

DVD Micro System with Universal Dock for iPod



DMS601 IP

The Gold Technical Support Line:1902 215 258
Personal Product Support
(Charges will apply at \$2.95 per minute)

GRUNDIG

Introduction

Thank you for buying this Grundig product, which is designed to give you many years of trouble-free service.

You may already be familiar with using a similar unit, but please take time to read these instructions. They are designed to familiarise you with the unit's many features and to ensure you get the very best from your purchase.

Safety is important

Your safety and the safety of others is important.

Please therefore, ensure you read the "Safety Instructions" before you operate this unit.

Warranty

In the unlikely event that your product fails to work properly, please call one of the below free phone numbers to discuss the problem with one of our qualified service engineers.

Australia.

Grundig Warranty: 1800 509 394

New Zealand

Grundig Warranty: 0800 450 259

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BEFORE YOU BEGIN

Thank you for purchasing this audio product. This is your assurance of quality, performance and value. Our engineers have included many useful and convenient features in this product. Please be sure to read this Owner's Manual completely to make sure you are getting the maximum benefit from each feature.

This product was manufactured using the highest quality components and standards of workmanship. It was tested by inspectors and found to be in perfect working order before it left our factory. However, there is always the chance that some problems may occur because of rough handling during shipment. If after reading this Manual, you experience any problems with the operation of this product, please refer to the instructions for obtaining services at the end of this Manual.

Once again, thanks for purchasing this audio product. For future reference, we recommend that you record the serial number in the space provided.

Model No: DMS601 IP

Serial Number: _____

CLASS 2 LASER PRODUCT

CLASS 1 LASER PRODUCT
APPAREIL A LASER DE CLASSE 1
PRODUCTO LAESR DE CLASE 1

CAUTION
INVISIBLE LASER RADIATION
WHEN OPEN AND INTERLOCKS
DEFEATED.
AVOID EXPOSURE TO BEAM.



This product contains a low power Laser Device.

CAUTION

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT USE THIS PLUG WITH AN EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADE CAN BE FULLY INSERTED TO PREVENT BLADE EXPOSURE. TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



The lightning flash with arrow-head symbol, within an equilateral triangle is intended to alert the user to the presence of uninsulated 'dangerous voltage' within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric

CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN**

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

IMPORTANT SAFETY INSTRUCTIONS

- 1. READ INSTRUCTIONS** - All the safety and operating instructions should be read before the product is operated.
- 2. RETAIN INSTRUCTIONS** - The safety and operating instructions should be retained for future reference.
- 3. HEED WARNINGS** - All warnings on the product and in the operating instructions should be adhered to.
- 4. FOLLOW INSTRUCTIONS** - All operating and use instructions should be followed.
- 5. CLEANING** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a dry cloth for cleaning.
- 6. ATTACHMENTS** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- 7. WATER AND MOISTURE** - Do not use this product near water - for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like. This appliance shall not be exposed to dripping or splashing water and no object filled with liquids such as vases shall be placed on the apparatus.
- 8. ACCESSORIES** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult, and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer. A product and cart combination should be moved with care—quick stops, excessive force and uneven surfaces may cause the product and cart combination to overturn.
- 9. VENTILATION** - Slots and openings in the cabinet are provided for ventilation and to ensure reliable operation of the product and to protect it from overheating, and these openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug or other similar surface. This product should not be placed in a built-in installation, such as a bookcase or rack, unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- 10. POWER SOURCES** - This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company. For products intended to operate from battery power, or other sources, refer to the operating instructions.
- 11. GROUNDING OR POLARIZATION** - This product may be equipped with a polarized alternating-current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a safety feature: If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug should still fail to fit, contact your electrician to replace your obsolete outlet. Do not defeat



the safety purpose of the polarized plug.

12. POWER-CORD PROTECTION - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point of exit from the product.

13. NON-USE PERIODS - The power cord of the product should be unplugged from the outlet when left unused for long periods of time.

14. OUTDOOR ANTENNA GROUNDING - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure 1.

15. LIGHTNING - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.

16. POWER LINES - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

17. OVERLOADING - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

18. OBJECT AND LIQUID ENTRY - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

19. SERVICING - Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

20. DAMAGES REQUIRING SERVICE - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions.

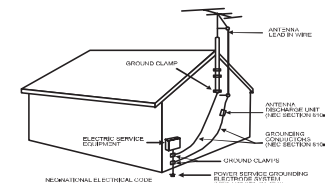
- When the power-supply cord or plug is damaged.
- If liquid has been spilled, or objects have fallen into the product.
- If the product has been exposed to rain or water.
- If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improving adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.

e) When the product exhibits a distinct change in performance -this indicates a need for service.

21. REPLACEMENT PARTS - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

22. SAFETY CHECK - Upon completion of any service or repair to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

23. HEAT - The product should be situated away from heat sources such as radiators, heat registers, stoves or other products (including amplifiers) that produce heat.



CAUTION!
HAZARDOUS LASER RADIATION WHEN
OPEN AND INTERLOCK FAILED OR
DEFEATED. AVOID EXPOSURE TO BEAM



CLASS 1 LASER PRODUCT

PRECAUTIONS FOR UNIT

SECURITY

- Before operation, check if the voltage of the unit is in line with the local voltage.
- Hold the plug to disconnect it from the mains outlet. Do not pull the power cord.
- When the plug of the unit is connected to the mains outlet, the unit will be still connected to AC even if the power is turned off.
- Disconnect the plug as soon as liquid or objects enter the unit. The unit cannot be used until being checked by experts.
- Do not open the cabinet. Laser rays employed by the unit may damage eyes. Any servicing should be done by qualified service personnel.

PLACEMENT

- Put the unit where ventilation is good enough to prevent overheating.
- Never put the unit in direct sunlight or near heat sources.
- Never put the unit in direct sunlight or near heat sources.
- To protect the pickup, do not put the unit where there is a lot of dust. If there is dust on the pickup, use a cleaning disc to clean it. Refer to the operation instructions of the cleaning disc you bought.

CONDENSATION

Moisture will appear on the pickup lens in the following cases:

- The unit is suddenly moved from a cold place to a warm place.
- Use of the unit in a humid place.

In these cases, the unit will not work. Unloading the disc and leaving the unit on for about one hour will evaporate the water, allowing the unit to function normally again.

CLEANING

- Use a soft cloth with a little neutral detergent to wipe the cabinet, panel and controls. Never use abrasive paper, polishing powder or any solvent such as alcohol or gasoline.

COMPATIBILITY INFORMATION

Supported Disc Formats

	Disc logo	Format/Disc type
DVD video disc		Video DVD
Audio CD disc		Audio CD, CD-DA, CD-R, CD-RW
MP3 CD disc		Audio CD, CD-R, CD-RW
JPEG		Kodak Picture CD, Fujicolor CD, JPEG
Windows Media		Windows Media Formats (.asf, .wma, .wmv, .wm)
MPEG-4 Disc		MPEG-4 CD, CD-R, CD-RW
Video CD		MPEG CD, CD-R, CD-RW

Discs that this system cannot play:

- CD-ROM except for extension .mp3, .wma, .jpg, .jpeg, .mp4, .avi.
- CD-R, CD-RW except for extension .mp3, .wma, .jpg, .jpeg, .mp4, .avi.
- Super Audio CD
- DVD-ROM
- DVD-RAM
- CD-G (CD-Graphics)
- DVD/CD Text
- DVD Audio
- Discs with non-standard shapes (e.g. heart, square, star) cannot be played in this unit. Attempting to do so may damage the unit.

