Safety Information

CD NOTES
• PLAYING A DEFECTIVE OR DUSTY CD CAN CAUSE DROPOUTS IN SOUND.
• HOLD CDS AS ILLUSTRATED.
• DO NOT TOUCH THE UNLABELED SIDE.
• DO NOT ATTACH ANY SEAL, LABEL OR DATA PROTECTION SHEET TO EITHER SIDE OF A DISC.
• DO NOT EXPOSE A CD TO DIRECT SUNLIGHT OR EXCESSIVE HEAT.
• WIPE A DIRTY CD FROM THE CENTER OUTWARD WITH A CLEANING CLOTH.
• NEVER USE SOLVENTS SUCH AS BENZINE OR ALCOHOL.
  THIS UNIT CANNOT PLAY 3-INCH (8CM) CD S.
• NEVER INSERT A 3-INCH CD CONTAINED IN THE ADAPTER OR AN IRREGULARLY SHAPED CD.
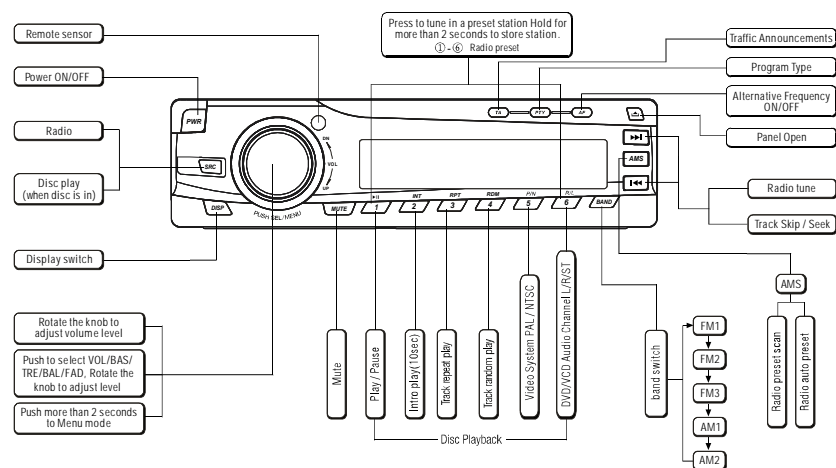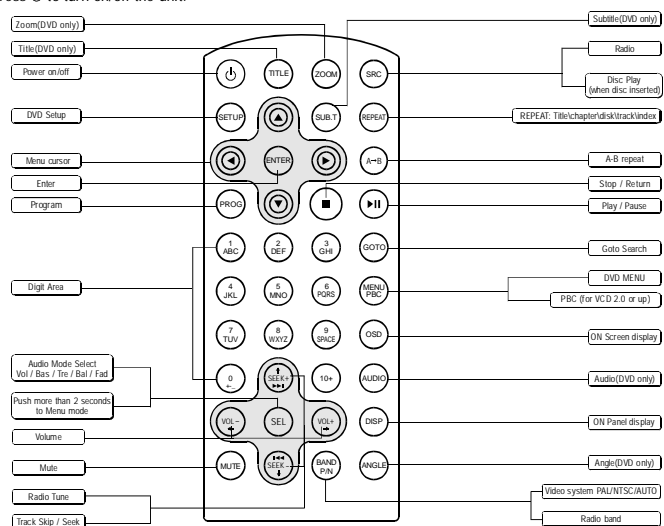 THE UNIT MAY NOT BE ABLE TO EJECT IT, RESULTING IN A MALFUNCTION.

Contents

Panel Controls

Power On/Off : Press PWR to turn on/off the unit.

Remote Controls

Power On/Off : Press ⏻ to turn on/off the unit.

Left labels (top to bottom):
- Zoom(DVD only)
- Title(DVD only)
- Power on/off
- DVD Setup
- Menu cursor
- Enter
- Program
- Digit Area
- Audio Mode Select Vol / Bas / Tre / Bal / Fad
- Push more than 2 seconds to Menu mode
- Volume
- Mute
- Radio Tune
- Track Skip / Seek

Remote buttons:
⏻ | TITLE | ZOOM | SRC
SETUP | SUB-T | REPEAT
◀ ENTER ▶ | A↔B
PROG | ■ | ▶‖
ABC | 2 DEF | 3 GHI | GOTO
4 JKL | 5 MNO | 6 PQRS | MENU/PBC
7 TUV | 8 WXYZ | 9 SPACE | OSD
0 | SEEK+ | 10+ | AUDIO
VOL− | SEL | VOL+ | DISP
MUTE | SEEK− | BAND P/N | ANGLE

Right labels (top to bottom):
- Subtitle(DVD only)
- Radio
- Disc Play (when disc inserted)
- REPEAT: Title\chapter\disk\track\index
- A-B repeat
- Stop / Return
- Play / Pause
- Goto Search
- DVD MENU
- PBC (for VCD 2.0 or up)
- ON Screen display
- Audio(DVD only)
- ON Panel display
- Angle(DVD only)
- Video system PAL/NTSC/AUTO
- Radio band

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Getting Started

Press the ⏏ button to open the panel and press ▲ to eject the disc.

