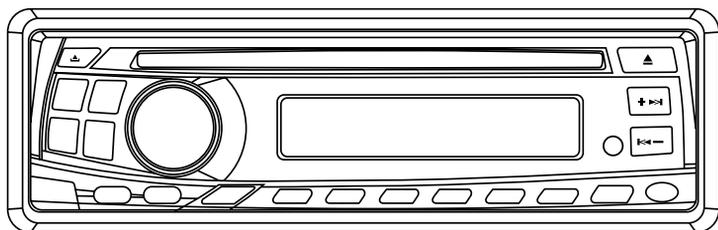
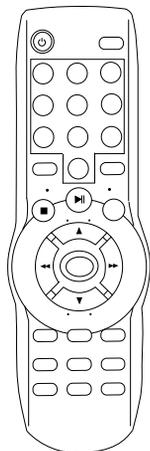


Goodmans

INSTRUCTION MANUAL



**Model GCE 5005DVD
In Car DVD/CD Player with
Monitor**



023286



IMPORTANT SAFEGUARDS

DANGER

LASER SAFETY

CAUTION: USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO THE LASER



This unit employs a laser. Only a qualified service person should remove the cover or attempt to service.

CAUTION

No user serviceable parts inside. Refer servicing to qualified service personnel.

IMPORTANT NOTES

Hearing is very important to you and to us so please take care when operating this equipment . It is strongly recommended that you follow the listed guidelines in order to prevent possible damage or loss of hearing.

ESTABLISH A SAFE SOUND LEVEL

- Over time your hearing will adapt to continuous loud sounds and will give the impression that the volume has in fact been reduced. What seems normal to you may in fact be harmful.
- To guard against this **BEFORE YOUR HEARING ADAPTS** set the volume at a low level.
Slowly increase the level until you can hear comfortably and clearly and without distortion.
- Damage to your hearing is accumulative and is irreversible.
Any ringing or discomfort in the ears indicates that the volume is too loud.
- Remember listening for prolonged period of time at high volume levels will harm your hearing.

Once you have established a comfortable listening level. DO NOT INCREASE THE SOUND LEVEL FURTHER.

The following list of typical sound levels may assist you recognizing just how loud you have set the volume level.

DECIBEL

<u>Level (dB)</u>	<u>Example</u>
30dB	Quiet library, soft whispers
40dB	Living room, fridge freezer, bedroom away traffic
50dB	Normal conversation, quiet office, light traffic
60dB	Electric sewing machine
70dB	Vacuum cleaner, hair dryer, noisy restaurant

THE FOLLOWING NOISE CAN BE HARMFUL UNDER CONSTANT EXPOSURE

80dB	Average city traffic, alarm clock buzzer at 2 feet, loud mixer
90dB	Motorcycle, heavy goods vehicle, petrol lawn mower.
100dB	Pneumatic drill, chain saw, garbage truck, discotheque night-club
120dB	Rock band concert, thunderclap fast train passing by.

PERMANENT LOSS OF HEARING

140dB	THRESHOLD OF PAIN Gunshot 2 feet away, jetplane taking off.
-------	--

□ Features

Compatible with PAL DVD (Video CD) and NTSC DVD

This player can play discs recorded in either PAL or NTSC format.

- The supplied remote will control all of the basic functions including audio/subtitle language and multi-angle selections.

Note on Placement of LCD Screens:
When placing the LCD screens, please ensure that they are not in the view of the driver and do not obstruct the driver. Failure to observe these instructions can lead to prosecution for driving without due care and attention.

□ Use This Product Safely

When Car Washing

Do not expose this product to water or excessive moisture. This could cause electrical shorts, fire or other irreparable damage.

When Parked

Parking in direct sunlight can produce very high temperatures inside your vehicle. Allow the interior to cool down before starting play.

Use the Proper Power Supply

This product is designed to operate with a 12 volt DC, negative ground battery system.

Protect the Disc Mechanism

Do not insert any foreign objects into the slot of this player.

Failure to observe this may cause malfunction due to the precise mechanism of this unit.

Use Authorized Service Centers

Do not attempt to disassemble or adjust this precision product. Please refer to the Service Center list included with this product for service assistance.

Installation

The unit should be installed in a horizontal position with the front end up at a convenient angle, but not more than 30°.

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SAFETY INFORMATION

CAUTION:

THIS IN-CAR DVD PLAYER IS A CLASS I LASER PRODUCT. HOWEVER THIS IN-CAR DVD PLAYER USES A VISIBLE/INVISIBLE LASER BEAM WHICH COULD CAUSE HAZARDOUS RADIATION EXPOSURE IF DIRECTED. BE SURE TO OPERATE THE IN-CAR DVD 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 ATTEMPT TO 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 SUPPLIED 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 Macrovision 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 IN-CAR DVD Player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc. If the Region number described on the DVD disc does not correspond to the Region number of this IN-CAR DVD Player, this IN-CAR DVD Player cannot play this disc. The region code for this player is 2.

DISC NOTES

Disc formats supported by this player



DVD
12 cm disc



Video CD
12 cm disc



CD
12 cm disc



MP3
12 cm disc

Discs which cannot be played with this player

- DVD-ROM
- DVD-R/ DVD-RAM
- CDV
- CD-G

Handling and Cleaning

- Dirt, dust, scratches and warped discs will cause misoperation.
- Do not place stickers or make scratches on discs.
- Do not allow discs to become warped or bent.
- A disc should always be kept in its case when not in use to prevent damage.
- 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.

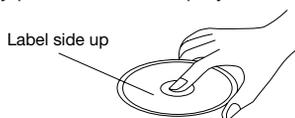
Disc Cleaning

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 damage the surface of the disc and leave it unusable.

Note:

A disc may become scratched (although not enough to make it unusable)

depending on how you handle it and conditions in the usage environment. Note these scratches are not an indication of any problem with the player.



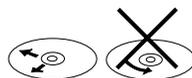
Label side up



Do not touch the underside of the disc



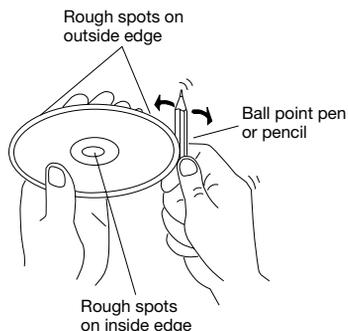
Do not bend



Wipe the disc from center toward the outside edge not circular

Preparing New Discs with Rough Spots

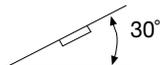
A new disc may have rough edges on its inside and outside edges. If a disc with rough edges is used, the player may not play the disc. Therefore, remove the rough edges in advance by using a ballpoint pen or pencil as shown below. To remove the rough edges, press the side of the pen or pencil against the inside and outside edges of the disc.



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 unauthorised parts may 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.



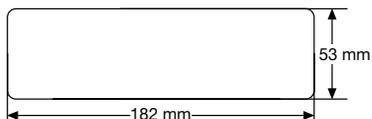
- Avoid installing the unit where it would be subject to high temperature, such as from direct sunlight, or from hot air, from the heater, or where it would be subject to dust, dirt or excessive vibration.

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.

DIN FRONT-MOUNT (Method A) Installation Opening

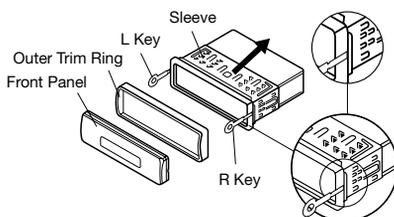
This unit can be installed in any dashboard having an opening as shown below:



Installing the unit

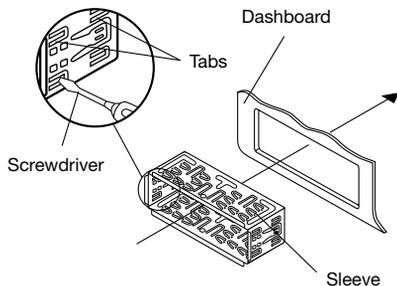
Be sure you test all connections first, and then follow these steps to install the unit.

1. Make sure the ignition is turned off, and then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Disconnect the wire harness and the aerial.
3. Press the release button on the front panel and remove the control panel (see the steps of "removing the front panel").
4. Lift the top of the outer trim ring then pull it out to remove it.
5. The two supplied keys release tabs inside the unit's sleeve so you can remove it. Insert the keys as far as they will go (with the notches facing up) into the appropriate slots at the middle left and right sides of the unit. Then slide the sleeve off the back of the unit.

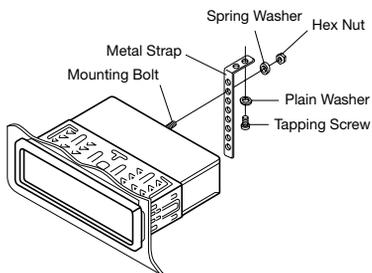


INSTALLATION

6. Mount the sleeve by inserting the sleeve into the opening of the dashboard and bend the tabs located around the sleeve with a screwdriver. Not all tabs will be able to make contact, so examine which ones will be most effective. Bending the appropriate tabs behind the dashboard to secure the sleeve in place.