Supported Memory Card Formats

Secure Digital™ (SD)
 miniSD™ (with adapter only)
 microSD™ (with adapter only)
 Multimedia Card (MMC)
 Memory Stick™
 Memory Stick Duo™ (with adapter only)



NOTE:

- Where "with adapter only" is mentioned, you must use the adapter to convert from the small format to full-size card format. Attempting to use these formats without the proper adapter may cause damage to the memory card or the unit. Do not attempt to insert these cards without the proper adapter.
- Maximum supported card capacity is 2GB.

IMPORTANT: This unit does not support the following card formats. Attempted use of these unsupported formats may cause damage to the memory card or the unit. Do not attempt to insert these unsupported cards:

- Compact Flash® (Type I and Type II)
- MicroDrive™
- Smart Media™
- xD Picture Card™

Note about MP3 Compatibility

This system supports playback of CD-audio (pre-recorded CDs), MP3 and Windows Media formatted Audio (WMA). This system does not support Digital Rights Management (DRM). This system cannot play songs purchased from iTunes or other songs in AAC format, songs in ATRAC format or songs

purchased from some online music retailers. It may be possible to convert your music to one of the playable compressed formats, or burn it to an audio CD, depending on the DRM restrictions.

This system is compatible with MPEG1 Audio Layer 3 (MP3) 32, 44.1 or 48kHz formats. The recording format should be in accordance with ISO9660 CD-ROM file system. MP3 file name requires MP3 or mp3 as an extension. Chinese characters cannot be displayed, although files featuring them can be played. VBR (Variable Bit Rate) files can be played, but playing time may not be shown correctly. Up to 99 folders and 999 tracks can be accessed.

Note about USB Devices

This player supports playback of certain media formats from USB devices (including flash drives, some USB hard disk drives and memory cards accessed through card readers) that support the USB Mass Storage Standard. FireWire devices, devices that require two USB ports to operate, devices that require more power to operate than a standard low-power USB port can supply, or other devices that do not conform to the Mass Storage Standard are not supported. Playback from all compliant and physically compatible devices cannot be guaranteed in all situations. This is not an indication of a problem with your player. If you wish to play back songs stored on an iPod shuffle, please refer to page 50 for instructions on connecting the shuffle's headphone output to the auxiliary inputs of this system.

Note about CD-R/CD-RW/DVD+R/DVD+RW/DVD-R/DVD-RW

The ability of this unit to play certain recordable discs may depend on the quality or physical condition of the disc, the quality of the recording, or characteristics of the recording device or software application. Playback cannot be guaranteed in all situations. This is not an indication of a problem with your player.

Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, play back on this product is not guaranteed.

Note on Region Code

This unit is designed and manufactured for playback of Region "4" encoded DVD software. The region code on the label of DVD discs indicates which type of player can play those discs. This unit can play only DVD discs labeled "4" or "ALL" if you try to play any other discs, the message "Check Regional Code" will appear on the TV screen and the disc will not play.



Color system

This product supports NTSC and PAL colour systems. Refer to section System Setup for details.

This product incorporates copyright protection technology that is protected by methods 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.

Progressive Scan outputs (525p)

"Consumers should note that not all high definition television sets are fully compatible with this product and may cause artifacts to be displayed in the picture, if 525 progressive scan picture problems occur" it is recommended that the user switch the connection to the 'standard definition' output. If there are questions regarding your TV set compatibility with this model 525p DVD player, please contact our customer service centre."

DISC HANDLING AND MAINTENANCE

Cleaning Precautions

- Before playing, clean the disc with a cleaning cloth, wipe the disc from the center out.
- Do not use solvents such as benzine, thinner, commercially available cleaners or antistatic spray intended for vinyl LPs.

Improper Disc Storage

You can damage discs if you store them in the following places

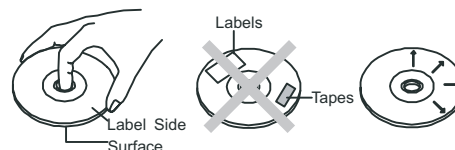
- Areas exposed to direct sunlight.
- Humid or dusty areas.
- Areas directly exposed to a heat outlet or heating appliance.
- After playing, store the disc in its case.

Handling Precautions

- To keep the disc clean, handle the disc by its edge. Do not touch the surface.
- Do not stick paper or tape on the disc.
- If there is glue (or a similar substance) on the disc, remove the glue completely before using the disc.
- Do not write on the label side with a ball-point pen or other writing utensils.
- Be careful not to drop or bend the disc.

Installing Precautions

- Do not install more than one disc on disc tray.
- Do not place the disc on the tray upside down.
- Do not try to close the disc tray when the disc is not installed properly.



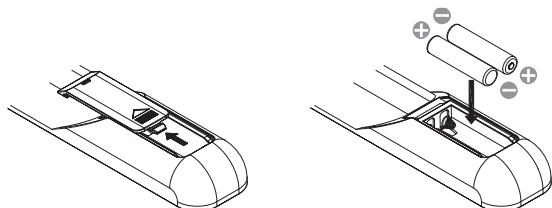
UNPACKING AND SET-UP

- Carefully remove the unit from the carton and remove all packing material from the unit.
- Check to be sure that you have all the following items in addition to the main unit and two speakers:

- FM antenna (x1)
- MW antenna (x1)
- Video cord (x1)
- iPod adapter (x6)
- AC cord (x1)
- Remote control (x1)

If any item is missing, consult your dealer immediately.

- We suggest that you retain the original carton and packing materials in case it ever becomes necessary to return your unit for service. This is the only sure way to protect the unit from damage in transit. If you do dispose of the carton and packing materials, please do so properly. We care about our environment.
- Remove any descriptive labels or stickers from the front panel of the unit. Do not remove any labels or stickers that may be affixed to the back panel of the main unit or the speakers.
- Insert two AAA batteries into the remote control while observing the correct (+) and (-) polarities as shown below.



- Incorrect use of batteries can cause electrolyte leakage and will corrode the compartment or cause the batteries to burst.

CONNECTIONS

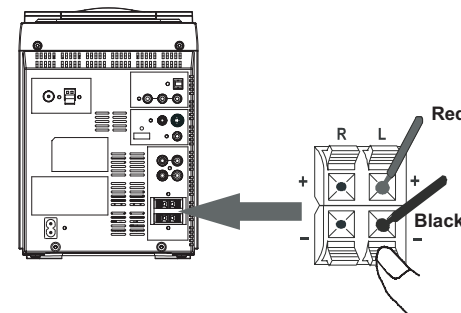
Follow these 5 steps to complete system connections.

1. Connect the speakers

Note: Always connect the speakers before switching the power 'on', and never operate the system without the speakers properly connected.

The speaker cables and the speaker terminals are color-coded.

- ▶ Connect the Red wires to the Red terminals.
- ▶ Connect the Black wires to the Black terminals. If the wires are connected incorrectly the sound will be "muddy" or distorted.

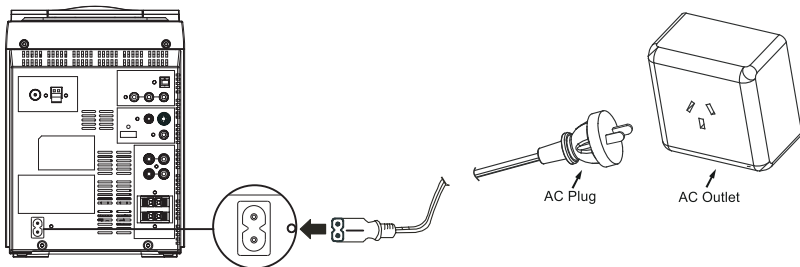


To make the connection, completely depress the plastic levers to open the terminals, insert the bare end of speaker wire into the terminal openings, and release the plastic levers to lock the wires in place. Connect one end of the wires to the main unit, the other to the speakers.

