
Press RIGHT to rotate an image to right .

SELECTING PLAY MODES

During the Disc playback, select the "RPT, RDM, INT " to select your favour play mode.

1). REPEAT FUNCTION

FOR Digital Video :
Tap the 🖭 icon or press the **RPT** button on the remote control to select REPEAT mode as follows :

CHAPTER REPEAT ON ➔ TITLE REPEAT ON

◀ REPEAT OFF ◀ REPEAT ALL

FOR VCD/CD :
Tap the 🖭 icon or press the **RPT** button on the remote control to select REPEAT mode as follows :

REPEAT ONE ⟶ REPEAT ALL

◀ REPEAT OFF ◀

FOR MP3 :
Tap the 🖭 icon or press the **RPT** button on the remote control) to select REPEAT mode as follows :

REPEAT ONE ⟶ REPEAT FOLDER(or DIR)

◀ REPEAT OFF ◀ REPEAT ALL
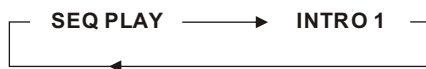
2). INTRO FUNCTION

FOR CD :
Tap the 📇 icon or press the **INT** button on the remote control to play the previous 10 seconds part of each track/chapter on disc.
(Touch it again to cancel this mode)

Touch Screen Operation

FOR VCD :

Press the **INT** button on the remote control. It display will following menu as below :

SEQ PLAY ⟶ INTRO 1

Note: when select the **INTRO** Mode, this player to start to play the previous 15 seconds part of each track/chapter on disc. (Touch it again to cancel this mode .)

FOR Digital Video/MP3 :
For Digital Video/MP3 , press the INT button is not available .

3). RDM(RANDOM) FUNCTION

During DISC playback, touch screen of " " section (press the **RDM** button on the remote control to play in random. Each play mode the order is different . (Depend on the disc used for VCD).
Touch it again to cancel this function .

Note : in random mode, the ◄◄ button is not available .

ON-SCREEN DISPLAY FUNCTION

OSD

During playback, touch the screen or press the **OSD** on the remote control, it will display the following as below :

Note: touch the screen or press the OSD on the remote control again to cancel the OSD information.

1. Digital Video , when it is on, it will display the information such as:

2. Example for VCD/SVCD, when it is on, it will display the information such as:

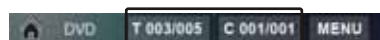3. Example for Movie or PHOTO . When it is on, it will display the information such as:

DISC Search (GOTO)

FOR Digital Video :
Touch the screen as show or press the GOTO button on remote control;

the screen will display the following message :

Touch the to select the your adjustment item, then select the item your favour by touching the numberic buttons , then touch the **OK** button to confirm .

Touch Screen Operation

FOR VCD (With PBC OFF) :
Touch the screen as show or press the
GOTO button on remote control;

the screen will display the following
message :

Touch the [< >] to select the your
adjustment item, then select the item
your favour by touching the numberic
buttons , then touch the **OK** button
to confirm .

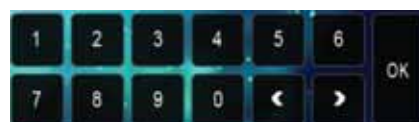**For Movie/Photo:**
Touch the screen as show or press the
GOTO button on remote control;

the screen will display the following
message :

Touch the [< >] to select the your
adjustment item, then select the item
your favour by touching the numberic
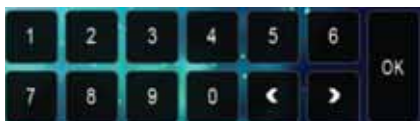buttons , then touch the **OK** button
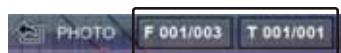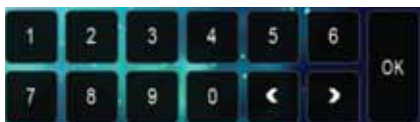to confirm .

Touch Screen Operation

Digital Video Special Function

1. Multi-subtitle Language Function (for Digital Video Only)

During Digital Video playback. Touch the [⬛OFF] icon on touch screen(or press the **SUBT** on the remote) .

Each time the button is pressed or touch, number of the subtitle language changes in sequential order.