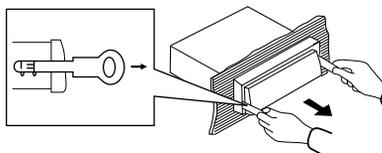
7. Connect the wire harness and the aerial and be careful not to pinch any wires or cables.
8. Slide the unit into the sleeve until it locks into place.
9. To further secure the unit, use the supplied metal strap to secure the back of the unit in place. Use the supplied hardware (Hex Nut (M5mm) and Spring Washer) to attach one end of the strap to the mounting bolt on the back of the unit. If necessary, bend the metal strap to fit your vehicle's mounting area. Then use the supplied hardware (Tapping Screw (5x25mm) and Plain Washer) to attach the other end of metal strap to a solid metal part of the vehicle under the dashboard. This strap also helps ensure proper electrical grounding of the unit.
Note to install the short threading terminal of the mounting bolt to the back of the unit and the other long threading terminal to the dashboard.



10. Reconnect the cable to the vehicle battery's negative (-) terminal. Then replace the outer trim ring and install the unit's front panel. (see the steps of "installing the front panel").

Removing the unit

1. Make sure the ignition is turned off, then disconnect the cable from the vehicle battery's negative (-) terminal.
2. Remove the metal strap attached the back of the unit (if attached).
3. Press the release button to remove the front panel.
4. Lift the top of the outer trim ring then pull it out to remove it.
5. Insert both of the supplied keys into the slots at the middle left and right sides of the unit, then pull the unit out of the dashboard.

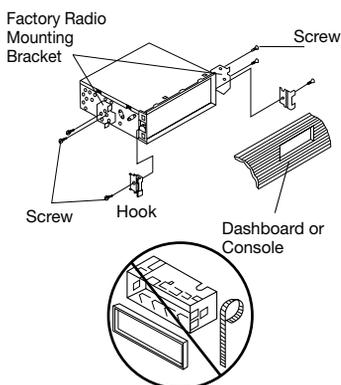
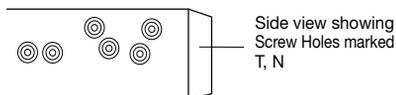


INSTALLATION

DIN REAR-MOUNT (Method B)

If your vehicle is a Nissan, Toyota, follow these mounting instructions.

Use the screw holes marked T (Toyota), N (Nissan) located on both sides of the unit to fasten the unit to the factory radio mounting brackets supplied with your vehicle.



To fasten the unit to the factory radio mounting brackets.

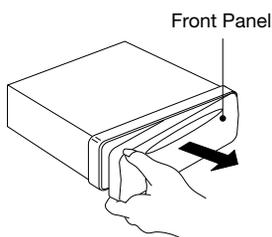
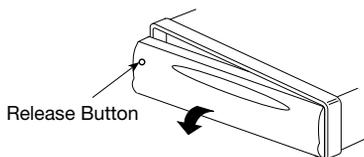
1. Use a screwdriver to loosen the screws of the hooks on the front left and right sides of the unit and remove the hooks.
2. Align the screw holes on the bracket with the screw holes on the unit, and then tighten the screws (5x5mm) on each side.

Note: the outer trim ring, sleeve and the metal strap are not used for method B installation.

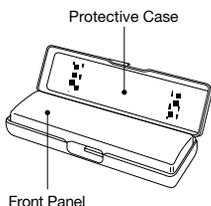
USING THE DETACHABLE FRONT PANEL

REMOVING THE FRONT PANEL

1. Press the release button on the front panel and pull off the front panel.

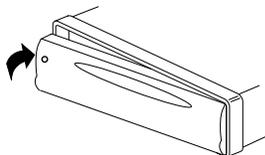


2. Keep the front panel in the case.



INSTALLING THE FRONT PANEL

To install the front panel, insert the panel into the housing and make sure the panel is properly installed. Otherwise, abnormality may occur on the display and some keys may not function properly.

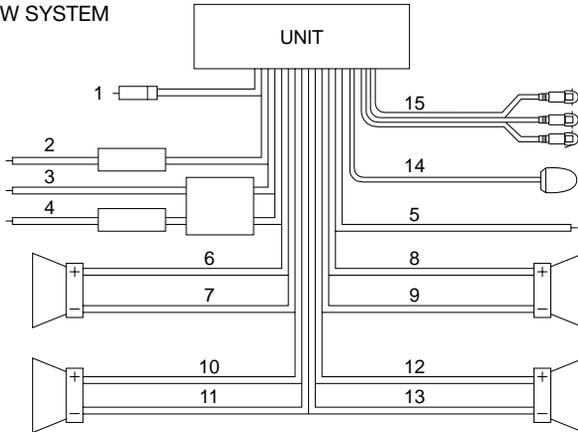


Precautions when handing

1. Do not drop the front panel.
2. Do not put pressure on the display or control buttons when removing or installing the front panel.
3. Do not touch the contacts on the front panel or on the main unit body. It may result in poor electrical contact.
4. If any dirt or foreign substances is adhered to the contacts, use a clean and dry cloth to remove any such dirt or foreign substances.
5. Do not expose the front panel to high temperatures or direct sunlight.
6. Do not allow any volatile agents (e.g. Petroleum products, thinner or insecticides) to come into contact with the surface of the front panel.
7. Do not attempt to disassemble the front panel.

WIRING CONNECTION

FOR 4 x 40W SYSTEM



REAR VIEW OF PLAYER

- | | |
|--|---|
| 1) AERIAL INPUT SOCKET | 10) REAR LEFT POSITIVE: BROWN WITH BLACK STRIPE |
| 2) BATTERY: RED +12 VOLT IGNITION | 11) REAR LEFT NEGATIVE: BROWN WITH BLACK STRIPE |
| 3) GROUND: BLACK - | 12) REAR RIGHT POSITIVE: YELLOW WITH BLACK STRIPE |
| 4) MEMORY: ORANGE | 13) REAR RIGHT NEGATIVE: YELLOW WITH BLACK STRIPE |
| 5) AUTO AERIAL: ORANGE/WHITE | 14) REMOTE CONTROL RECEIVER |
| 6) FRONT LEFT POSITIVE: GREY | 15) AV OUT CABLE - AUDIO R OUT (RED) |
| 7) FRONT LEFT NEGATIVE: GREY WITH BLACK STRIPE | - AUDIO L OUT (WHITE) |
| 8) FRONT RIGHT POSITIVE: WHITE WITH BLACK STRIPE | - VIDEO OUT (YELLOW) |
| 9) FRONT RIGHT NEGATIVE: WHITE | |

RECOMMENDED MINIMUM LOUDSPEAKER POWER RATINGS

Front loudspeakers minimum power ratings 2 x 30 Watts RMS (2 x 60 Watts Music)
Rear loudspeakers minimum power ratings 2 x 30 Watts RMS (2 x 60 Watts Music)

TWO SPEAKER WIRING

If you intend to use only two speakers with this radio select either front or rear wiring

INSTALLATION NOTES

(APPLICABLE TO BOTH 2 AND 4 SPEAKER CONNECTION)

This radio contains two separate power amplifiers, to prevent possible damage to these amplifiers please ensure:

- 1) The vehicle chassis is not used as a loudspeaker earth (-ve return).
- 2) Front and Rear loudspeaker connecting wires are not joined together.
- 3) Any wires not used when completing a two speaker installation are fully insulated.
- 4) The memory wire (Orange) is connected to a permanent +12V supply.
- 5) The power wire (Red) is connected via the ignition switch of the vehicle.

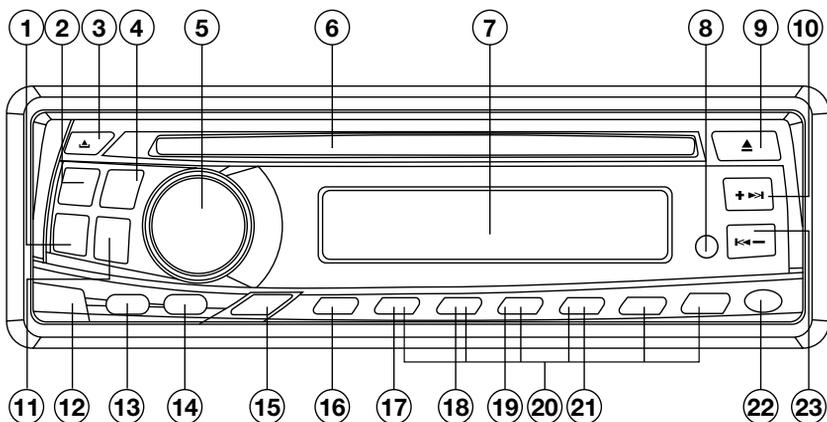
Note: Before turning the unit ON for the first time after installation please ensure the RESET button is pressed to reset the microprocessor.

IMPORTANT NOTE

If after directly connecting the unit via the vehicles ISO connector plugs it does not appear to work (fails) to power up disconnect the orange lead bullet connector and reconnect to the twin bullet connector socket on the red wire. Try the unit again it should power up and can be used normally. Note this phenomenon is most frequent in Volkswagen/Audi vehicles.