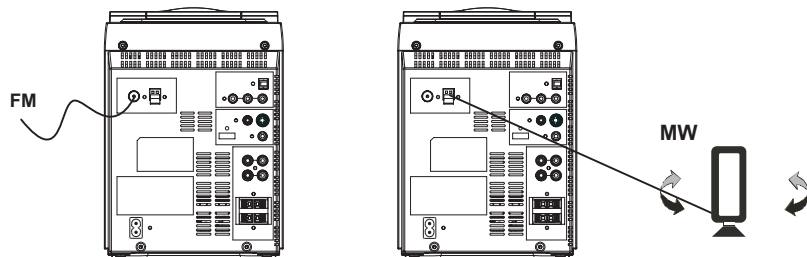
2. Connect the Main Unit to Power



This system is designed to operate on 230~240V 50Hz AC house current. Connecting this system to any other power supply could result in damage to the unit which is not covered by your warranty.



3. Setup and connect MW antenna, connect and extend FM antenna



4. Connect video to a TV

Use only one of the following connection methods

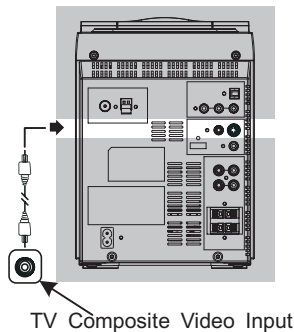
Good Picture

For good picture quality, use a composite (RCA-type, included) video cable to connect.

Make sure that the system is set to interlace not P-SCAN. Composite video out will not work if the system is set to P-SCAN

Press **ANGLE/P-SCAN** repeatedly until P-S disappears from the display.

Composite Video Connection



Better Picture

If your TV has an S-VIDEO input, you will get a better picture quality using an S-VIDEO cable (not included) to connect.

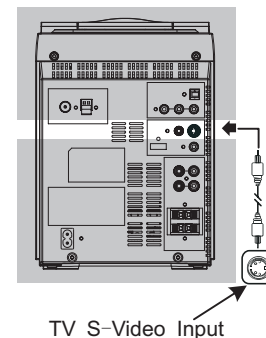
Make sure that the system is set to interlace not P-SCAN. Composite video out will not work if the system is set to P-SCAN

- Press **ANGLE/P-SCAN** repeatedly until P-S disappears from the display.

Set video out to S-VIDEO using on-screen setup:

1. Press **SETUP**
2. Use **▲▼** to select PREFERENCES
3. Press **ENTER**
4. Use **▲▼◀▶** to select VIDEO OUTPUT
5. Press **ENTER**
6. Use **▲▼** to select S-VIDEO
7. Press **ENTER**

S-Video Connection



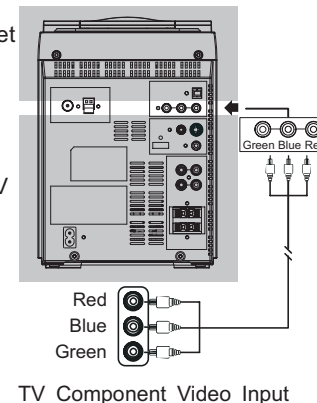
Best Picture

If your TV has component video inputs, you will get the best Component Video Connection picture quality using a component video cable (multi-function red, white and yellow connector cable included).

Be sure that the color coded connectors on the TV are connected to matching colored connectors on the DMS601 IP unit -be sure to connect RED to RED, BLUE to BLUE and GREEN to GREEN.

Set video out to COMPOSITE (YCbCr) using on-screen setup:

1. Press **SETUP**
2. Use **▲▼** to select PREFERENCES
3. Press **ENTER**
4. Use **▲▼◀▶** to select VIDEO OUTPUT
5. Press **ENTER**
6. Use **▲▼** to select YCbCr
7. Press **ENTER**



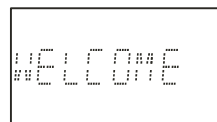
Consult your TV User Manual to find out if your TV supports Progressive Scan. If Progressive Scan is supported, follow the TV User Manual instructions to enable Progressive Scan input.

If your TV supports Progressive Scan:

- Open the disc tray (this setting can be changed only when disc tray is opened).
- Press the **ANGLE/P-SCAN** button to repeatedly until **P-S** appears on the display.

5. Press the **STANDBY/ON** button to turn the system 'on'.

The LCD screen shows 'WELCOME' briefly and the backlights illuminate.



To connect optional components see section Connecting External Devices.

Placement Of The System

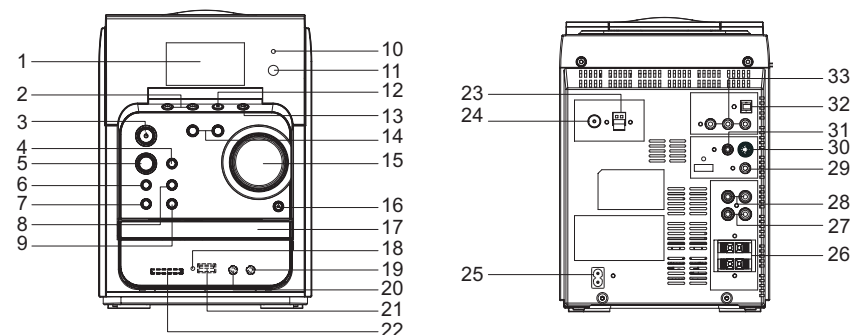
The system should be placed on a stable, level surface such as a table, shelf, or stand, convenient to a 230~240V 50Hz AC outlet, out of direct sunlight, and away from sources of excess heat, dust, moisture or vibration.

The speakers may be separated from the main as far the wires allow for maximum stereo separation, or they may be placed to the immediate left and right of the main unit.

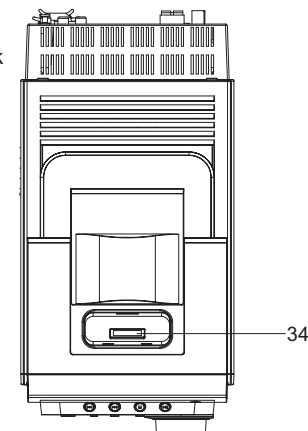
Protect Your Furniture

This model is equipped with non-skid rubber feet to prevent the product from moving when you operate the controls. These feet are made from non-migrating rubber material specially formulated to avoid leaving any marks or stains on your furniture. However certain types of oil based furniture polishes, wood preservatives, or cleaning sprays may cause the rubber feet to soften, and leave marks or a rubber residue on the furniture. To prevent any damage to your furniture we strongly recommend that you purchase small self-adhesive felt pads, available at hardware stores and home improvement centers everywhere, and apply these pads to the bottom of the rubber feet before you place the product on fine wooden furniture.