Notes:
- The language number is different according to the disc.
- Some discs only contain one subtitle language.
- When no different subtitle language are recorded, "**INVALID KEY**" will be displayed at screen left top corner.

2. Multi-Audio Language Function

For Digital Video:
During Digital Video playback , touch the [⬛ 1/2] icon on touch screen (or press the **LANG**

on the remote .) Each time the button is pressed or touch , number of the audio soundtrack language changes on sequential order.

Notes:
- The language number is different according to the disc.
- Some disc only contain one language soundtrack
- When no different language soundtrack are recorded "**INVALID KEY**" will be display at screen left top corner.

For VCD/CD:
during playback, touch the **AUDIO** section of the touch screen or Press **AUDIO** on the remote . It is possible to switch the sound between monaural and stereo sound.

MONO LEFT → MONO RIGHT → MIX-MONO

STEREO

3. Multi-Angle Function (for Digital Video Only)

During Digital Video playback, touch the [ANG OFF] icon on the touch screen . Each time the button is pressed , the number of the angel changes in sequential order .

Notes:
- The angle number is different according to the disc.
- The function only work for disc having scenes recorded at different angles.
- When no different angle are recorded, "**INVALID KEY**" will be displayed at screen left top corner.

4. Title Menu Function

For Digital Video:
If the Digital Video has multiple titles recorded on the disc. It can select preferred title from the title menu to start playback.

- During Digital Video playback, press TITLE button on the remote .The title menu is display.
- Select preferred title by the cursor button and confirmed by press the ENTER button .

For VCD:
Press **TITLE/PBC** button on the remote control while the disc is playing, you can switch between "PBC ON"and "PBC off" mode.

Touch Screen Operation

AUX Operation

On the front panel of this unit, there is an AUX IN jack, follow the diagram below to connect analogue replay devices(only for the Audio connect, if you want to connect the Video, please plug the RCA <Video input > on the back of the unit .) . Use this jack to replay sound of other replay equipment such as Digital Video players, computers, etc. Via the loud-speakers.

1). Please connect the external device with stereo jack (3.5mm)plug the Aux in socket .

AUX IN JACK FRONT PANEL
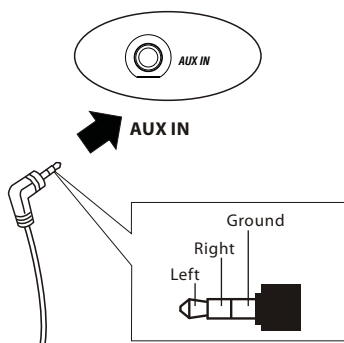
2). In radio mode, touch the screen of " 🔲 " ICON to enter the main menu, touch the " AUX " ICON to enter the AUX IN mode .

AUX INTERFACE 1

AUX INTERFACE 2

3). You now hear the sound from the external device played back through the loudspeakers .

The function of the icons as follow:

🔊 Tap to mute the sound.

🎚 Tap to select EQ as the same on the remote control.

◎ Tap to turn LOUD on or off.

▣ Tap to select subwoofer frequency.

🎵 🎵 Tap to adjust audio volume.

Touch Screen Operation

AV Operation

Please plug the RCA <Video input > on the back of the unit .

Touch the AV IN icon to enter the AV IN mode.

AV INTERFACE 1

AV INTERFACE 2

As the interface show, here is only the audio output, now tap the ■ icon, the picture of the auxiliary input video show on the display and tap the display again to turn to audio mode.

Now you can watch the video from your External video equipment such as Digital Video players, computers, etc.

The function of the icons as follow:

◀)) Tap to mute the sound.

⫴ Tap to select EQ as the same on the remote control.

◎ Tap to turn LOUD on or off.

◎ Tap to select subwoofer frequency.

♪ ♪ Tap to adjust audio volume.

Note: To ensure safety while driving and to comply with lows, drivers should not watch video or operate the video device while driving.