Disc Eject   Slot ,Insert the disc
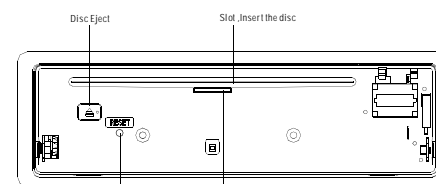
RESET HOLE   Panel status indication:
Note: Pressing the RESET hole will erase   When the panel slide down it will light up.
the clock setting and stored stations.   When the panel detached from body it will flash.

Remote control operating range

The remote control can operate within a distance of 3～5m.

Remote sensor
30°   30°
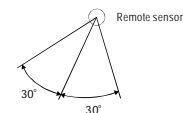
Replacing the lithium battery of remote control unit.

* When the range of the operation of the card remote control becomes short or no functions while operating. Replace the battery with a new lithium battery. Make sure the battery Polarity replacement is correct.

1. Pull out the battery holder while pressing the stopper.
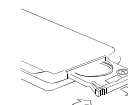
2. Insert the button-type battery with the stamped(+) mark facing upward.
   Insert the battery holder into the remote control.

(CR 2025)

4
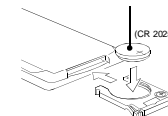
General Operation

SWITCHING ON AND OFF

1.Press PWR to turn on the unit.

2.Press SRC once or more to select your desired function: DISC, Tuner(Radio).

3.Press PWR to power off.

4.When you switch off the system or car ignition, the settings, tuner presets and the volume level will be retained in the unit's memory.

VOL Knob Function

Push the knob to select VOL/BAS/TRE/BAL/FAD, Rotate the knob to adjust.

- VOLUME control
  Display shows the volume level VOL and number from 0 to 63.

  `VOL    63`

- BASS control
  Display shows the Bass level.

  `BAS  -7  +7`

- TREBLE control
  Display shows the TREBLE level.

  `TRE  -7  +7`

- BALANCE control
  Display shows the BALANCE level.

  `BAL  L7  R7`

- FADER control
  Display shows the FADER level.

  `FAD  R7  F7`

Rotary Knob Menu

Press the knob more than 2 seconds to enter menu mode, then each press changes the mode as follows:

TA VOL mode → EQ ON / OFF mode → LOUD ON / OFF mode → BEEP ON / OFF → 12/24 Hours mode

VOL LAST/ADJ mode ← RETUNE mode ← TA seek mode

TA VOL mode: Rotate the knob to adjust TA volume.

EQ mode: Rotate the knob to select EQ sound effect.

ROCK → POP → CLASSIC → FLAT → EQ OFF

LOUD mode: Rotate the knob to choose loud on or off.

BEEP ON/OFF mode: Rotate the knob to choose button beep sound on or off.

Rotary Nnob Menu

12/24 Hours mode: select 12 hours mode or 24 hours mode.

TA mode: Rotate the control to choose TA ALARM or TA SEEK mode. If the TA (traffic Announcements)is turned on and there is no traffic
program identification code received in the specified time, no TA/TP will display and either TA ALARM or TA SEEK will be activated.

TA ALARM mode : Alarm is turned on.   TA SEEK mode: TA SEEK is automatically activated.

```
TA ALARM                      TA SEEK
```

RETUNE mode: RETUNE-S or RETUNE-L is time length selection of TA SEEK retune interval.
Rotate the control to   RETUNE-S: short, TA SEEK Retune interval is 45 seconds.
choose RETUNE-S   RETUNE-L: long, TA SEEK Retune interval is 180 seconds.
or RETUNE-L   REMARK: RETUNE mode functions for TA during TA SEEK mode only.

```
RETUNE_S

RETUNE_L
```

VOL LAST / ADJUST MODE

Press knob to choose VOL LAST : the turn-on volume
level is the volume level of latest power off.
Rotate knob to choose VOL ADJ,
then rotate the knob to set the turn-on volume level .

```
VOL LAST                      VOL ADJ
```

Radio and Clock

BAND: 1.Press PWR to power on, then press SRC once or more to select tuner.
Press BAND once or more to select FM1, FM2, FM3, AM1,AM2.
Display shows wave band, frequency, and preset station number if already stored.

FM1→FM2→FM3→AM1→ AM2

Tune: Radio tune by step manually: Press ◄◄ or ►► less than 0.5 seconds.
Radio seek automatically: Press ◄◄ or ►► more than 0.5 seconds.
Press either ①-⑥ button to store the selected station.
In North and South America the frequency step in the AM and FM band are 10KHz and 200KHz respectively.
In the rest of the world this step is 9KHz and 50KHz. Usually the frequency step has been factory preset.

AMS : Auto Memory Store
Press AMS briefly to scan the preset station①-⑥ for 5 seconds each. Hold more than 2 seconds, the 6
strongest available station will be automatically saved in the memory of preset button ①-⑥ .

Clock Display
Press DISP once or more to display clock time for 5 seconds.

Clock Setting
1. Press DISP more than 2 seconds, minute display blinks, rotate the knob to set minute.
3. Press the knob once, hour display blinks, rotate the knob to set hour.
4. Press DISP again to exit.

RDS (Radio Data System)

RDS service availability varies with areas. Please understand if RDS service is not available in you area, the following service is not available.