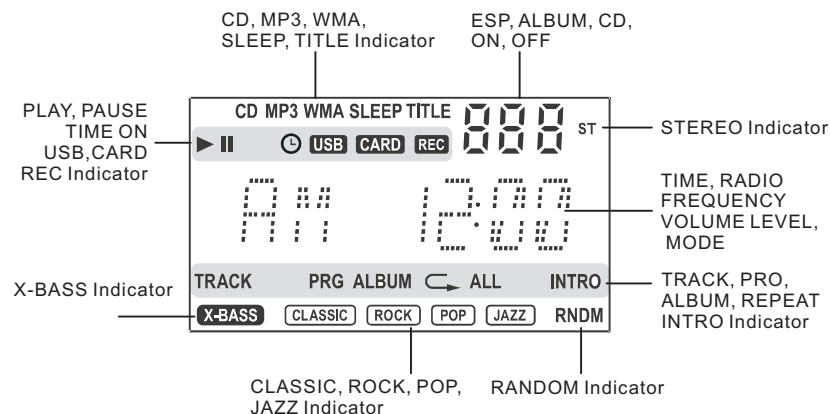
LOCATION OF CONTROLS



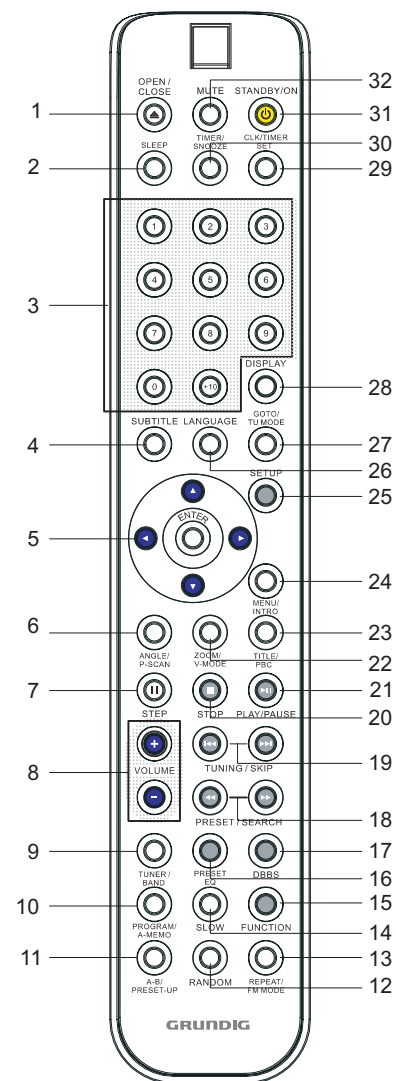
- | | |
|--------------------------|---|
| 1. VFD Display | 21. USB Connector |
| 2. SKIP/TUNING Button | 22. SD/MMC/Memory Stick Slot |
| 3. STANDBY/ON Button | 23. MW AERIAL |
| 4. TUNER/BAND Button | 24. FM AERIAL |
| 5. FUNCTION Button | 25. AC Power Socket |
| 6. EQ Button | 26. Speaker Terminals |
| 7. MENU Button | 27. Line In Connector |
| 8. DBBS Button | 28. Line Out Connector |
| 9. ENTER Button | 29. SUBWOOFER OUT |
| 10. STANDBY LED | 30. S-VIDEO OUT |
| 11. Remote Sensor | 31. VIDEO OUT |
| 12. STOP Button | 32. OPTICAL DIGITAL OUT |
| 13. PLAY/PAUSE Button | 33. COMPONENT VIDEO OUT (Y Cb/Pb Cr/Pr) |
| 14. PRESET/SEARCH Button | 34. Universal Dock for iPod |
| 15. Volume Control | |
| 16. OPEN/CLOSE Button | |
| 17. DVD Door | |
| 18. Card Indicator | |
| 19. AUX IN | |
| 20. PHONES | |



VFD DISPLAY



REMOTE CONTROL



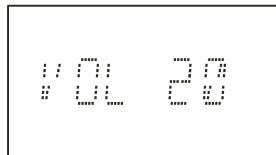
AUDIO CONTROLS

Volume Controls

To increase or decrease the system volume

- Press the **VOLUME +** or **VOLUME -** buttons on the remote controller turn the **VOLUME Control** on the front panel.

The Volume Level Indicator will appear on the display when you change the volume level. The level indicator ranges from VOL MIN to VOL MAX.



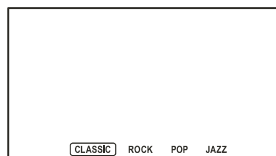
When the power is switched off automatically returns to the same level when the power is switched on again.

Note : If VOLUME setting is over 26 when the unit is turned off, it will revert to 26 when the unit is turned on again.

EQ (Electronic Preset Equalizer)

The preset equalizer allows you to adjust the sound characteristic for the most popular types of music.

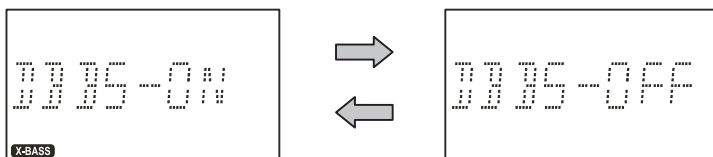
- Press the **EQ** button to cycle through the following equalizer settings: **CLASSIC, ROCK, POP, JAZZ, FLAT.**



The appropriate EQ indicator briefly appears on the display to confirm your selection, and your selection is shown at the bottom of the display. The system remembers the EQ setting when the power is switched off and returns to the same setting when the power is switched on again.

DBBS (Dynamic Bass Boost) Control

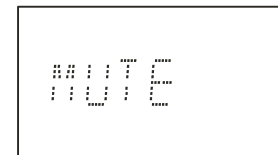
- Press the **DBBS** button to increase the bass response "**BBS-ON**" appears briefly on the display and "**X-BASS**" remains in the lower left of the display.
- Press again to cancel the Bass Boost function.



MUTE Button (On Remote Control Only)

- Press the **MUTE** button on the remote control to shut off the speakers temporarily.

The sound stops and the "**MUTE**" indicator shows in the display.



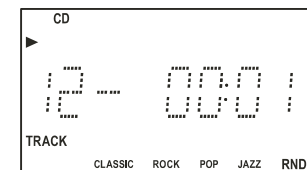
- Press the MUTE button again to cancel the mute function and restore the sound. The "**MUTE**" indicator disappears. The mute function will also be canceled automatically by pressing the **VOLUME +** or **VOLUME -** buttons.

Random Playback (On Remote Control Only)

The Random playback feature allows you play all the tracks on the disc in random order. You can select random playback while the disc is playing or when the player is stopped.

- Load a CD in the player as usual and then press the **RANDOM** button on the remote control handset.

The "**RNDM**" indicator appears in the display. The player will randomly select a track from the disc and begin playback. Random playback will continue until all tracks have played once, then the player stops.

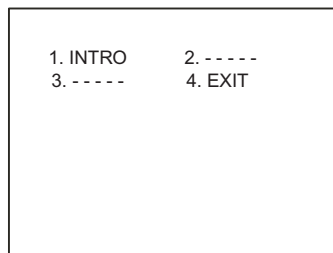


- To stop Random playback, press the **RANDOM** button on the remote control again. The "**RNDM**" indicator disappears and normal playback will resume from that point.

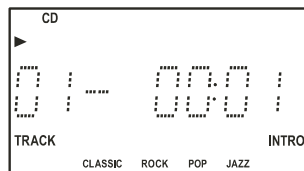
INTRO Scan Play back (On Remote Control Only)

This feature allows you to play just the first 12 seconds of each track on the disc. This may be useful when you are trying to locate a specific song but you do not remember the track number.

- Load the disc as usual and press the STOP button.
- Press the **MENU/INTRO** button on the remote control. On the TV screen will show:



- Press the “1” button to select “INTRO” on the remote control.
- The “INTRO” indicator will appear in the display.
- The player will play the first 12 seconds of each track automatically. When the first 12 seconds of the last track has played the player stops and the display shows the total playing time and number of tracks on the disc.



To cancel the Intro mode press the **MENU/INTRO** button once more until the “INTRO” indicator disappears.