Touch Screen Operation

USB OPERATION

Following the diagram below, connect your USB device to the front panel USB port . If it is properly connected, the device will be mounted and start playing automatically.
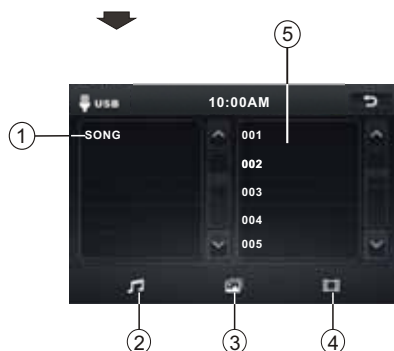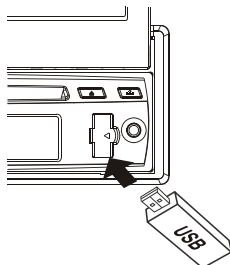
1 Current type (highlighted bar) .

2 Audio play mode select.

3 Picture play mode select.

4 Movie play mode select,

5 Current play track .

Card OPERATION

The unit can support playback MP3/WMA/ JPEG/MP4 and Divx format which are stored on SD memory cards .
Please read the following instructions before you start using a memory card .
Inserting the card as follow:
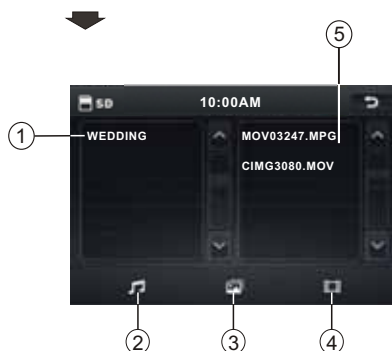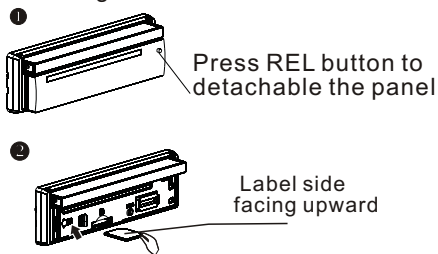
Press REL button to detachable the panel

Label side facing upward

1 Current type (highlighted bar) .

2 Audio play mode select.

3 Picture play mode select.

4 Movie play mode select,

5 Current play track .

Touch Screen Operation

STEERING WHEEL CONTROL

Touch the SWC icon as follow to turn to steering wheel control .

During setting, touch the 🔙 icon to turn to home menu.

There are 2 KEY for total 12 buttons to save, first, tap Assign to open function save, then select button 1 in KEY 1 on steering wheel and tap the 🔊 icon, the icon show in button 1 position then touch Confirm, final turn the unit on again, the 🔊 function will save in button 1 of KEY 1.

The function of the icons as follow:

Assign Touch to begin function save.

Confirm After selection touch to confirm operation.

**Reset** Touch this icon to cancel the input and resume load.

High-z When electric resistance is too low, touch this icon to increase.

Low-z When electric resistance is too high, touch this icon to reduce.

Parental Control

Q: After inserting a Digital Video disc into the disc slot, if a dialogue box pops up and asks you to input a password, what should you do ?

A: The playing disc is locked by a rating level of parental control. If the current rating level of parental control of the Digital Video player is lower than the one of current disc, you must input the correct password of parental control to unlock the parental control and enter a rating level equal to or higher than one of the current disc in order to play the disc.

*   For factory preset password of parental control of Digital Video player, please see the part of Media Setup Menu.

Appendix: Parental Control

Parental Control function of a Digital Video player can control playback of movie ratings on a disc. You can set the Digital Video player to be a certain rating level of parental control using the Media Setup Menu. If the rating level of parental control of a disc is higher than the one of the Digital Video player, the Digital Video player cannot play the disc.

The Digital Video movie can be designed so that the Digital Video player can play different versions of content of a particular movie according to the different rating levels of parental control. Depending on the Digital Video features, the scenes that are not suitable for children will be cleared or replaced by suitable scenes automatically.

The rating levels of Parental Control are as follows:

        Unlock
1   Kid Safe
2   G
3   PG
4   PG 13
5   PG R
6   R
7   NC 17
8   Adult

Region Code for DVD

*   Region Code

If you insert a disc into the disc slot and REGION ERROR is displayed, the car multi-media system can not play the disc. The reason is that the region codes of the car multi-media system and the used disc do not match each other.

Appendix: Region code of Digital Video

Motion Picture Association of America (MPAA) divided the world into 6 regions, and gave every region a region code for locking and unlocking Digital Video playback.

Basically, a coded Digital Video player can play only the discs if its region code is the same as the code of the Digital Video player. Otherwise, it cannot play the disc.