RDS Basics

AF (Alternative Frequency) When the radio signal strength is poor, enabling the AF function will allow the unit to automatically search another station with the same PI (program identification) as the current station but with stronger signal strength.

PS (Program Service name) The name of station will be display instead of frequency.

AF Mode: Press AF function less than 2 second to switch AF mode on and off.
    AF on: AF function is activated.
    AF off: AF function is disabled.

Remark: AF indicator on LCD will flash until RDS information is received. If RDS service is not available in your area, turn off the AF mode.

REG Mode: Press AF for more than 2 second to switch REG mode on and off.
    REG on: AF function will implement the regional code (of the PI) and only stations in the current region can be tuned automatically.
    REG off: AF function will ignore the regional code (of the PI) and stations in the other regions can also be tuned automatically.

```
33C A4
```
```
REG ON
```
```
REG OFF
```

RDS (Radio Data System)

Traffic Announcements

Some RDS FM stations periodically provide traffic information.

TP (Traffic Program Identification) Broadcasting of traffic information

TA (Traffic Announcements Identification) Radio announcements on traffic conditions

TA Mode: Press TA to turn on / off the TA function.
    When TA mode is turned on, the TA indicator will blink.
    When traffic announcement is received, the TA indicator will display.
    The unit will temporarily switch to the tuner mode
    (regardless of the current mode) and begin broadcasting the announcement at
    TA volume level. After the traffic announcement is over, it will
    return to the previous mode and volume level. When TA is turned on, SEEK, SCAN, AMS
    function can only be received or saved when traffic program identification (TP) code is received.

```
TRAFFIC
```

EON (Enhanced Other Networks)

When EON data is received, the EON indicator lights and the TA and AF functions are enhanced.

TA: Traffic information can be received from the current station or stations in other network.

AF: The frequency list of preset RDS stations is updated by EON data. EON enables the radio to make fuller use of RDS information. It constantly updates the AF list of preset stations, including the one that currently tuned into. If you preset a station around the area at your home, you will later be able to receive the same station at an alternative frequency, or any other station serving the same program, EON also keeps track of locally available TP stations for quick reception.

RDS (Radio Data System)

RDS service availability varies with areas. Please understand if RDS service is not available in you area, the following service is not available.

PTY Reception (Program Type)

RDS FM stations provide a program type identification signal.
Example: news, rock, info, sport, etc.

PTY Mode: press PTY to turn on the Program Type reception,
the previous PTY type is shown. Press PTY once
again to enter the MUSIC type or press twice to enter
the SPEECH type, then use buttons ①—⑥ to select
the desired program type. The selected PTY type is
shown and searching starts if no other function is
selected for 2 seconds. If there is no corresponding
program type, NO PTY is shown and the unit will
return to normal mode.

NEWS

PTY Type Preset

Press PTY once to enter the MUSIC type or
press PTY twice to enter the SPEECH type.
Then use function ①—⑥ to select the desired
program type.

PRESET NO .	MUSIC TYPE	SPEECH TYPE
1	POP M	NEWS
		AFFAIRS
	ROCK M	INFO
2	EASY M	SPORT
		EDUCATE
	LIGHT M	DRAMA
3	CLASSICS	CULTLURE
		SCIENCE
	OTHER M	VARIED
4	JAZZ M	WEATHER
		FINANCE
	COUNTRY	CHILDREN
5	NATIONAL M	SOCIAL
		RELIGION
	OLDIES M	PHONE IN
6	FOLK M	TRAVEL
		LEISURE
		DOCUMENT

Disc Playback

Disc Load / Eject

Load : press ⏏ button to slide down
the panel. Insert the disc into
the slot .

Eject : press ⏏ button to slide down
the panel. Press ▲ to eject the
disc .

1. When disc inserted, display shows LOAD and then READ.
   For MP3 or disc with mixed files, reading time may exceed 1 minute.

2. ERROR will be displayed if error found in disc operation.

3. For VCD/CD, VCD or CD icon will appear on the display.

4. While MP3 files playback, MP3 icon will appear on the display.

5. For DVD, DVD icon will appear on the display and TITLE appears.
   Press ENTER or ▶■ to play.

LOAD

01-00.22

READ--

ERROR

Disc Playable

DISC supported

CD, HDCD, CD-R/RW, VCD, SVCD, DVD, DVD-R, DVD-RW, DVD+R, DVD+RW, DVD-ROM.

File type supported

Audio file: MP3(*.mp3), WMA(*.wma)
Video file: MP4(optional):DIVX and XVID(*.avi and *.divx)
       MPEG 2(*.vob)
       MPEG 1(*.dat)
Picture file: JPEG(*.jpg)
MP3 file: ISO 9660 or ISO 9660 + Joliet format - Max. 30 characters
       Max. Track number is 448
       Max. nested directory is 8 levels
       The max. album number is 99
       The max. length of each track is 99 minutes 59 seconds
       Supported sampling frequency for MP3 disc :8KHz to 48KHz (44.1KHz preferably)
       Supported bit-rates of MP3 disc are: 32 - 320 kbps (128 kbps preferably)

Disc and file NOT supported

*.ACC, *.DLF, *.M3U, *.PLS, MP3 PRO files and files with DRM.
Open session discs

Audio/Video/Picture File Playback

When MUSIC / PICTURE / VIDEO file is played, Category/Folder/File list will be displayed on the screen, and file/folder name being played will be displayed on top. Current selected item will be highlighted.