COMPATIBLE STORAGE DEVICES

CD DVD USB SD MMC Memory Stick

This system supports playback of music, still images, and video from CD and DVD discs as well as USB and flash memory card devices. This section covers compatible storage devices, supported file types, playback operations and controls.

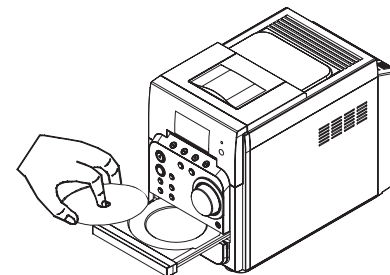
IMPORTANT:

- This player is designed to play media from SD, MMC and Memory Stick™ flash memory card devices and from USB flash memory devices. Playback of media from USB-connected devices such as MP3 players that generally require drivers for interaction with a PC is not supported. Playback from all physically compatible flash devices cannot be guaranteed in all situations. This is not an indication of any problems with your player.

LOADING AND REMOVING A DISC

CD DVD

1. Press the **OPEN/CLOSE**  button on front panel to open the disc tray. If you have not already done so, remove the protection card and discard it. You will not be able to play any disc unless the card is removed.
2. Load a disc into the player with the printed label facing up.
3. To remove a disc, press the **OPEN/CLOSE**  button and remove the disc from the tray only when it has fully opened.



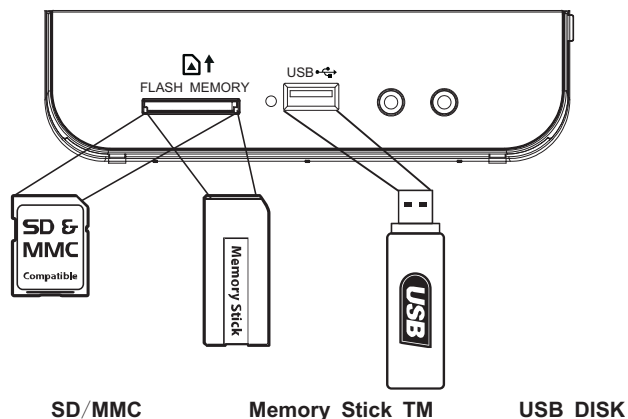
CAUTIONS:

- Do not put anything except a CD or DVD into the compartment. Foreign objects can damage the mechanism.
- Keep the disc compartment closed when not in use to prevent dirt and dust from entering the mechanism.
- Never place more than one disc into the disc compartment at any time.

INSERTING AND REMOVING FLASH DEVICES

Open the door on the front of the unit to reveal the card slots.

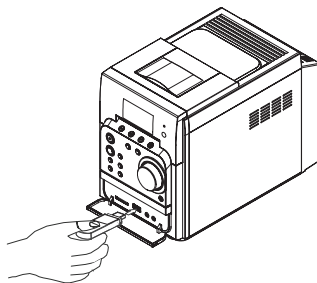
Flash devices are inserted into compatible openings on the front of the unit.



INSERTING AND REMOVING USB FLASH MEMORY DEVICES

USB

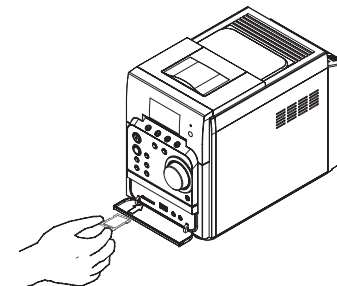
- Insert the USB connector into the socket on the unit and press gently to seat. The connector can only be inserted one way.
- Remove the device by gently pulling it out of the socket.



INSERTING AND REMOVING FLASH MEMORY CARD DEVICES

SD MMC Memory Stick

- Insert the card into the slot by gently pressing into position until it locks in place. Cards can only be inserted one way.
- Remove the card by gently pulling it out of the slot.



IMPORTANT:

- Be sure to use the proper adapter if required. Failure to use the correct adapter may cause damage to the memory card or the unit.
- Only one type of memory card can be inserted at one time.

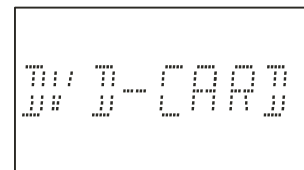
ACCESSING DISCS AND FLASH DEVICES

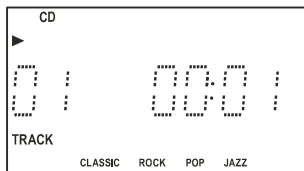
CD DVD USB SD MMC Memory Stick

Once a disc of flash device is inserted, you may access its contents. The main display on this unit shows basic file information including name and play length, however navigation of devices with multiple folders and file types is best performed through the On Screen Display (OSD) on a connected TV. Please refer to the section On Screen Display later in this manual for details. If you will be accessing image or video files make sure you have a TV connected.

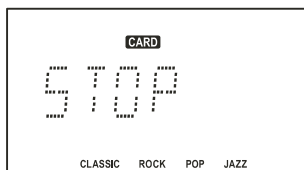
To access discs and flash devices:

1. Insert a disc or flash device as above. Make sure the disc tray is closed.
2. Use the **FUNCTION** button to select DVD-CARD mode. The unit will load the contents of the disc or flash device.
3. Once a CD or DVD is loaded, track information will be displayed.



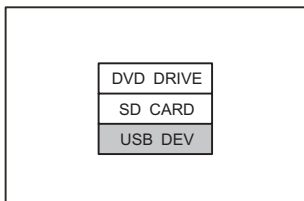


For example, when a CD is loaded.



Cards and USB devices show the device name.

4. If more than one device is inserted you may select which device to access:



- Make sure this disc tray is closed
- Press STOP ■
- Press GOTO/TU MODE. A list of connected devices is shown on the connected TV

NOTE: When more than one device is inserted, selection of active device is only possible using the OSD. Please connect a TV.

5. Use the ▲▼ arrows to select the device you wish to access.

6. Press **ENTER** to select. The folder structure of the device appears on the OSD if available. For details of navigation using the OSD, refer to section On Screen Display.

PLAYING SONGS, VIDEOS AND IMAGES

CD DVD Mp3 WMA JPEG MPEG4 VCD

Basic playback procedures for songs, videos and images including audio CDs, DVDs, MP3/WMA music files and JPEG images are very similar and functions can be accessed directly from the unit's front panel or from the remote. This section focuses on basic controls. More advanced controls require use of the OSD and are discussed in detail in section On Screen Display.

To begin playback

- Press the PLAY/PAUSE ►|| button.
- Press again to resume normal playback.

Note:

- This unit will not play DVD discs that have a different region code from the player's setting.
- 🛑 will display on the TV screen when a button is pressed and the function is not available on the disc you are playing.

To pause playback

- Press the PLAY/PAUSE ►|| button to pause. Press again to resume normal playback.

To stop playback

- Press the STOP ■ button.
- To resume playback from the same point, press the PLAY/PAUSE ►|| button.

To skip to another track or chapter

- Press the **TUNING/SKIP** ◀◀ ▶▶ buttons on the remote repeatedly during playback or pause.
- Use the buttons or the number keypad (0 ~ 10+) to enter and select a desired track/chapter to begin playback.

To locate a point in a track quickly (Fast Forward and Fast Reverse)

- Press the **PRESET/SEARCH** ◀◀ ▶▶ buttons on the remote. Each time you press the button, searching speed changes:



- To return to normal play press the **PLAY/PAUSE** ►|| button.
- The sound will be muted during fast forward or fast reverse search.