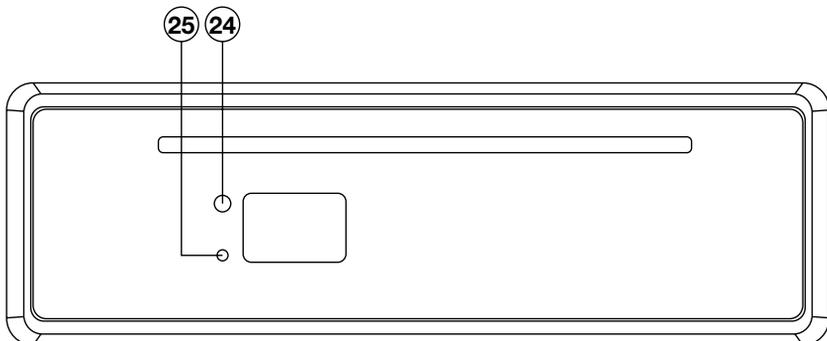
LOCATION AND FUNCTION OF KEYS

THE PLAYER



- | | |
|---------------------------|------------------------|
| 1. TA | 13. ST/TITL |
| 2. S~M | 14. BND/MEN |
| 3. ▲ | 15. SEL |
| 4. PWR (power button) | 16. AMS ■ |
| 5. VOLUME knob | 17. ► |
| 6. Disc Slot | 18. SCN |
| 7. Liquid Crystal Display | 19. RPT |
| 8. RX | 20. 1~6 preset buttons |
| 9. ▲ | 21. SHF |
| 10. MANU/SKIP +>> | 22. MOD (SW) |
| 11. AF/REG | 23. MANU/SKIP <<<- |
| 12. PTY (←) | |

When the front panel is removed:

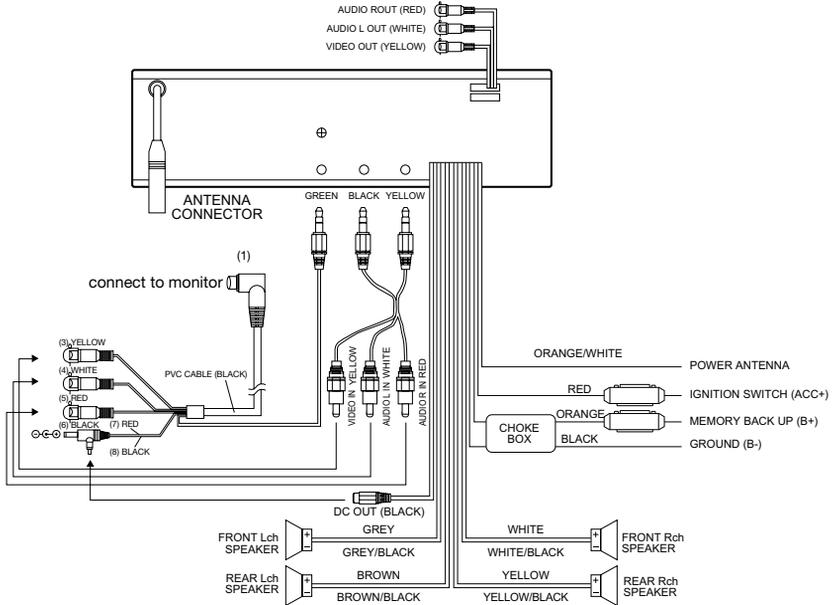


24. LED

25. RESET button

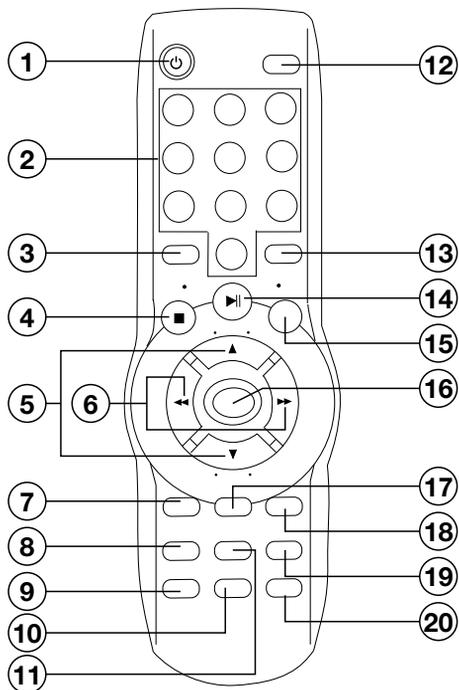
LOCATION AND FUNCTION OF KEYS

THE REAR PANEL

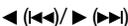
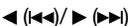


LOCATION AND FUNCTION OF KEYS

REMOTE CONTROL



LOCATION AND FUNCTION OF KEYS

1.  POWER Press POWER to turn the unit ON or OFF.
2. 0-9 Numeric buttons
3. DISC (SMART) In DVD changer mode, press DISC button to select another disc. In DVD mode, press it shortly to enter SMART MODE function. (For details, refer to the following text).
4.  Press to stop playback.
5.  /  Press  to search forward rapidly &  to search back rapidly.
When viewing a menu,  /  buttons are used as cursor buttons to select item up/down.
6.  /  Press  to skip to the next track & press  to skip back to previous track.
When listening to the radio, press  /  briefly to auto search to manually tune. Press and hold  /  until MANUAL is shown on the display. Use  /  to manually tune to the required station.
When viewing a menu,  /  buttons are used as cursor buttons to select item left/right.
7. SUB-T Change the SUBTITLE language on multi-subtitle language DVD disc.
8. SETUP Display the SETUP menu.
9. MODE Change between radio mode and disc (DVD/CD/MP3) play mode.
10. ANGLE Change the viewing angle on multi-angle DVD disc.
11. TITLE Display the TITLE menu that is stored in DVD disc.
In radio mode, use to switch between mono or stereo mode.
12. DISP Display statistical disc information during playback.
13. MENU (BAND) In DVD mode, display the root menu that is stored on the DVD disc.
In radio mode, use to change the frequency band.
14.  Press to play/pause the disc.
15. SLOW (ZOOM) Slow motion playback (For DVD).
Allows the picture to be increased in size.
16. ENTER Confirm the Track/Chapter selected with the numeric buttons or selected with the cursor buttons on the screen display.
Press and hold it for several seconds to mute the sound.
When listening to (RDS) Radio, press briefly to change the selected program type (PTY) as follow:
PTY MUSIC group -> PTY SPEECH group -> PTY off.
17. AUDIO Press and hold the button for several seconds to change the AUDIO soundtrack on multi-audio soundtrack DVD disc.
Press the button briefly to change the sound mode, between CLASSICAL, POP and ROCK.
18. VOL+ Press VOL+ button to increase the volume level.
19. SEL Press to select the desired adjustment mode (Bass, treble, balance, fader, volume). Then use VOL+/- to change settings.
20. VOL- Press VOL- button to decrease the volume level.

REMOTE CONTROL

Preparing the Remote Control

Inserting the Batteries

1. Open the battery compartment cover.
2. Insert the new battery. Make sure that the positive and negative terminals of the battery are oriented as indicated.

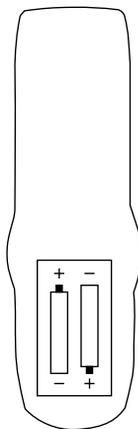
3. Close the cover.

Battery: Two AAA size battery.

Using the Remote Control

Point the remote control towards the player front face remote sensor **RX** (remote control signal receiver).

Operation angle: About ± 30 degree in each the direction of the front of the remote sensor.



LOADING/EJECTING A DISC

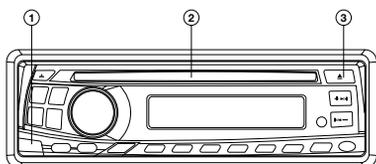
Loading a Disc

When all connections have been completed, load a disc as follows:

1. Turn the ignition on to the accessory position.
2. Press the **PWR** button (1) on the front panel or **POWER** button on the remote control to turn on the unit.
3. Insert the disc with printed side facing up into the disc slot (2).
4. The player starts playback automatically.

Ejecting a Disc

Press **▲** button (3) on the front panel or **▲** (EJECT) button on the remote control to eject the disc.



OPERATION

BASIC OPERATION

SWITCHING ON/OFF THE UNIT

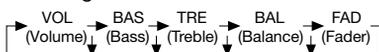
Press **PWR** button on the front panel or **POWER** button on the remote control to turn on the unit.

FACEPLATE RELEASE

Press **▲** button on the front panel to detach the removable faceplate.

SOUND ADJUSTMENT

Press **SEL** button on the front panel of the unit or on the remote control to select the desired adjustment mode. The adjustment mode will change in the following order:



By rotating the **VOLUME** knob on the front panel or **VOL+/-** buttons on the remote control clockwise or counter-clockwise, it is possible to adjust the desired sound quality.

LOUDNESS

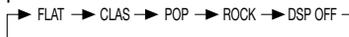
Press and hold **BND/MEN** button on the front panel for several seconds or press **MENU (BAND)** button on the remote control to reinforce the bass output. Press **BND/MEN** button on the front panel for several seconds again or press **MENU (BAND)** button on the remote control again to deactivate this function.

MUTE

Press and hold the **PTY** button on the front panel or **ENTER** button on the remote control for several seconds to mute the sound instantly. Repeat process again to return the sound to previous level.

EQUALISATION

Press **AUDIO** button on the remote control briefly to turn on equalisation function and to select desired audio mode. Press repeatedly to scroll through the available options as follow:



When selecting **FLAT/CLAS/POP** the bass and treble setting made in the **SEL** menu will be overwritten to create the respective audio effect. The bass and treble settings in the **SEL** will be restored when **DSP OFF** is selected.

MODE SELECTION

Press **MOD** button on the front panel of the unit or **MODE** button on the remote control to select radio or disc (DVD/CD/MP3) playback mode.

FLASHING LED

When the front panel is removed, the LED will automatically flash to indicate that the front panel has been removed.

REMOTE SENSOR

Point the remote control handset towards the remote sensor **RX**. Press the function keys on the handset to control the system.