Category Select

Use ◄ / ► to select   ♫ AUDIO
                 🖼 PICTURE
                 ► VIDEO

Press ENTER to confirm.

On the remote control

Folder Name   File Name

[Maria]01-MOONL 16.MP3

Folder List
01.Paul
02.Kevin
03.Mario
04.Richard
05.1

File List
01.01-MOONLIG
02.02-ENTERIN
03.03-FIGHT
04.04-NEW WOR
05.05-GODS OF
06.06-ROYAL
07.07-TWILIGH
08.08-PHANTOM

Category List
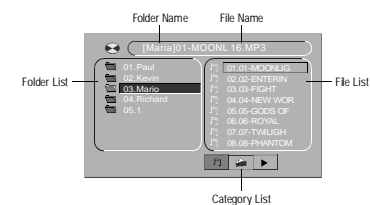
Folder Select
Use ◄ / ► to enter folder list and use ▲ / ▼ to select desired folder, press ENTER to confirm.

File Select
Use ◄ / ► to enter file list and use ▲ / ▼ to select desired file, press ENTER to play back, press ■ to return.
For PICTURE, press ►■ to slide show the pictures, press PROG to select picture showing style.
For MUSIC, press ■ will enter intro logo, then press ►■ to return.

Track Playback

Select desired track
- Press ⏮ or ⏭ to skip to next track.
- use 1 - 9 and 0, 10+ buttons on the remote control to select desired track number.

Fast forward / backward during playback
Press ⏮ or ⏭ for more than 2 seconds once or more to select X2, X4, X8, X20 to fast backward or forward track during playback.
- During the fast forward or backward operation, press ▶II briefly to playback again.
- During the fast forward or backward operation, the volume will be muted.

INTRO(for CD/VCD only)
You can play the beginning of every track for 10 seconds in sequence.
1. During playback, press INT once.
   -INT ON/OFF will appear on the display.
2. Press INT again to select the current track.

INT
2
On the panel

Random track playback (For CD/VCD/MP3 Only)
You can play all the tracks in random order.
1. During playback, press RDM once or more.
   -RDM icon will appear on the display.
2. Press RDM again to select normal playback.

RDM
4
On the panel

REPEAT
During playback, press RPT once or more.
- RPT icon will appear on the display.
- For VCD/CD: Display appears
  RPT ONE ⟶ RPT ALL ⟶ RPT OFF
- For DVD: Display appears
  RPT CHAP ⟶ RPT TITL ⟶ RPT OFF
- For File disc: Display appears
  RPT ONE ⟶ RPT DIR ⟶ RPT ALL ⟶ RPT OFF

Note: If you do not select RPT on, when the entire disc or TITLE playback has finished, the system will stop . If no other control, after 5 minutes the unit will into standby mode.

REPEAT
On the remote control

RPT
3
On the panel

REPEAT A→B
Selected desired passage to repeat playback.
- Press A→B once to select starting point. Display shows REPEAT A.
- Press A→B again to select ending point. Display shows REPEAT A→ B, and selected passage start to replay.
- Press A→ B once again to exit. Display shows A →B CANCELLED.

A→B
On the remote control

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Track Playback

PAUSE
- During playback, press ▶II to pause playback.
- The sound will be muted.
- Display "PAUSE" in the TV screen, display and blink "PAUSE" on the panel display.
  Press ▶II again to continue playback.

▶II
On the remote control
▶II
1
On the panel

PBC - Playback Control (For VCD only):
1. If you insert a VCD with PBC, playback starts from the beginning of the 1st track automatically.
2. Press PBC to show menu, use ⏮ / ⏭ or digit button to select desired track. Press ■ to return to menu. Press PBC again to exit menu.
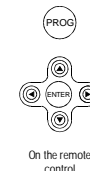
PBC
On the remote control

GO TO
Goto desired track/chapter or time point directly. Press GOTO button on the remote control, track or DVD Title/Chapter and time display on top of the screen. Current item is highlighted.
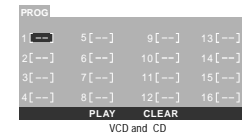Use ◄ /► to select desired item. Use digit button to select number. Press enter to confirm.

GOTO
On the remote control

Program
- Press PROG to enter program list. Use ▲ / ▼ or ◄ / ► cursor and digit button to enter number.
  For DVD and File disc, select title and chapter number.
  For VCD and CD, select track number.
- Press ▶II to play, or move the cursor to select "PLAY" and press ENTER to play.
- If you want to delete the list, move the cursor to "CLEAR", press ENTER to delete all the list set before.
- Press PROG again to exit program play.

PROG

ENTER

On the remote control

PROG			
T C	T C	T C	T C
PLAY	CLEAR		

DVD and File disc

PROG			
1	5[--]	9[--]	13[--]
2[--]	6[--]	10[--]	14[--]
3[--]	7[--]	11[--]	15[--]
4[--]	8[--]	12[--]	16[--]
PLAY	CLEAR		

VCD and CD

16
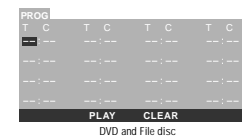
DVD Playback

DVD Audio Select
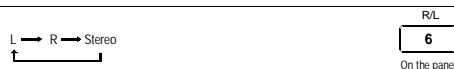Press AUDIO or R/L to select audio language to listen if the DVD has multiple audio languages.