To watch frame by frame (Slow Motion Play)

- Press the **SLOW** button on the remote. Each time you press the button, playback speed changes:



Note:

- The sound will be muted during slow-motion play.
- Some discs and file formats may not respond to the slow feature.
- Audio formats do not support this feature.

To mute the sound

Press the MUTE button. MUTE will be displayed on TV screen.

Press MUTE again to restore the sound to the previous level, MUTE OFF will be displayed on TV screen.

To zoom the image

This function allows you to enlarge or shrink the picture on the TV screen and to pan through the enlarged image. Some discs may not respond to zoom.

For DVD/VCD discs:

Press the **ZOOM/V-MODE** button repeatedly to select a zoom factor as listed below:



For JPEG files:

- Press the **ZOOM/V-MODE** button to enter ZOOM mode.
- Repeatedly press **▼** button to zoom in and **▲** button.



- Move about inside the image using **▲▼◀▶** buttons.

For MPEG4 files:

- Press the **ZOOM/V-MODE** button to select ZOOM 2.
- Use the **▲▼◀▶** buttons to move the enlarged picture up, down, left or right.
- To resume normal playback, press the ZOOM/V-MODE button again.

To play a track repeatedly

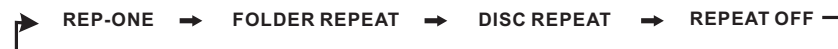
For DVD discs, repeat chapter/title/disc:

- Press the **REPEAT/FM MODE** button repeatedly to select one of the following repeat modes:



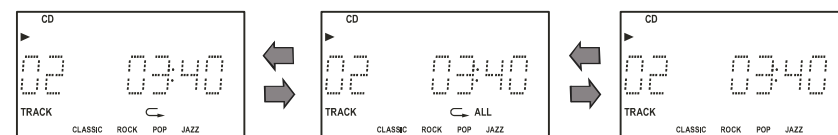
For MP3 and JPEG files, repeat track:

- Press the **REPEAT/FM-MODE** button repeatedly to select one of the following repeat modes:



For VCD, SVCD, and CD discs, repeat track:

- Press the **REPEAT/FM-MODE** button repeatedly to select one of the following repeat modes:



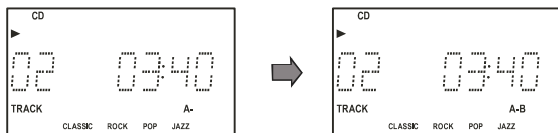
Notes

- Repeat play mode is only selectable during STOP mode.
- When playing VCD discs, repeat play is not possible during PBC playback. Turn PBC OFF first.

To play part of a track repeatedly

Use the repeat A-B function to play a specific section of a chapter or track repeatedly.

- Press the **A-B/PRESET UP** button at your chosen starting point. A is shown on the display.
- Press the **A-B/PRESET UP** button again at your chosen end point. A-B is displayed and this section now repeats continuously.
- To resume normal play, press the **A-B/PRESET UP** button again.



Notes

- The Repeat A-B function can be set only within the same chapter or track.
- This function is not available when playing MP3 files.

PLAYING MP3/WMA FILES

Mp3 WMA

- Playback of MP3/WMA files follows the procedures described in the preceding section.
- If you have a large number of files on one storage device, using the OSD will help you navigate more easily. Please refer to section On Screen Display.
- Artist and title information, if available from the MP3 or WMA file will be shown on-screen when a TV is connected.
- While playing MP3/WMA files press ENTER to alternate between displaying filename/ID3 information and track number/playback time on main unit display.

VIEWING IMAGES

JPEG

- This unit can play JPEG images from Kodak Picture CDs, Fujifilm Fujicolor CDs as well as regular JPEG images on any supported disc or device.
- Other image formats are not supported. JPEG image playback follows the same principles as playing tracks on a regular CD.
- Files with extensions JPG and JPEG can be played.
- For baseline JPEG, the maximum picture resolution is 5120x3840. Beyond that, the picture will be cropped. For progressive JPEG, the maximum resolution is 2048x1536. Beyond that, the picture will not be shown at all.
- File names can be more than 8 characters long, however only the first 12 characters will be displayed.
- Images can be rotated using the ▲▼◀▶ buttons.
- Zoom controls are discussed on the previous page.
- If you have a large number of files on one storage device, using the OSD will help you navigate more easily. Please refer to section On Screen Display.

PLAYING MPEG4 VIDEO FILES

MPEG4

- This unit can play a variety of MPEG4 video formats .
- MPEG4 files can be played using the usual playback controls.

SPECIAL DVD FUNCTIONS

DVD

Playing DVDs using the Menus

- During DVD video playback, press the **MENU** button to display the menu options for that particular disc.
- Press the ▲▼ buttons to select an option
- Press the **ENTER** button to confirm.
- Within the sub-menus, use the ▲▼◀▶ buttons to select and press the **MENU** button to confirm.

Note

- Depending on the DVD disc, a title menu may be called a menu or title in the instructions supplied with the disc.
- For some DVD discs, playback will restart from the beginning of the disc when you press the **MENU** button.
- Some DVD movie discs may not have all the features described in this chapter. Refer to the instructions or liner notes that are included with each disc to determine which features and operations are available on each disc.

Changing the Sound

Press the LANGUAGE button repeatedly to cycle through the available audio languages and sound track types that are recorded on the disc.

Note

This operation works only with DVDs recorded in multiple sound track languages.

Changing the Subtitles

While the DVD is playing, press the SUBTITLE button repeatedly to select the available subtitle language.

Note:

- This feature works only with DVDs recorded in multiple subtitle languages.

Changing the Angle

Some DVD discs contain scenes which have been filmed simultaneously from a

number of different angles. For these discs, the same scenes can be viewed from each of the different angles. The recorded angles may differ from disc to disc.

- Press the **ANGLE** button repeatedly to change the viewing angle. The angle icon is displayed on
- the screen when **ANGLE** mode is active.

Note:

- The angle icon will clear automatically after five seconds.
- The maximum number of angles is 9.

SPECIAL VCD/SVCD FEATURES

VCD SVCD

Playing VCDs with Playback Control Functions

Playback control (PBC) allows you to play Video CDs interactively, following the menus on your TV screen.

- Press the PBC button on the remote control repeatedly to select PBC ON or PBC OFF.
- When the PBC function is OFF, press the **PLAY/PAUSE** ►|| button to start playback.
- When the PBC function is ON, press the **PLAY/PAUSE** ►|| button to display the PBC menu (if available) on your TV screen.

Note

- If PBC mode is switched ON, **TIME SEARCH** and **REPEAT** functions are not available.

PLAYING KARAOKE DISCS

This unit will play VCD, SVCD and DVD Karaoke discs. These disc formats will display the lyrics on your television screen in time with the tempo of the music, so you can easily sing along.

CAUTION

To avoid possible damage to your speakers, adjust the microphone volume to the minimum level before connecting and turning on your equipment.

Basic playback

After the disc is loaded playback will begin with the first track on the disc. The song title, followed by the lyrics will be displayed as the music plays. Once you have selected the desired track, turn the microphone ON, adjust the volume control to a reasonable level and begin singing into the microphone. Playback controls are the same as any other media format.

CHOOSING THE CORRECT ADAPTER



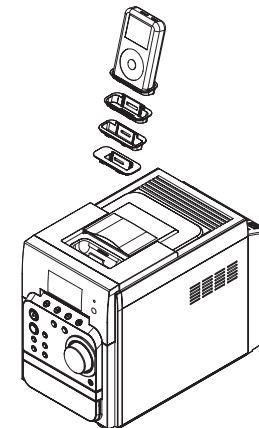
When connecting an iPod to this iPod Dock, please ensure that the correct adapter plate is used. FAILURE TO DO SO MAY RESULT IN DAMAGE TO THE iPod.