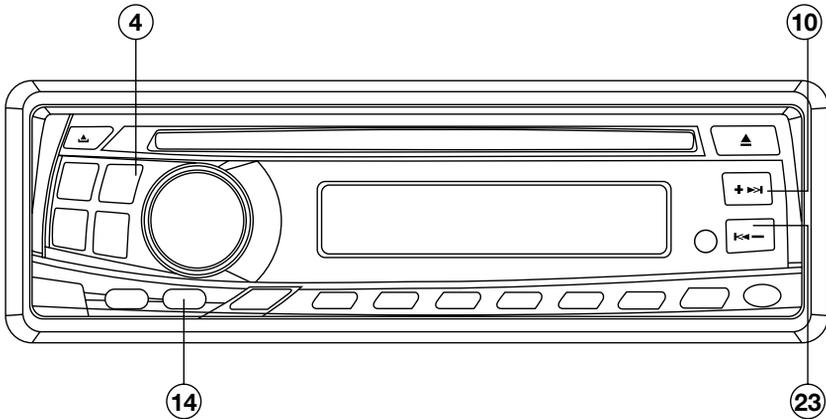
RESET FUNCTION

RESET button on the housing must be pressed with either a ballpoint pen or thin metal object. The **RESET** button should be used for the following reasons:

- Initial installation of the unit when all wiring is completed.
- All the function buttons do not operate.
- Error symbol on the display.

Note: if the unit still does not respond after pressing the reset button, ensure that it is installed correctly and then use a cotton swab soaked in isopropyl alcohol to clean the play and socket on the front panel.

Radio reception **AUTOMATIC TUNING (SEEK)**

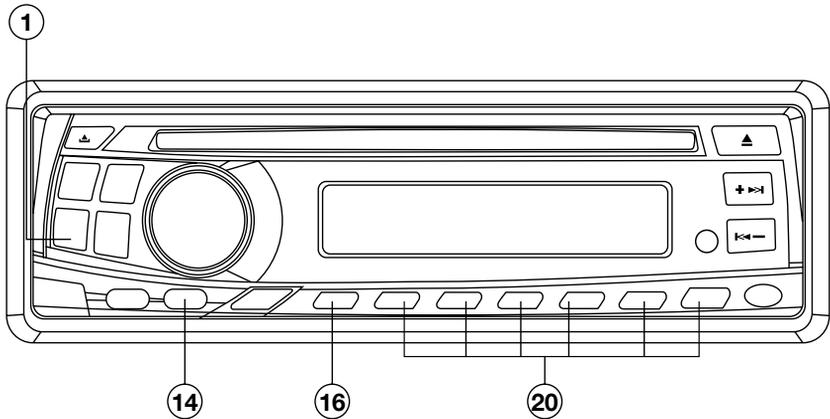


1. Press the PWR button (4) to turn on the unit.
2. Press BND/MEN (FM/MW/LW) (14) to select the desired band, FM1, FM2, FM3, MW or LW.
3. Press MANU/SKIP UP (➡▶) (10) or MANU/SKIP DOWN (◀◀) (23).
The unit will automatically search for a station up or down the band and stop when a receivable station is found.
When there are many strong stations the automatic tuning may stop frequently.

MANUAL TUNING

1. Press the PWR button (4) to turn on the unit.
2. Press BND/MEN (14) to select the desired band, FM1, FM2, FM3, MW or LW.
3. Press and hold MANU/SKIP UP (➡▶) (10) or MANU/SKIP DOWN (◀◀) (23) until "MANUAL" is shown on the display. Repeatedly press MANU/SKIP UP (➡▶) (10) or MANU/SKIP DOWN (◀◀) (23) to tune to the required station.

MEMORY PRESET TUNING



Auto Station Preset (AMS Function)

- Select FM1, FM2 or FM3.
- Press and hold the AMS button (16) for more than 2 seconds (Auto Preset Memory).
- The 6 strongest available stations will be automatically saved in the memory on preset button 1 - 6 (20).

Notes:

- a. The complete band will be scanned and as each strongest station is received it will automatically be placed in the preset 1-6 memory locations.
- b. Any stations that were entered into the AMS memory before the AMS operation commenced will be erased or repositioned after AMS operation has been completed.
- c. If the radio has been set for TA mode (TA is shown in the display) the AMS will only search for the first 6 stations that are broadcasting TA/TP/RDS data. Press the TA buttons (1) until TA is no longer shown in the display if this is not desired.
- d. When there are less than 6 different stations in your area then the AMS will not memorize any stations into the remaining preset memory locations.
- e. AMS will not operate on MW/LW band.

Manual Preset Memory

1. Press BND/MEN button (14) to select band required FM1, FM2, FM3, MW or LW.
2. Tune to the desired radio station.
3. Press and hold the desired preset memory button (20) 1-6 until a beep is heard. The station has now been entered/memorised into the selected preset position.

To Hear a Preset Station

Select desired band and press the appropriate preset button (20) 1-6 into which the station has previously been stored.

RDS reception **OVERVIEW OF THE RDS FUNCTION**

The following functions are available with this unit using the RDS data system.

Station Name Display

Displays the station name in the display window.



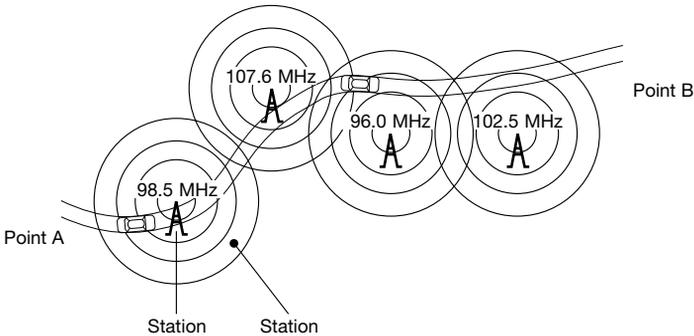
Automatic Re-tuning-AF function

Re-tunes to a stronger signal station in the same broadcasting network automatically using the PI and AF data.

The illustration below shows an example: four stations of the same broadcasting network and a driver passes through from the point A to B.

The reception frequency of the station in the network changes from 98.5 MHz through 102.5 MHz as the driver passes through each transmitter.

By using the AF function, the driver can keep listening to the programme in the same broadcasting network without manually retuning while driving from the point A to B.

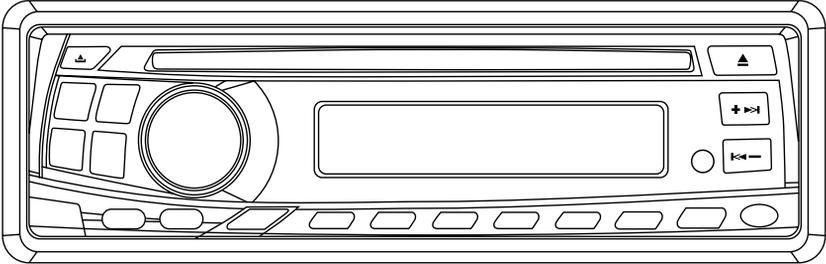


Traffic information Reception - TA function

Searches and stands by for a traffic information station using the TP and TA data.

When using this function, the unit automatically monitors the station and changes its mode to the station that is broadcasting the traffic information even whilst listening to CD playback.

STATION NAME DISPLAY



Note: Station name will only show when listening to a station on the FM band.

- 1. Tune in the desired FM station using the automatic or manual tuning methods.** If the received station is transmitting RDS data. In a few seconds, station name will be displayed.



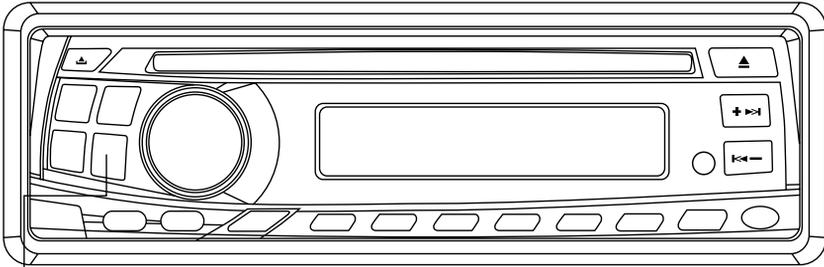
Notes

- RDS data can be received only on the FM band. It cannot be received on the MW or LW band.
- The RDS functions of this unit cannot be used if the received FM station is not transmitting the RDS data and may not work properly in area without RDS transmission.

MONO/STEREO

If the station tuned to has excessive noise (hiss), press the ST/TITL button on the front panel to select MONO reception. The station will then only be heard in mono but the reception will normally improve. To return to STEREO reception, press the ST/TITL button again.

AF function AUTOMATIC RE-TUNING



11

Note: Auto Re-tuning will only operate on FM band.

- 1. Tune to an RDS station using the automatic or manual tuning methods.**
- 2. AF function is switched ON/OFF by pressing the AF/REG button (11).**

When the AF symbol is shown on the display, AF function is switched on. If no AF data is received, the AF symbol will flash.

How the AF function works?

In AF mode, the radio measures at regular intervals the signal strength at frequencies that are mentioned in the list of Alternative Frequencies (AF's) of the current station. If an alternative frequency is found, it switches immediately to the new frequency if the quality of the current station becomes suddenly very poor, or if its RDS data cannot be received. The quality of a station is a function of signal level as well as multipath condition. **Note:** In areas of severe multipath reception this may cause noise or the AF function to constantly change. Should this occur then switch off the AF function. Try using the AF function later.