AUDIO
On the remote control

R/L
6
On the panel

VCD Audio Select
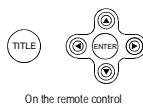Press R/L to select audio channel to listen.

L → R → Stereo

R/L
6
On the panel

DVD Subtitle Select
Press SUB.T to select the subtitle language to show if the DVD has multiple language subtitles.

SUB.T
On the remote control

DVD TITLE Select
Press TITLE to display title or chapter list, use ◄/► or ▲/▼ cursor or digit number to select, press ENTER to play.

TITLE   ENTER

On the remote control

DVD Angle Select
Press ANGLE to select different angle to view if the DVD has multiple-angle views.

ANGLE
On the remote control

ZOOM
Press ZOOM button, the picture will be zoomed accordingly.

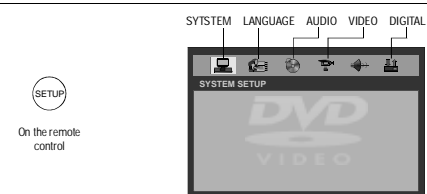X2 — X3 — X4 — X1/2 — X1/3 — X1/4 — OFF

ZOOM
On the remote control

DVD Setup

Press SETUP to display setup menu on the screen.
Use ◄/► to select setup items:
SYTSTEM - LANGUAGE - AUDIO - VIDEO - DIGITAL

SETUP
On the remote control

SYTSTEM LANGUAGE AUDIO VIDEO DIGITAL

SYSTEM SETUP

DVD
VIDEO

DVD System Setup

Use ◄/► , ▲/▼ to select and ENTER to confirm.

TV System

SYSTEM SETUP
TV SYSTEM   ► NTSC
SCREEN SAVER   PAL60
VIDEO   PAL
TV TYPE   AUTO
PASSWORD
RATING
DEFAULT
EXIT SETUP
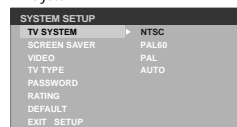
Select the TV system in the setting menu.

Screen Saver

SYSTEM SETUP
TV SYSTEM
SCREEN SAVER   ► ON
VIDEO   OFF
TV TYPE
PASSWORD
RATING
DEFAULT
EXIT SETUP
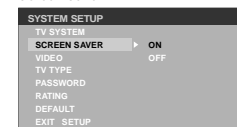
The screen saver appears if disc stop last more than 3 minutes.
Original setting: Open.

Video Output Mode

SYSTEM SETUP
TV SYSTEM
SCREEN SAVER
VIDEO   ► INTERLACE-YUV
TV TYPE   TV-RGB
PASSWORD   P-SCAN YPBPR
RATING   S-VIDEO
DEFAULT
EXIT SETUP
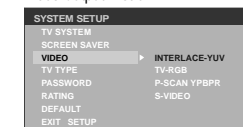
Original setting: INTERLACE-YUV.

DVD System Setup

Setting TV type

```
SYSTEM SETUP
  TV SYSTEM
  SCREEN SAVER
  VIDEO
  TV TYPE        ▶   4:3 PS
  PASSWORD           4:3 LB
  RATING             16:9
  DEFAULT
  EXIT  SETUP
```
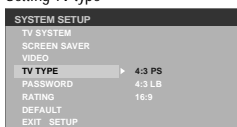
Select TV type to watch wide screen movies.
4:3 Pan Scan: For 4:3 TV, left and right edges will be cut.
4:3 Letter Box: For 4:3 TV, black bars will appear on top and bottom.
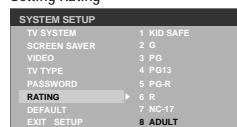16:9: For 16:9 wide screen TV.

Load Default

```
SYSTEM SETUP
  SOURCE
  TV SYSTEM
  VIDEO
  TV TYPE
  PASSWORD
  RATING
  DEFAULT        ▶   RESTORE
  EXIT  SETUP
```

If this item is selected, the unit will return to original setting.

Setting Password

```
SYSTEM SETUP
  TV SYSTEM
  SCREEN SAVER
  VIDEO
  TV TYPE
  PASSWORD       ▶   ------ 🔒
  RATING
  DEFAULT
  EXIT  SETUP
```

Original password is 0000.

Setting Rating

```
SYSTEM SETUP
  TV SYSTEM         1  KID SAFE
  SCREEN SAVER      2  G
  VIDEO             3  PG
  TV TYPE           4  PG13
  PASSWORD          5  PG-R
  RATING         ▶  6  R
  DEFAULT           7  NC-17
  EXIT  SETUP       8  ADULT
```

The rating of the disc is from 1 to 8:
(1) with the most limits when playing.
(8) with the least limits when playing.
Original setting: 8
Note:
The rating can be selected only under the password unlocked status, and the limits can be worked only under the password locked status.