This unit comes with 6 removable dock adapters to ensure the iPod fits properly in the dock on the top of the system.

NOTE: The adapter for iPod nano is already installed in the dock in the top of the system

To place a dock adapter:

1. Refer to the compatibility table below and select the correct dock adapter for the iPod. Using the correct adapter ensures the proper fit for your iPod and helps to reduce the stress on the connector when operating the iPod.
2. Carefully align and then gently insert the iPod into the dock. (The iPod must not be in a case or "skin").
3. To remove/replace an dock adapter, first remove the iPod, then grip the insert and pull gently upwards. Please refer to page 30.



LISTENING TO YOUR iPod

1. Insert the iPod as described above.
2. With the unit turned on, press the function button repeatedly until "iPod " is shown in the display.
3. Press the **PLAY/PAUSE**, Stop button on the Micro System to commence, control playback and stop.



NOTE: The volume control on the iPod only adjusts the volume of any headphones connected. To increase volume when connected, use the volume controls on the front panel or remote control.

IMPORTANT: To prevent distortion during iPod playback you should go to the Main Menu of your iPod, select the Settings Menu page, select the EQ Setting, and make sure that the EQ function is set to "Off" .

Main Menu → Settings Menu → Eqsetting → Select"Off"

Dock Adapter Compatibility

		A	B	C	D	E	F
							
iPod touch 	8GB						X
	10GB						X
3G nano 	4GB					X	
	8GB					X	
iPod classic 	80GB			X			
	160GB		X				
2G nano 	2GB				X		
	4GB				X		
	8GB				X		
5G iPod (with video) 	30GB			X			
	60GB		X				
	80GB		X				
iPod nano 	2GB				X		
	4GB				X		
iPod photo 	20GB		X				
	30GB		X				
	40GB	X					
	60GB	X					
4G iPod 	20GB		X				
	40GB	X					
iPod mini 	4GB		X				
	6GB		X				
3G iPod (Play only will not charge) 	10GB		X				
	15GB		X				
	20GB		X				
	30GB	X					
	40GB	X					

PLAYING VIDEO FROM iPod

This unit supports playback of video from video-capable iPod models. You can view images and video stored on your iPod on a TV.

To play video from iPod:

1. Refer to your iPod documentation to be sure it is video capable.
2. Ensure the video output on your iPod is turned on.

Video Settings → TV out → On

3. Make sure the unit and TV are connected using an S-VIDEO or composite video connection.
4. Make sure the iPod is securely docked into the unit using the correct dock adapter.
5. Select iPod mode using **FUNCTION** button.
6. Play video on your iPod or start a slideshow. Video will play on your TV and audio through the unit's speakers.

Playing Music and Video From Your iPod

Press PLAY on the iPod, main unit or remote. The music playback will start.

You can control all of the iPod's functions including menu navigation from the remote control, and to select tracks, play, pause and stop and from the main unit

Control	Location	Function
▶	Main unit, remote	Press to play, press again to pause
◀◀ ▶▶	Main unit, remote	Press once to select track
■	Main unit, remote	Press to stop
	Remote	iPod MENU function
ENTER	Remote	iPod SELECT function
^	Remote	iPod scroll up
v	Remote	iPod scroll down
DISPLAY	Remote	Select iPod video output when in the video or photo mode.

CHOOSING THE CORRECT ADAPTER

Charging your iPod

When an iPod is docked into the system it will be provided power to charge. You will notice a charging indication on the screen of the iPod when it is charging. You may leave the iPod docked to the system for extended periods; charging will automatically stop when the battery is fully charged.

FAILURE TO DO SO MAY DAMAGE THE iPod

When an iPod is inserted into the dock, it will go to standby mode then turn off. Whilst the iPod is docked in the system, it will recharge (until fully charged). Please note that older 3rd generation iPod cannot be charged by this unit.

The OSD on a connected TV shows system information and allows you to interact with the system in a variety of ways. In particular it allows you to easily navigate devices with large numbers of files, folders different file types, and to control system settings. In order to use the OSD you must have a TV connected to the system. Please refer to page 12 for details of connecting a TV.

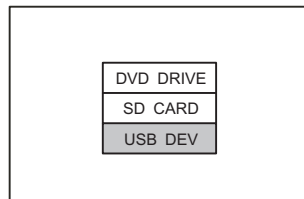
NAVIGATING DISCS AND FLASH DEVICES

CD DVD USB SD MMC Memory Stick

Selecting a Device

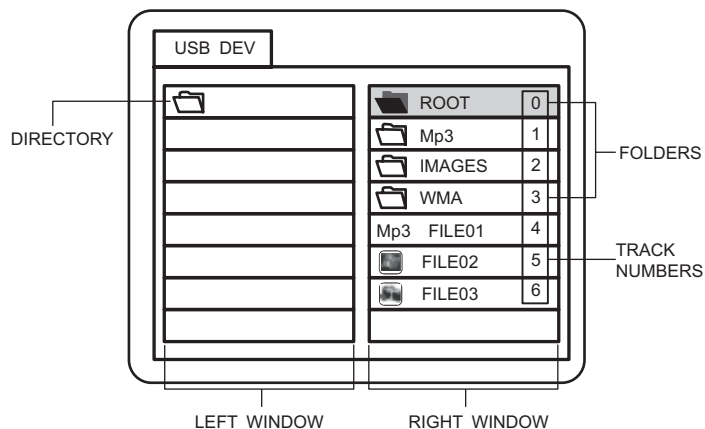
If only one device is inserted it will be automatically detected. If more than one device is inserted you may select which device to access:

- Make sure this disc tray is closed
- Press STOP
- Press GOTO/TU MODE. A list of connected devices is shown on the connected TV.
- Use the arrows to select the device you wish to access.
- Press ENTER to select.

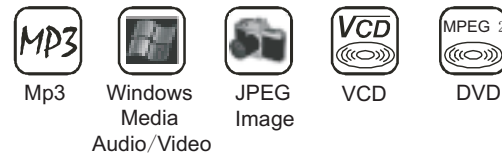


Folder and File Navigation

Once a storage device is installed and selected, you will see a folder structure on the screen, similar to that below.



This unit uses different icons to represent different file types:



The system cannot recognise file types other than those listed above.

Note:

- File names can be any length but only the first 8 characters will display.
- Only letters of the alphabet and numbers will display properly.

To move about within the OSD, follow the steps below. Folder selections can only be made in stop mode.

To select the parent folder:

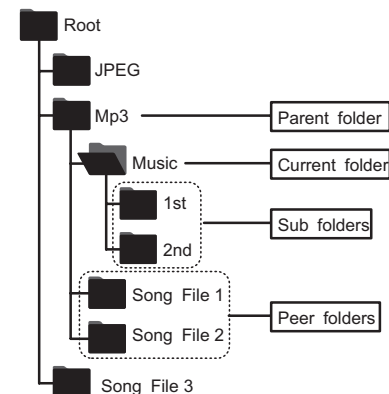
Press the ▲▼ buttons to select ..
Press **ENTER**.

To select the peer folder:

Use the ◀▶ buttons to highlight left window.
Use the ▲▼ buttons to select the desired folder.
Press **ENTER**.

To select the sub folder:

Use the ◀▶ buttons to highlight right window.
Use the ▲▼ buttons to select the desired folder.
Press **ENTER**.



OSD INFORMATION AND PLAYBACK CONTROLS

The OSD can also provide you other information and control during playback.