Regional

Press and hold the AF/REG button (11) for longer than 2 seconds (until the radio beeps.) The current state of the REGIONAL Mode is indicated by a message "REG ON" or "REG OFF". Which is displayed for 4 seconds after the AF/REG button (11) is pressed.

To check whether an Alternative Frequency is a real Alternative for the current station, the radio compares PI codes. (Programme Identity)

Regional Mode is ON: The PI codes must be exactly identical.

Regional Mode is OFF: The Region identification code in the PI code is ignored.

When regional mode is OFF, the radio may switch from a National Programme to a local variant of that Programme, or from a local station in one area to a local station of an other area. When Regional Mode is ON, the radio will only switch to an alternative that broadcasts exactly the same programme. For best performance it is recommended that the Regional function remains in the OFF, Function is REG OFF.

CT FUNCTION (CLOCK TIME)

This software incorporates a real time clock which is updated from the RDS signal.

When a station is tuned in the unit will decode the incoming clock data and after approximately 2 minutes will display the correct time when the DSP button is pressed. Press DSP button once-CT displayed; DSP button twice-Programme type; DSP button three times-Frequency display.

After 5 seconds the display will revert to station name display.

Note: Some stations do not transmit a PTY or CT information and therefore the clock or programme type display may not be available.

INFO- function TRAFFIC INFORMATION RECEPTION

TA FUNCTION IMPORTANT NOTE

This product incorporates the latest RDS software as such the following points apply.

1. If TA is already selected and the programme selected from a preset memory does not transmit Traffic information, the TP symbol (TP) shown in the display will flash and a beep will sound every 30 seconds indicating that traffic information will not be received whilst listening to this programme/station. The Audible beep sound can be disabled by pressing the TA button (17) thus switching TA off.
2. Whilst listening to a NON TA (Traffic information) programme/station the TA function is switched ON, the unit identifies that the user requires traffic information and automatically re-tunes to the next available TA transmitting station.
3. If the station selected is not acceptable, alternative TA transmitting stations can be selected by leaving TA switched on and using Auto/Manual or PTY tuning methods.

“Please note that TP (RDS symbol for TA) will show in the display when you are tuned to a station which is capable of broadcasting Traffic information.”

Note: If the Regional function is on, a regional station with traffic announcement is received.

1. If the radio is in CD mode, it switches temporarily to Radio mode, and the display will show the Programme Service name of the received station.
2. If the volume was low, it is raised to a preset to a preset level.
3. The TA symbol blinks during reception of a TA broadcast.

At the end of the traffic announcement, the original function is restored again. For example, CD will start again if listening to CD when the TA broadcast commenced. If the user has not changed the volume setting. It is restored to the level before the traffic announcement. If the volume level was changed, during the traffic announcement, the new level will be retained.

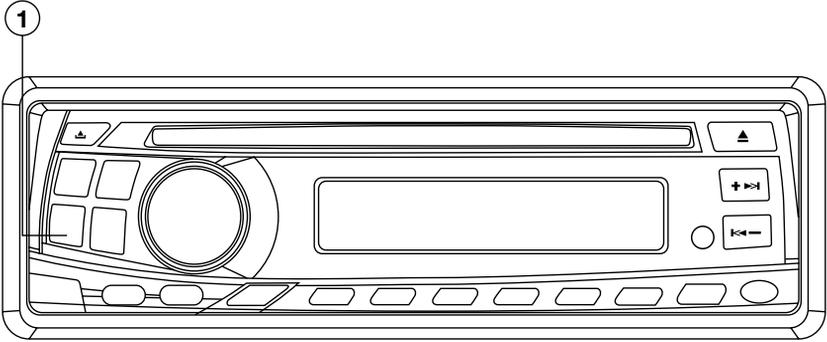
E.O.N. (Enhanced Other Network)

1. When a traffic announcement is detected via EON, the radio will switch to the linked programme transmitting the traffic announcement. The radio will remain at least 4 seconds on this programme before switching back to the original programme. AF mode is disabled during an EON traffic announcement.

Note: TA reception can be adjusted to receive local or local + long distance announcements to select local press and hold TA button, until EON TA LO shows in the display for local + long distance press and hold until EON TA DX shows in the display.

TRAFFIC INFORMATION RECEPTION

While Listening to CD Playback



1. Press TA button (1) while playing back a CD.

"TA" appears on the display window, while playback continues.

When a traffic information broadcast starts.

"TA" starts blinking. The CD playback stops and the traffic information will be heard.

PTY (PROGRAMME TYPE) DATA RECEPTION

1. Press PTY button (12) to switch PTY mode on.

When PTY mode is switched on and the current station does not transmit a PTY code or transmits a different PTY code, a search is started for the chosen code and the PTY icon blinks.

2. When search tuning is started while PTY is on, the radio stops only at stations that transmits the selected PTY code.

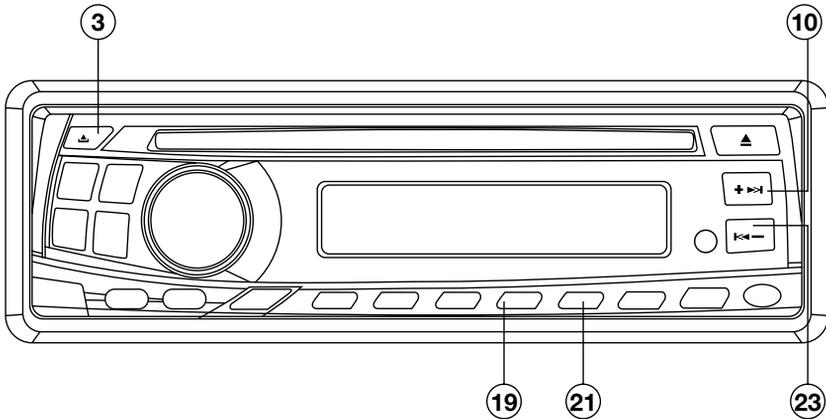
How to select the PTY code Figure 4 shows how to select a programme type. Only one programme type can be selected.

Press Button	Display will show	Press Preset Button	Press Once	Press Twice	Press Three Times
PTY	POP	1	POP M	ROCK M	
		2	EASY M	LIGHT M	
		3	CLASSICS M	OTHER M	
		4	JAZZ M	COUNTRY M	
		5	NATION M	OLDIES M	
		6	FOLK M		
	NEWS	1	NEWS	AFFAIRS	INFO
		2	SPORT	EDUCATE	DRAMA
		3	CULTURE	SCIENCE	VARIED
		4	WEATHER	FINANCE	CHILDREN
		5	SOCIAL	RELIGION	PHONE IN
		6	TRAVEL	LEISURE	DOCUMENT

Figure 4

PTY code is always enabled. The radio will always respond to a PTY message even when the PTY is not selected.

CD OPERATION



1. Playing a CD Disc

- Disc playback will automatically commence after a disc is inserted.
- To Skip Up/Down tracks briefly press MANU/SKIP buttons (10) or (23).
- To search through a track press and hold MANU/SKIP buttons (10) or (23). Release the button to return the player to normal playback.

2. CD Shuffle (plays current disc in a random order)

- Press the SHF button (21) for more than 2 seconds. The display will show SFD and the current disc will be played in random mode continuously.
- Press SHF button to return player to normal mode.

3. CD Repeat (repeat 1 track)

Press the RPT button (19) to repeat one track continuously, RPT will show in display. Press RPT button again to return the player to normal operation.

OPERATION

DISC (DVD/CD/MP3) OPERATION

STOPPING PLAY

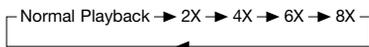
- Briefly press the **■** (Stop) button to stop the playback, when the **▶||** button is pressed, playback will resume from the point at which the stop button was pressed.

- Press **■** (Stop) button twice to stop playback and go back to initial Track/Chapter.

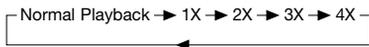
RAPID FORWARD/RAPID REVERSE

Press **▲** (**▶▶**) & **▼** (**◀◀**) during play. Each time the button is pressed, the speed of rapid forward/reverse changes according to the disc as follow:

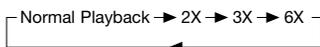
FOR DVD:



FOR CD:



FOR MP3:

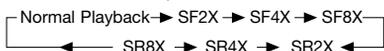


SKIPPING TRACK

Press **MANU/SKIP +▶▶|** / **◀◀-** buttons on the front panel or **▶(▶▶)|/◀(◀◀)** buttons on the remote control during playback. Press **+▶▶|** or **▶(▶▶|)** to skip to next track, and **◀◀-** or **◀(◀◀)** to skip back one track.

SLOW MOTION PLAYBACK

Press **SLOW** button on the remote control briefly during playback. Each time the button is pressed, the speed of slow motion playback changes as follows (slow motion playback will only function for DVD):



PAUSING PLAYBACK

Press **▶||** on the remote control or on the front panel during playback to pause play temporary. To return to normal playback, press **▶||** once again.

REPEAT PLAYBACK

FOR DVD:

Press the **RPT** button on the front panel or on the remote control to select repeat mode as follow:



FOR CD:

Press the **RPT** button to select repeat mode as follow:



The current track will be repeated when selecting REP-ONE mode.

ZOOM FUNCTION

Press and hold **SLOW(ZOOM)** button on the remote to cycle through the following zoom scale levels: 1.5X, 2.0X and 3.0X. During Zoom mode, use **▲/▼, ◀/▶** buttons to pan pictures up, down, left or right.