Please note that only the Digital Video discs and Digital Video players produced by the 8 biggest film-making companies of America impose this restriction. The Digital Video discs and Digital Video players not produced by the 8 biggest film-making companies of America are not restricted by the rule of region code. Generally, they are called Free Region Code or Full Region Code.

The problems caused by area code inconsistency has motivated the production of unlocked version Digital Video players and recodable Digital Video players .

Region codes and the countries or areas represented by region codes are as follows:

Region 1: America, Canada, East-Pacific Inlands;
Region 2: Japan, West Europe, North Europe, Egypt, South Africa, Middle East;
Region 3: South-east Asian countries include Taiwan, Hong Kong, South Korea,
           Thailand, indonesia, etc.;
Region 4: Australia, New Zealand, Central South America, South Pacific Inlands;
Region 5: Russia, Mongolia, Indian Peninsula, Middle Asia, East Europe, North
           Korea, North Africa, North-west Asia etc.;
Region 6: China mainland.

The 8 biggest film-making companies of America are as follows:

1. WarnerBros;
2. Columbia;
3. 20thCenturyFOX;
4. Paramount;
5. Universal;
6. UA(UnitedArtist);
7. MGM(MetroDogwynMayer);
8. WaltDisney

Specification

General :

Supply Voltage:	12V DC (11V-15V)
Current Consumption:	Less than10 A
Signal System:	Compositive video 1.0Vp-p 75Ω
Discs Played:	(1)DIGITAL-VIDEO Disc
	5"(12 cm) single-sided, single-layer
	5"(12 cm) single-sided, double-layer
	(2)Compact Disc (CD-DA, VIDEO CD)
	5"(12cm) disc

Audio Signal Output:	2ch&4ch line out	
Characteristics:	(1)Frequency Response	20 Hz - 20 KHz
	(2)S/N Ratio	90 dB (JIS)
	(3)Wow and Flutter	Below measurable limits

RADIO Section:

	For 2 Bands (Europe)	For 2 Bands (U.S.A.)
	FM	FM
Frequency Coverage:	87.5 to108 MHz	87.5 to107.9 Mhz
IF:	10.7 MHz	10.7 MHz
Sensitivity (S/N = 30 dB):	15 dBu	15dBu
	MW	AM
Frequency Coverage:	522 to1620 KHz	530 to1710 KHz
IF:	450 KHz	450 KHz
Sensitivity (S/N = 20 dB):	40 dBu	40 dBu

TFT Monitor:

Monitor Screen Size:	7 Inch Wide
Color System:	NTSC/PAL

NOTE:

Specifications and design are subject to modification, without notice, due to improvements in technology.

Troubleshooting

Before going through the check list, check wiring connection. If any of the problems persist after check list has been made, consult your nearest service dealer.

SYMPTOM	CAUSE	SOLUTION
No power	The car ignition switch is not on	If the power supply is properly connected to the car accessory terminal,switch the ignition key to "ACC"
	The fuse is blown	Replace the fuse
Disc can not be loaded or ejected	Presence of disc inside the player.	Remove the disc in the player, then put a new one
	Inserting the disc in reverse direction	Insert the compact disc with the label facing upward
	The disc is extremely dirty or defective	Clean the disc or try to play a new one
	Temperature inside the car is too high	Cool off or until the ambient temperature return to normal
Video/image appears black-white	The color system is set incorrectly	Please switch to correct color system from menu
No video/image appears	The unit is not connected to the parking brake detection switch	Make proper connection according to"wire connection"
	The parking brake is not engaged	For safety reasons no video/ images are displayed while the vehicle is moving. Engaging the parking brake will cause images to be displayed.
No color in picture	The disc format is not according to the TV-set used (PAL/NTSC)	Please choose a proper color system.
JPEG disc can not be played back	No JPEG files are recorded on the disc.	Change the disc
	JPEG files are not recorded in a compliant formant	Change the disc Record JPEG files using a compliant application
The operation keys do not work	The built-in microcomputer is not operating properly due to noise	Press the RESET button. Front panel is not properly fixed into its place
The radio does not work	The antenna cable is not connected	Insert the antenna cable firmly
	The signals are too weak	Select a station manually

Made in China

88-J8305-07