DVD Language Setup

OSD Language

```
LANGUAGE SETUP
  OSD LANGUAGE   ▶  ENGLISH
  AUDIO LANG        CHINESE
  SUBTITLE LANG     GERMAN
  MENU LANG         SPANISH
                    FRENCH
  EXIT  SETUP       PORTUGUESE
```

Select on screen display language of the DVD .

Menu Language

```
LANGUAGE SETUP
  OSD LANGUAGE      CHINESE
  AUDIO LANG        ENGLISH
  SUBTITLE LANG     JAPAN
  MENU LANG      ▶  FRENCH
                    SPANISH
  EXIT  SETUP       PORTUGUESE
                    GERMAN
                    LATIN
```

Select menu language of the DVD from which are contained in the DVD.

Audio Language

```
LANGUAGE SETUP
  OSD LANGUAGE      CHINESE
  AUDIO LANG     ▶  ENGLISH
  SUBTITLE LANG     JAPAN
  MENU LANG         FRENCH
                    SPANISH
  EXIT  SETUP       PORTUGUESE
                    LATIN
                    GERMAN
```

Select audio language of the DVD from which are contained in the DVD.

Subtitle Language

```
LANGUAGE SETUP
  OSD LANGUAGE      CHINESE
  AUDIO LANG        ENGLISH
  SUBTITLE LANG  ▶  JAPAN
  MENU LANG         FRENCH
                    SPANISH
  EXIT  SETUP       PORTUGUESE
                    GERMAN
                    OFF
```

Select subtitle language of the DVD from which are contained in the DVD.

DVD Audio Setup

Digital Output

```
AUDIO SETUP
AUDIO OUT        ▶    SPDIF/OFF
KEY                   SPDIF/RAM
                      SPDIF/PCM
EXIT  SETUP
```
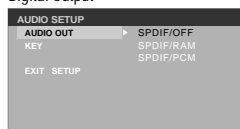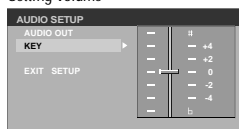
Select digital output format.
APDIF/OFF: There is no signal output from coaxial or optical output.
SPDIF/PCM: When the unit is connected with the amplifier by coaxial or optical connecter, please select this mode.
SPDIF/PCM: When the unit is connected with the two-channel digital stereo amplifier, please select this mode.
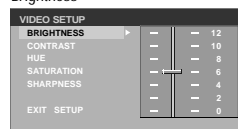
Setting Volume

```
AUDIO SETUP
AUDIO OUT            —    ll
KEY            ▶     —    +4
                    —    +2
EXIT  SETUP         —    0
                    —    -2
                    —    -4
                    —    b
```

Setup the volume with the ▲ / ▼ buttons.

DVD Video Setup

Brightness

```
VIDEO SETUP
BRIGHTNESS      ▶    —    12
CONTRAST             —    10
HUE                  —    8
SATURATION           —    6
SHARPNESS            —    4
                    —    2
EXIT  SETUP          —    0
```

Set the brightness of the video output with ▲ / ▼ .

Contrast

```
VIDEO SETUP
BRIGHTNESS           —    12
CONTRAST        ▶    —    10
HUE                  —    8
SATURATION           —    6
SHARPNESS            —    4
                    —    2
EXIT  SETUP          —    0
```
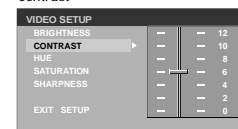
Set the contrast of the video output with ▲ / ▼ .

Hue

```
VIDEO SETUP
BRIGHTNESS           —    +6
CONTRAST             —    +4
HUE             ▶    —    +2
SATURATION           —    0
SHARPNESS            —    -2
                    —    -4
EXIT  SETUP          —    -6
```
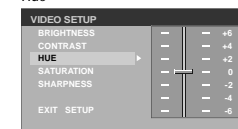
Set the hue of the video output with ▲ / ▼ .

Saturation

```
VIDEO SETUP
BRIGHTNESS           —    12
CONTRAST             —    10
HUE                  —    8
SATURATION      ▶    —    6
SHARPNESS            —    4
                    —    2
EXIT  SETUP          —    0
```
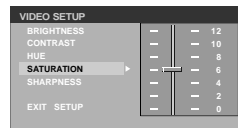
Set the saturation of the video output with ▲ / ▼ .

Sharpness

```
VIDEO SETUP
BRIGHTNESS
CONTRAST
HUE                  —    8
SATURATION           —    6
SHARPNESS       ▶    —    4
                    —    2
EXIT  SETUP          —    0
```
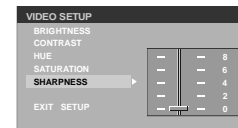
Set the sharpness of the video output with ▲ / ▼ .

DVD Digital Setup

Output Mode

```
DIGITAL SETUP
OP MODE          ▶ LINE OUT
DYNAMIC RANGE      RF REMOD
DUAL MONO

EXIT  SETUP
```
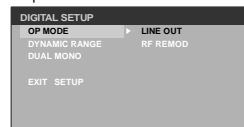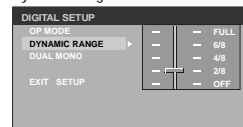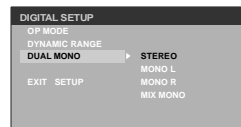
Select the output mode:
LINE OUT: Compress the input signal.
The volume is small.
RF REMOD: The volume is large.