PLAYING IN RANDOM ORDER

In stop and PBC OFF mode, press **SHF** on the front panel, track/chapter selection will be made in random order. The LCD screen will show "SHUFFLE ON" in the left-top corner. Then press **▶||** button to start RANDOM playback. Press **SHF** button again in stop mode, "SHUFFLE OFF" appears and cancels the mode.

PREVIEWING PLAYING

During CD playback, press **SCN** button on the front panel to play first several seconds of each tack on the current disc. Press again to stop SCAN and listen to the track.

OPERATION

ON-SCREEN DISPLAY FUNCTION

Press the **DISP** button during playback to display the contents of the current disc on the screen.

Example:

FOR DVD:

(1) Press **DISP** for the first time:

TITLE 01/03 CHAPTER 002/025
00:02:25

Title Number, Total Title Number, Chapter Number, Total Chapter Number of this Title of the disc currently being played will be shown on the screen, along with the elapsed time.

(2) Press **DISP** for the second time, the remain time of the title will be shown:

TITLE REMAIN
01:46:58

(3) Press **DISP** for the third time, the elapsed time of the current chapter will be displayed:

CHAPTER ELAPSED
00:00:24

(4) Press **DISP** for the fourth time, the remaining time for the chapter will be shown:

CHAPTER REMAIN
00:01:39

(5) Press **DISP** for the fifth time:
The on screen display will be cleared.

FOR CD:

(1) Press **DISP** for the first time:

SINGLE ELAPSED
00:25 01/14

(2) Press **DISP** for the second time:

SINGLE REMAIN
03:15 01/14

(3) Press **DISP** for the third time:

TOTAL ELAPSED
00:25 01/14

(4) Press **DISP** for the fourth time:

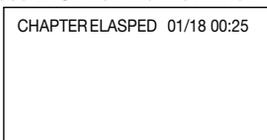
TOTAL REMAIN
40:35 01/14

(5) Press **DISP** for the fifth time:
The on screen display will be cleared.

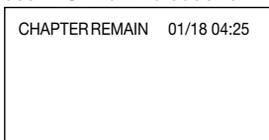
OPERATION

FOR MP3:

(1) Press **DISP** for the first time:



(2) Press **DISP** for the second time:



(3) Press **DISP** for the third time:
The on screen display will be cleared.

MULTI-AUDIO LANGUAGE FUNCTION

For DVD:

Press **AUDIO** button on the remote control for several seconds during playback. Each time the button is pressed, the audio soundtrack language changes in sequential order.

Notes:

- The number of languages is different according to the disc.
- Some discs may only contain one language soundtrack.
- When no different language soundtrack are recorded,  will be displayed at screen left top corner.

MENU FUNCTION (For DVD ONLY)

Press **BND/MEN** button on the DVD unit or **MENU (BAND)** while the disc is playing and the disc root menu will be displayed. Navigate with the remote control navigation keys and select a feature with the **PTY(←)** button on the DVD unit or **ENTER** on the remote control.

TITLE MENU FUNCTION (FOR DVD ONLY)

If the DVD has multiple titles recorded on the disc; they will be displayed in the title menu.

1. Press **ST/TITL** button on the front panel

of the DVD unit or **TITLE** button on the remote control during playback.

2. Select the required title using the cursor button and confirm using **PTY(←)** button on the DVD unit or **ENTER** on the remote control.

MULTI-SUBTITLE LANGUAGE FUNCTION (FOR DVD ONLY)

Press **SUB-T** during playback.

Each time the button is pressed, the subtitle language changes in sequential order.

Notes:

- The number of languages is different according to the disc.
- Some discs only contain one subtitle language.
- When no subtitle language are recorded,  will be displayed at screen left top corner.

MULTI-ANGLE FUNCTION (FOR DVD ONLY)

Press **ANGLE** during playback.

Each time the button is pressed, the angle changes in sequential order.

Notes:

- The number of angles are different according to the disc.
- The function only works for discs that have scenes recorded at different angles.
- When no different angle are recorded,  will be displayed at screen left top corner.

OPERATION

SMART MODE FUNCTION

In DVD mode, press **S-M** button on the DVD unit or **SMART** button on the remote control shortly during disc playback to activate SMART MODE function and “SMART MODE” appears on the display of the DVD unit. The MOD or MODE button will switch between radio and DVD mode, the front speakers will output the corresponding radio audio signal or audio signal from the DVD source, and the rear speakers will have the sound only from the DVD. Press the S-M button or SMART button again to cancel smart mode, the same source will be heard in both the front and rear speakers (radio or DVD/CD).

SMART NAVIGATION IN MP3 DISC PLAY

When playing an MP3 disc the smart navigation screen will be shown if the SMART NAV option in the setup menu is set to “WITH MENU”. The folders on be shown. The folders on the disc will be shown in the left column. The right column will show the contents of the currently selected directory.

For example:

SMART NAVI	
ROOT	
CD01	MP3 001 PLUMT
CD02	MP3 002 RZID
CD03	MP3 003 ASCIS
CD04	MP3 004 DCYI
CD05	MP3 005 BFZ
PLAY MODE	AUTO PLAY

In stop mode, use **▲/▼**, **◀▶** on the remote control to select the item or folder (such as CD01, CD02...), and press **PTY**(**↵**) button on unit or **ENTER** button the remote control to confirm, then select

the desired track (such as 001 PLUMT, 002 RZID...) from the current folder to play.

Pressing **RPT** button on the front panel or on the remote control repeatedly can select two kinds of repeat play mode. REP-ONE: Play the same song over and over again.

FOLDER REP: Play all songs in the current directory in sequence, over and over again.

FOLDER: Play all songs in the current directory once.

When PLAY MODE is selected, press **▲/▼** to change between the following mode:

SINGLE **→** REP-ONE **→** FOLDER **→** FOLDER REP **→**

DISC SCAN **→** **[DISC]** **→** DISC REP **→**

SHUFFLE ON **→** PROGRAM PXXX

SINGLE: Play the selected title/track once.

REP ONE: Repeat the current title/track continuously.

FOLDER: Play only the titles/tracks in the folder once.

FOLDER REP: Repeat only the titles/tracks in the folder continuously.

DISC SCAN: Play the first 10 seconds of each title/track.

DISC: Play all titles/tracks on the disc once (normal playback)

DISC REP: Repeat all titles/tracks on the whole disc continuously.

SHUFFLE ON: Random playback

PROGRAM PXXX: Set the program for programmed playback.

Pressing **SHF** on the front panel to play tracks in random order. Press **SHF** button again to release the mode.

During playback, use **◀/▶** to skip an item ahead or back.

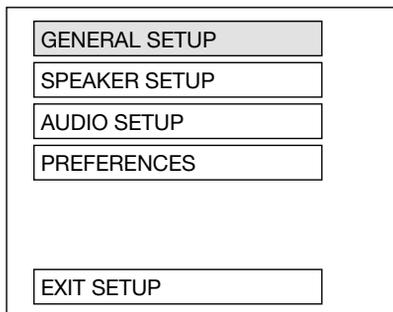
◀◀: Rapid reverse, **▶▶**: Rapid advance

Note: The FOLDER cannot be selected during playback. It can only be selected after **■** (Stop) button pressed.

SETUP

INITIAL SETUP

SETUP MANU --- MAIN PAGE



1. Press **SETUP** on the remote control or on the front panel in the stop mode. (Press the stop button twice to ensure the player is in STOP mode.)
2. The initial SETUP menu is displayed.
3. Select the preferred item by using the **▲/▼** buttons.
4. Press **ENTER** buttons.

a/. GENERAL SETUP

This setup menu includes all the item of TV display & Audio output feature.
For details please refer to **GENERAL SETUP MENU**.

b/. SPEAKER SETUP

Use this menu to activate the audio output from DOLBY AC3 5.1 DOWNMIX to 2 channel mode.
Please refer to **SPEAKER SETUP MENU**.

c/. AUDIO SETUP

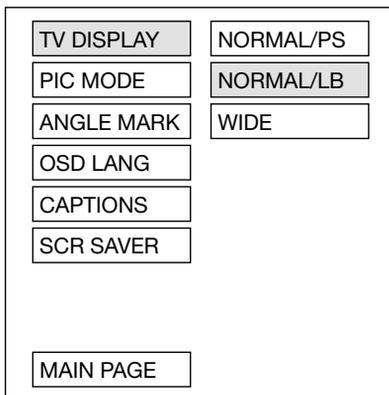
This setup menu includes all the items for AUDIO. Please refer to **AUDIO SETUP MENU**.

d/. PREFERENCES SETUP

This setup menu includes all the configuration of support feature.
Please refer to **PREFERENCES SETUP MENU**.

GENERAL SETUP

-- GENERAL PAGE --



Video Material	TV Screen			
	4:3			
	Normal	Pan Scan	Letter-box	
4:3				
16:9				

TV display setup

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 letterbox 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.

SETUP

--- GENERAL PAGE ---

TV DISPLAY	
PIC MODE	AUTO
ANGLE MARK	HI-RES
OSD LANG	N-FLICKER
CAPTIONS	
SCR SAVER	
MAIN PAGE	

PIC mode setup

Select AUTO, the player PIC mode will depend on DVD disc.

Select HI-RES format for best image resolution.

Select N-FLICKER format on image or picture with noise or distortion.

--- GENERAL PAGE ---

TV DISPLAY	
PIC MODE	
ANGLE MARK	
OSD LANG	ENGLISH
CAPTIONS	FRENCH
SCR SAVER	GERMAN
	SPANISH
MAIN PAGE	

OSD LANG type setup

Select the preferred OSD (On Screen Display) language by using the ▲ / ▼ buttons.