Dynamic Range

```
DIGITAL SETUP
OP MODE             ▬  ▬ FULL
DYNAMIC RANGE ▶     ▬  ▬ 6/8
DUAL MONO           ▬  ▬ 4/8
                    ▬  ▬ 2/8
EXIT  SETUP         ▬  ▬ OFF
```

When you select the compressed mode
as "line out", select it to adjust the
compression proportion and get the
different compressed effect.
When select FULL, the audio signal is
minimum; when select OFF, the audio
signal is maximum.

DUAL MONO
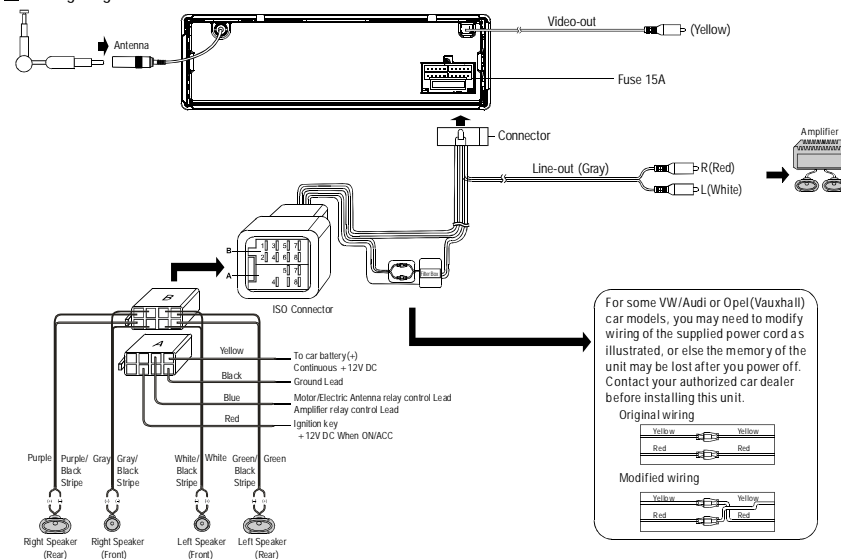
```
DIGITAL SETUP
OP MODE
DYNAMIC RANGE
DUAL MONO      ▶   STEREO
                   MONO L
EXIT  SETUP        MONO R
                   MIX MONO
```

Select the audio channel from STEREO,
MONO L, MONO R and MIX MONO.

Electrical Connections

■ Wiring Diagram

Antenna

Video-out — (Yellow)

Fuse 15A

Connector

Line-out (Gray) — R(Red) / L(White)

Amplifier

ISO Connector

Yellow — To car battery(+)
Continuous +12V DC
Black — Ground Lead
Blue — Motor/Electric Antenna relay control Lead
Amplifier relay control Lead
Red — Ignition key
+12V DC When ON/ACC

Purple / Purple/Black Stripe / Gray / Gray/Black Stripe / White/Black Stripe / White / Green/Black Stripe / Green

Right Speaker (Rear) / Right Speaker (Front) / Left Speaker (Front) / Left Speaker (Rear)

For some VW/Audi or Opel(Vauxhall)
car models, you may need to modify
wiring of the supplied power cord as
illustrated, or else the memory of the
unit may be lost after you power off.
Contact your authorized car dealer
before installing this unit.

Original wiring
Yellow — Yellow
Red — Red

Modified wiring
Yellow — Yellow
Red — Red

Electrical Connections

■ **Using the ISO Connector**
1.If your car is equipped with the ISO connector, then connect the ISO connectors as illustrated.

2. For connections without the ISO connectors, check the wiring in the vehicle carefully before connecting,
incorrect connection may cause serious damage to this unit.
Cut the connector, connect the colored leads of the power cord to the car battery, as shown in the colour
code table below for speaker and power cable connections

LOCATION	FUNCTION	
	Connector **A**	Connector **B**
1		Rear Right (+) - Purple
2		Rear Right (-) - Purple / Black Stripe
3		Front Right (+) - Gray
4	ACC+/red	Front Right (-) - Gray / Black Stripe
5	Auto Antenna/blue	Front Left (+) - White
6		Front Left (-) - White / Black Stripe
7	Battery 12V(+)/yellow	Rear Left (+) - Green
8	Ground/black	Rear Left (-) - Green / Black Stripe

Installation Guide

■ **Installation Procedures**
First complete the electrical connections,and then check for correctness.

■ **Reset**
Press ⏏ button to flip down the panel. Then press
the Reset button with a pointed object to reset the
unit to the original status.
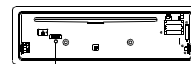
Reset

Note: Press the RESET button will erase the clock setting
and stored stations.

Important: Remove these two screws before
installation. Otherwise, the DVD
Player will not work.

■ **Installation Opening**

This unit can be installed in any dashboard
having an opening as shown above. The
dashboard should be 4.75 mm - 5.56 mm
thick in order to be able to support the unit.

❶ **Insert mounting collar into the dashboard,and bend the
mounting tabs out with a screwdriver.**
Make sure that lock lever (※) is flush with the mounting
collar (not projecting outward).

Lock lever (※)
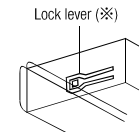
Mounting bolt
rubber cushion
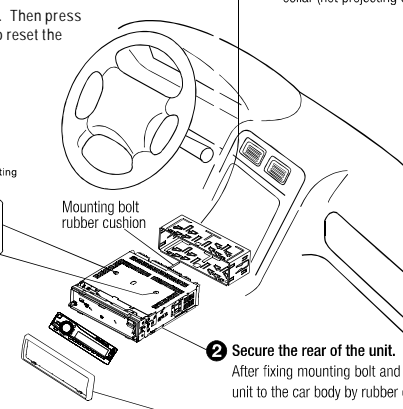
❷ **Secure the rear of the unit.**
After fixing mounting bolt and power connector, fix the rear of the
unit to the car body by rubber cushion.

❸ **Insert trim plate.**

Anti-Theft System

This unit is equipped with a flip-down detachable panel.
Panel can be detached and taken with you, helping to deter theft.

Removing the panel
1.Press PWR button to switch off the power of the unit.
2.Press ⏏ button to flip down the panel.
3.Hold the middle of the panel. Take off one end, and then take off the other end.
4.Place the panel into the case and take it with you when you leave the car.

Install the panel
1.Hold the panel and ensure the panel faces toward you , and set the right side of the panel in the panel bracket.
2.Press the right side of the panel until it locks.

Remove the unit
1. Remove the panel and the trim plate.
2. Insert both T-Keys into hole on the front of the set until they lock.
3. Pull out the unit.

Pull

Insert
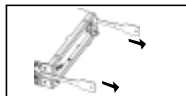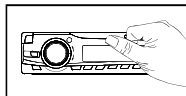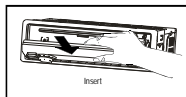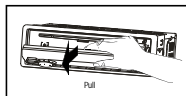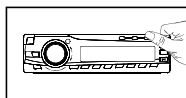
Trouble shooting

If you suspect something is wrong immediately switch power off. Do not use the unit in abnormal condition, for example without sound, or with smoke or foul smell, can cause fire or electric shock. Immediately stop using it and call the store where you purchased it. Never try to repair the unit yourself because it is dangerous to do so.

■ General

| No power or no sound | ▶ | Car's engine switch is not on. Turn your car's key to ACC or ON. Cable is not correctly connected. Check connection. Fuse is burnt. Replace fuse. Check volume or mute on / off. If the above solutions cannot help, Press the RESET button. |

■ Disc

Disc is inside but no sound.	▶	Disc is upside down. Place disc in the correct direction, and the label side up. Disc is dirty or damaged Clean disc or change another disc.
Disc sound skips, tone quality is low.	▶	Disc is dirty or damaged. Clean CD or change another CD.
Sound skips due to vibration.	▶	Mounting angle is over 30°. Adjust mounting angle to less than 30°.
	▶	Unstable mounting. Mount the unit securely with the mounting parts.

■ Radio

| Noise in broadcasts | ▶ | Station is too far, or signals are too weak. Select other stations of higher signal level. |
| Preset station lost | ▶ | Battery cable is not correctly connected. Connect the battery cable to the terminal that is always live. |

■ Error Display Messages

| ERR | ▶ | Disc is dirty, damaged or upside down. Press ⏏ to eject the disc. |
| When video file initializing time is too long | ▶ | File read error or file type not supported. Press SRC to exit. Then press SRC to play disc again. |

Specifications

■ General

Power supply:	12V DC(11V-16V)
	Test voltage 14.4V, negative ground
Maximum power output:	50Wx4 channels
Continuous power output:	25Wx4 channels (4 Ω 10% T.H.D.)
Suitable speaker impedance:	4-8 ohm
Pre-Amp output voltage:	2.0V(CD play mode: 1KHz, 0 dB, 10 K Ω load)
Fuse:	15A
Dimensions(WxHxD)	178x50x166mm
Weight:	1.7kg

■ FM Stereo Radio

Frequency range:	87.5-108.0 MHz (Europe)
	87.5-107.9 MHz (America)
Usable sensitivity:	8 dBμ
Frequency response:	30 Hz-15KHz
Stereo separation:	30dB(1KHz)
Image response ratio:	50dB
IF response ratio:	70dB
Signal/noise ratio	>55dB

Note: Specifications and the design are subject to change
without notice due to improvements in technology.

■ AM(MW) Radio

Frequency range:	522-1620 KHz (Europe)
	530-1710 KHz (America)
Usable sensitivity(S/N=20dB):	30 dBμ

■ Disc Player

System:	Disc digital audio system
Frequency response:	20 Hz - 20 KHz
Signal/noise ratio:	>80 dB
Total harmonic distortion:	Less than 0.20%(1 KHz)
Channel separation:	>60 dB
Video signal format system:	PAL/NTSC
Video:	
video output:	1±0.2V
horizontal nesowtiou:	≥500 lines

■ Components

Mounting collar	1
Machine screws M5x6 mm	4
M4x6 mm	4
Mounting bolt (50 mm)	1
Wire connector	1
Removable face plate case	1
Trim plate	1
T-key	2
Operating Instructions	1
Rubber cushion	1
Remote control	1