--- GENERAL PAGE ---

TV DISPLAY	
PIC MODE	
ANGLE MARK	ON
OSD LANG	OFF
CAPTIONS	
SCR SAVER	
MAIN PAGE	

ANGLE MARK display setup

If it is set to ON, when a multi-angle DVD disc is playing,  (the angle mark) will appear on the screen when alternative angles are available; if it is set to OFF, the mark will not appear.

--- GENERAL PAGE ---

TV DISPLAY	
PIC MODE	
ANGLE MARK	
OSD LANG	
CAPTIONS	ON
SCR SAVER	OFF
MAIN PAGE	

CAPTIONS setup

When playing a DVD disc, activate the CAPTIONS feature by selecting ON and the captions (such as the actor dialogue) appear on the screen; deactivate this feature by selecting OFF and the captions will not appear.

SETUP

--- GENERAL PAGE ---

TV DISPLAY	
PIC MODE	
ANGLE MARK	
OSD LANG	
CAPTIONS	
SCR SAVER	ON
	OFF
MAIN PAGE	

SCR SAVER setup

Select the SCR SAVER ON/OFF.
The screen saver will come on when the unit is left idle for a period of time.

SPEAKER SETUP

--- SPEAKER SETUP PAGE ---

DOWNMIX	LT/RT
	STEREO
MAIN PAGE	

This is to activate the audio output from DOLBY AC3 5.1 DOWNMIX to 2 channel mode. Select the preferred SPEAKER connection by using the cursor buttons.

- Select the LT/RT to activate the Dolby surround compatible output.

AUDIO SETUP

--- AUDIO SETUP ---

SPDIF	OFF
OP MODE	ON
DUAL MONO	
DYNAMIC	
PRO LOGIC	
LPCM OUTPUT	
MAIN PAGE	

SPDIF

This is to activate the digital audio output on or off.

--- AUDIO SETUP ---

SPDIF	
OP MODE	LINE OUT
DUAL MONO	RF REMOD
DYNAMIC	
PRO LOGIC	
LPCM OUTPUT	
MAIN PAGE	

OP MODE

- LINE OUT: Line out mode, with digital dialog normalisation.
- RF REMOD: RF remodulation mode, with heavy compression and digital dialog normalisation.

It is recommended to select LINE OUT mode.

SETUP

--- AUDIO SETUP ---

SPDIF		FULL
OP MODE		6/8
DYNAMIC		4/8
LPCM		2/8
		OFF
<input type="button" value="MAIN PAGE"/>		

DYNAMIC RANGE CONTROL

Select DYNAMIC and adjust the dynamic range of a Dobyly Digital encoded program.

There are 8 steps between full compression and off compression.

Dynamic range compression will suppress loud scenes and enhance quiet scenes when DRC is enabled, this is designed for night time usage, so that quiet passages can be heard without having to turn the volume up, which would then cause a sudden noise if there is a loud section.

--- AUDIO SETUP ---

SPDIF	
OP MODE	
DYNAMIC	
LPCM	
	<input type="button" value="LPCM 48K"/> <input type="button" value="LPCM 96K"/>
<input type="button" value="MAIN PAGE"/>	

LPCM OUTPUT

Selecting LPCM (Line Pause Code Modulation) OUTPUT between LPCM 48K and LPCM 96K.

The higher the sampling frequency is, the better the output audio quality is. Therefore, it is recommended to select LPCM 96K.

PREFERENCES SETUP

--- PREFERENCES PAGE ---

TV TYPE	AUTO
AUDIO	NTSC
SUBTITLE	PAL
DISC MENU	
PARENTAL	
PASSWORD	
DEFAULTS	
SMART NAV	
LOGO	
<input type="button" value="MAIN PAGE"/>	

TV type setup

This player can play discs recorded in either PAL or NTSC format.

Select NTSC format, when the unit is connected to NTSC TV.

Select PAL format, when the unit is connected to PAL TV.

Select AUTO format, the player TV output format will be according to the DVD disc format.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	ENGLISH
SUBTITLE	FRENCH
DISC MENU	SPANISH
PARENTAL	CHINESE
PASSWORD	JAPANESE
DEFAULTS	GERMAN
SMART NAV	
LOGO	
<input type="button" value="MAIN PAGE"/>	

AUDIO language setup

Select the default AUDIO language by using the cursor buttons.

SETUP

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	ENGLISH
SUBTITLE	FRENCH
DISC MENU	SPANISH
PARENTAL	CHINESE
PASSWORD	JAPANESE
DEFAULTS	GERMAN
SMART NAV	OFF
LOGO	
MAIN PAGE	

SUBTITLE language setup

Select the preferred default SUBTITLE language by using the cursor buttons.

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	
SUBTITLE	
DISC MENU	ENGLISH
PARENTAL	FRENCH
PASSWORD	SPANISH
DEFAULTS	CHINESE
SMART NAV	JAPANESE
LOGO	GERMAN
MAIN PAGE	

DISC MENU language setup

Select the preferred default DISC MENU language by using the cursor buttons.

--- PREFERENCES PAGE ---

TV TYPE	1 G
AUDIO	2
SUBTITLE	3 PG
DISC MENU	4 PG 13
PARENTAL	5
PASSWORD	6 PG-R
DEFAULTS	7 NC-17
SMART NAV	8 ADULT
LOGO	NO_ PARENTAL
MAIN PAGE	

PARENTAL

Select suitable parental guidance using the cursor buttons and confirm by pressing ENTER button or OK button on the remote control

--- PREFERENCES PAGE ---

TV TYPE	
AUDIO	
SUBTITLE	
DISC MENU	
PARENTAL	
PASSWORD	CHANGE
DEFAULTS	
SMART NAV	
LOGO	
MAIN PAGE	

PASSWORD

Select "change" and press ENTER button. Type the old password (The initial factory code is 3308) and then enter a new 4 character password and enter it once again to confirm the new password.

SETUP

--- PREFERENCES PAGE ---

TV TYPE
AUDIO
SUBTITLE
DISC MENU
PARENTAL
PASSWORD
DEFAULTS
SMART NAV
LOGO
MAIN PAGE

RESET

DEFAULTS

Select reset to revert to factory initial settings.

--- PREFERENCES PAGE ---

TV TYPE
AUDIO
SUBTITLE
DISC MENU
PARENTAL
PASSWORD
DEFAULTS
SMART NAV
LOGO
MAIN PAGE

NO MENU
WITH MENU

SMART NAV

If WITH MENU mode is selected, when playing an MP3 disc, the smart navigation menu will appear on the screen, then the user can select a track to play according to the menu.

If NO MENU mode is selected, when playing an MP3 disc, no menu will be shown and playback will start automatically.

--- PREFERENCES PAGE ---

TV TYPE
AUDIO
SUBTITLE
DISC MENU
PARENTAL
PASSWORD
DEFAULTS
SMART NAV
LOGO
MAIN PAGE

ORIG LOGO
CUST LOGO

LOGO

Select ORIG LOGO (original picture when the unit turns on) or CUST LOGO.

DEFAULTS TABLE

General Setup	TV Display	WIDE
	PIC Mode	AUTO
	Angle Mark	ON
	OSD Language	English
	Captions	OFF
	SCR Saver	OFF
Speaker Setup	Downmix	Stereo
Audio Setup	SPDIF	OFF
	OP Mode	Line Out
	Dynamic	FULL
	LPCM Out	LPCM 96K
Preferences	TV Type	MUTLI
	Audio	English
	Subtitle	English
	DISC Menu	English
	Parental	NO PARENTAL
	Password	3308
	Smart NAV	With Menu
	Logo	ORIG Logo

TROUBLE SHOOTING

If it appears that your DVD unit is faulty, first consult this checklist. It may be that something simple has been overlooked.

Website: www.goodmans.co.uk

Under no circumstances should you try to repair the player yourself, as this will invalidate the warranty. Only qualified service personnel should remove the cover or service this player.

NO POWER

- If the power supply is connected to the car accessory circuit, but the engine is not running, switch the ignition key to "ACC" position.
- Check if the fuse is blown. Then replace with a new fuse.

NO PICTURE

- Check if the LCD screen is switched on.
- Check that the correct mode is selected (e.g. DVD mode)
- Check the video connections.

DISTORTED PICTURE

- Check the disc for fingerprints and clean with soft cloth, wiping from centre to edge.
- Sometimes a small amount of picture distortion may appear. This is not a malfunction.

COMPLETELY DISTORTED PICTURE

- The disc format is not according to the TV-set used (PAL/NTSC).

NO COLOUR IN PICTURE

- The disc format is not according to the TV-set used (PAL/NTSC).

DISC DOES NOT PLAY

- Ensure the disc label is upwards.
- Clean the disc.
- Check if the disc is defective by trying another disc.

NO SOUND

- Check audio connections.
- If using a HIFI amplifier, try another sound source.

THE PLAYER DOES NOT RESPOND TO THE REMOTE CONTROL

- Aim the remote control directly at the sensor on the front of the player.
- Avoid all obstacles which may interfere with the signal path.
- Inspect or replace the remote control battery.

DISTORTED OR B/W PICTURE

- The disc format is not according to the TV-set used (PAL/NTSC).

BUTTONS DO NOT WORK

- Press Reset button on the DVD unit.

THE RADIO DOES NOT WORK

- Check if the aerial cable is connected firmly.

THE RADIO STATION AUTOMATIC SELECTION DOES NOT WORK

- If the signals are too weak, auto selection will not work, if this is the case select the stations manually.

SPECIFICATIONS

GENERAL

Power Supply Requirements	: DC 12 Volts, Negative Ground
Chassis Dimensions	: 178 (W) x 160 (D) x 50 (H)
Tone Controls	
- Bass (at 100 Hz)	: ± 10 dB
- Treble (at 10 KHz)	: ± 10 dB
Maximum Output Power	: 4 x 40 watts
Current Drain	: 15 Ampere (max.)
Weight	: 2 kg

CD PLAYER

Signal to Noise Ratio	: More than 55 dB
Channel Separation	: More than 45 dB
Frequency Response	: 20 Hz - 20 kHz

RADIO

FM

Frequency Coverage	: 87.5 to 108MHz
IF	: 10.7 MHz
Sensitivity (S/N = 30 dB)	: 4 μ V
Stereo Separation	: > 25 dB

MW

Frequency Coverage	: 530 to 1620 KHz
IF	: 450 KHz
Sensitivity (S/N = 20 dB)	: 36 dBu

LW

Frequency Coverage	: 144 to 288KHz
IF	: 450 KHz
Sensitivity (S/N = 20 dB)	: 38 dBu

SPECIFICATIONS

Supply voltage:	12V DC (11V-15V), test voltage 14.4V, negative ground
Current consumption:	Less than 2A
Signal system:	Compositive video 1.0Vp-p 75Ω
Discs played:	(1) DVD-VIDEO disc 5" (12 cm) single-sided, single-layer 5" (12 cm) single-sided, double-layer (2) Compact disc (CD-DA/CD-R/CD-RW/MP3) (3) 5" (12 cm) VIDEO CD
Audio output level:	10kΩ (2 ch 2.0 Vrms)

Note:

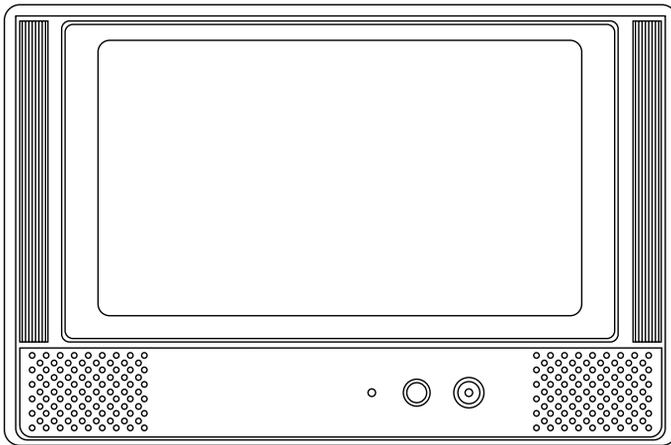
Specifications and design are subject to modification, without notice, due to improvements in technology.

CAUTION:

- To avoid electric shock, this unit must not be exposed to dripping water or water splash.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- The use of apparatus in tropical and/or moderate climates.
- Before scrapping the appliance, remove the batteries and place them in the appropriate battery collection container.

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 Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

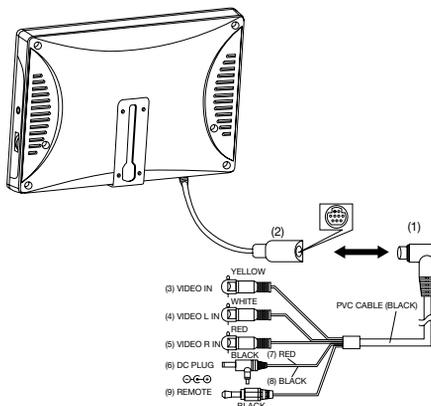
TFT MONITOR



022929

INSTALLATION

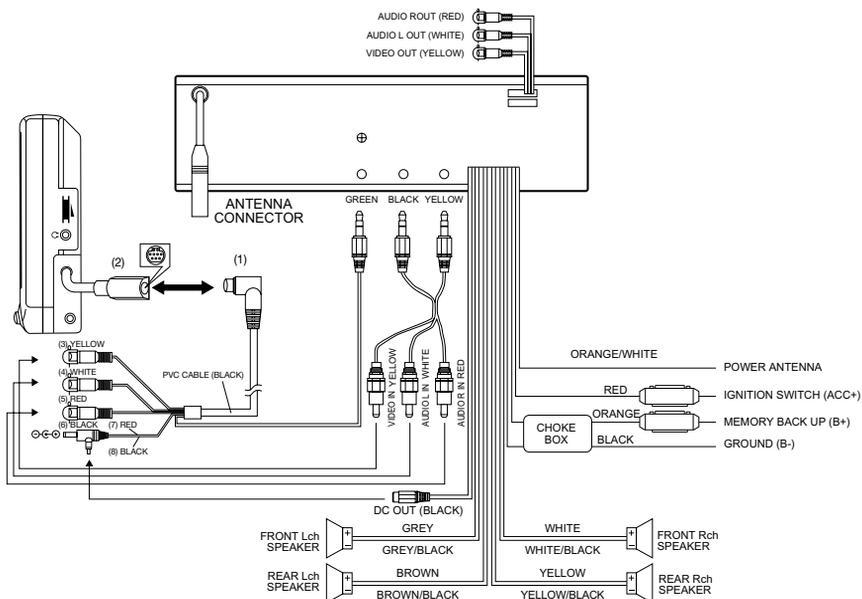
ELECTRICAL CONNECTION



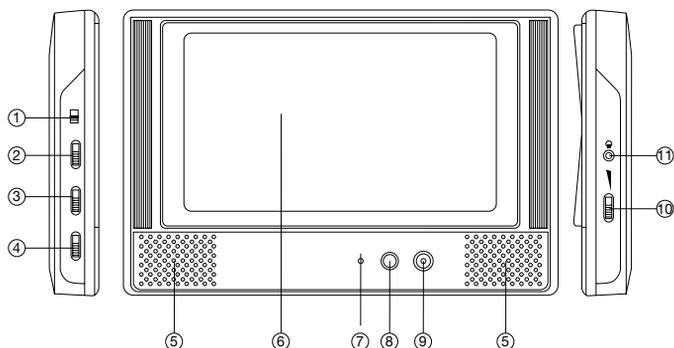
CAUTION:

1. The monitor is connected to DVD through the cable with 9-pin mini din plug. The 9-pin mini din plug (1) into the 9-pin mini din socket (2) of the monitor.
2. The yellow VIDEO IN socket (3) is connected to the VIDEO OUT socket of the DVD. The white AUDIO L IN socket (4) is connected to the AUDIO Out-Left socket and the red AUDIO R IN socket (5) is connected to the AUDIO Out-Right socket.
3. The remote plug (9) is inserted to the remote socket on the DVD player.

DVD PLAYER CONNECTION



LOCATION AND FUNCTION OF KEYS



- | | |
|----------------------------|--|
| 1. 16:9/4:3 selector | 7. Power Indicator Light |
| 2. Colour Control Knob | 8. IR (Remote Sensor) |
| 3. CONTRAST Control Knob | 9. POWER |
| 4. BRIGHTNESS Control Knob | 10. Volume Control Knob (adjusting the volume level of the earphone) |
| 5. Speakers | 11. ⌀ Socket for Earphone |
| 6. 6.2 inch color TFT LCD | |

1. 16:9/4:3 SELECTOR

Slide the 4:3/16:9 switch (1) on the side of the monitor to select appropriate TV aspect ratio (16:9 or 4:3).

2. COLOUR

Rotate the COLOUR Control Knob (2) to increase or decrease the colour of the screen display.

3. CONTRAST

Rotate the CONTRAST Control Knob (3) to increase or decrease the contrast level of the screen display.

4. BRIGHTNESS

Rotate the BRIGHTNESS Control Knob (4) to increase or decrease the screen brightness.

5. SPEAKERS

There are two speakers (5) on the front of the monitor.

6. TFT LIQUID CRYSTAL DISPLAY

7. POWER INDICATOR LIGHT

When the system is on, the indicator light (7) will be illuminated.

8. REMOTE SENSOR

When the remote plug from the monitor is connected to the DVD player, the IR sensor on the monitor will forward any IR sensor commands received to the DVD player, therefore allowing the remote control from the DVD player to be pointed at the screen instead of being pointed at the DVD player.

9. ⏻ (Power)

Press button (9) to turn on/off the unit.

10. VOLUME CONTROL KNOB

Rotate the knob (10) to change the volume.

11. SOCKET FOR EARPHONE

Insert earphones to the earphone socket, the sound to the speakers will be cut.

TROUBLE SHOOTING

Before going through the checklist, check wiring connection.

NO POWER

- Check if the power of the monitor is turned on.
- Check all the connections have been made correctly.

THE PICTURE IS OVER DARK, OVER BRIGHT OR HAS NO COLOUR:

- Rotate the COLOUR, CONTRAST, BRIGHTNESS control knob to increase or decrease the level of the corresponding item.

NO SOUND

- Check that the audio connections are properly connected.

BUTTONS DO NOT WORK

- Reset the monitor by turning the power off and then on again using the power button on the front of the unit.

SPECIFICATIONS

Parameter Specifications Unit

Screen Size	: 6.2 (16:9 diagonal) inch
Display	: 1440 x 234 dot
Active Area	: 137.52 (H) x 77.22 (V) mm
Dot Pitch	: 0.114 (H) x 0.33 (V) mm
Pixel Configuration	: Stripe
Outline Dimension	: 154.4 (W) x 92.8 (H) x 5.90 (D) mm
Weight	: Approximately 180 g