Status during playback

To access the OSD during playback

- Press DISPLAY on the remote.

Most CD, JPEG and VCD discs can display OSD information while they are playing. Depending on the disc type, repeatedly pressing DISPLAY will show all or some of the following:

SINGLE ELAPSED → SINGLE REMAIN → TOTAL ELAPSED → TOTAL REMAIN → OFF.

Playing a specific chapter, track or time

While a disc is playing:

1. Press the DISPLAY button to display the OSD menu.
2. Press the GOTO/TU MODE button on the remote control.
3. Use the number buttons (0~10+) to enter your selection
4. Press the ENTER button to confirm and begin playback at that point.

Programming a Playlist

This feature allows you use the OSD to program your favorite titles, chapters, or tracks and play them in a determined order. You can program up to 99 selections into memory.

1. With a disc or flash device inserted in the player, press the **STOP** button.
2. Press the **PROG/A-MEMO** button to enter programming mode. PROGRAM appears on the OSD and “PRG” shows on the display.
3. Use the number buttons (0~10+) enter the track number of the first track you wish to program.

NOTE: If you are programming a playlist for MP3, WMA or JPEG files, the “track number” is the file number shown to the right of the file name on the OSD. If you have multiple folders on the device, the **first** “tracks” may in fact be folders.

4. Use the number buttons to enter the **next** track in your playlist. There is no need to press any other key to advance to the next position in the program.
5. Continue entering track numbers until your playlist is complete. For example, to program tracks 2, to program tracks 2,
4. and 7 in sequence simply press, “2” , “4” , “7” .
6. Press **ENTER** to start playback.

LISTENING TO THE RADIO

1. Press the **STANDBY/ON** button to turn the unit ‘ON’ .
2. Press **TUNER/BAND** repeatedly to select the **MW** or **FM** band
3. Tune to the desired station as follows:

• Manual Tuning

Repeatedly press the **PRESET/SEARCH** ◀▶ buttons until the display shows the exact frequency of the desired station. Use the Manual Tuning method to tune to weak or distant stations that are not strong enough to be recognized by the Automatic Tuning system.

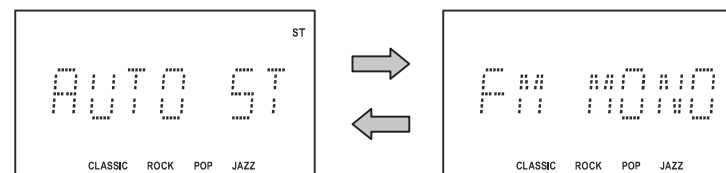
• Automatic Tuning

Depress and hold the **PRESET/SEARCH** ◀▶ buttons until the display begins to move, then release the buttons. The Tuner will search up or down the band for the next strong signal and stop on that station. Repeat this procedure until the tuner stops on your desired station.

Tuner Functions

To Receive FM Broadcasts in Stereo

Press the **REPEAT/FM MODE** button on the remote until **AUTO ST** appear on the display. If the FM stereo broadcast signal is weak, press the **REPEAT/FM MODE** button until **FM MONO** appears on the display. Background noise will be reduced but the signal reproduced will be mono. To restore stereo reception, press the **REPEAT/FM MODE** button again.



Presetting Stations in the Tuner Memory

You can store up to 80 of your favorite stations (40 FM / 40 MW) in the tuner memory for easy recall at any time.

• Auto Preset Station Memory

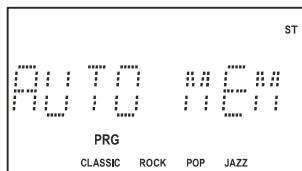
The device automatically searches for and saves the first stations it receives on the FM and MW bands.

1. Press **TUNER/BAND** repeatedly to select the **MW** or **FM** band

2. Press the **A-MEMO** button on the remote twice. **AUTO MEM** will appear on the display.

3. Press **ENTER** to confirm and begin searching.

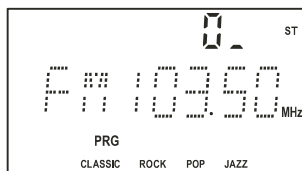
4. The unit will store up to 40 MW and 40 FM stations automatically.



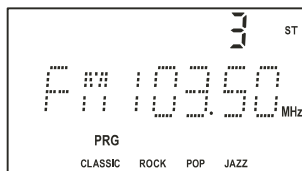
• User Preset Station Memory

1. Using either the manual or automatic tuning method described above, tune to the first station you wish to memorize (Example: FM 103.50 MHz):

2. Press the **PROGRAM/A-MEMO** button on the remote control once. Memory location number "0_" will flash on the display and "PRGM" will display for 5 seconds.



3. During the 5 seconds in step 1 above, select the desired memory location by pressing the **TUNING/SKIP** >>| button repeatedly. Example "03".



4. Press the **PROGRAM/A-MEMO** button again to store the station in that location.

5. Tune to the next station you wish to store and repeat steps 1 to 4 until you have stored up to 40 stations in the FM band. You may then press the **TUNER/BAND** button to switch to the MW band and follow the same procedure to enter up to 40 MW stations in the tuner memory.

Tuning into a Preset Station

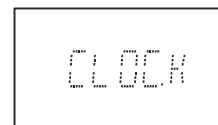
1. Press **TUNER/BAND** repeatedly to select the MW or FM band

2. Press the **TUNING/SKIP** button to select the preset station or use the numbered buttons to enter the memory location of the preset station.

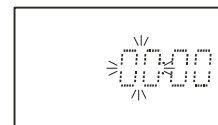
OTHER FUNCTIONS

Setting the Clock

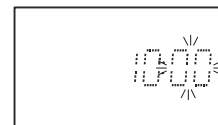
1. Press the **CLK/TIMER SET** button, **CLOCK** will appear on the display.



2. Press the ▲ or ▼ of rotation button to select 12 or 24 hour.

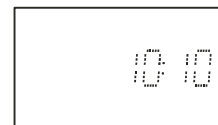


3. Press the **ENTER** button ONCE. The Hour segments flash continuously.



4. Press the ▲▼ button to select the desired hour.

5. Press the **ENTER** button again the minute segments flash.



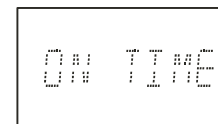
6. Press the ▲▼ button to select the desired minute.

7. Press the **ENTER** button once more. The flashing stops and the time is set.

Setting the Wake Timer

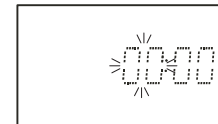
NOTE: The clock should be adjusted before the Wake Timer setting.

1. Press **CLK/TIMER SET** button twice. The LCD display will change to ON TIME mode.

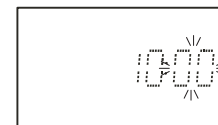


2. Press **ENTER**; then the hours segment flashes.

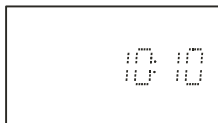
3. Press the ▲▼ button to select the wake-up hour.



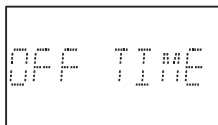
4. Press the **ENTER** button again. The hours segment stops flashing. The minute segment flashes.



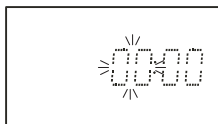
5. Press the ▲▼ button to select to wake-up minute.



6. Press the **ENTER** button again. The minute segment stops flashing, and the LCD display will change to OFF TIME mode.

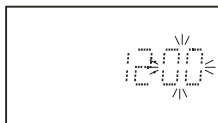


7. Press the ENTER button. The hour segment flashes.

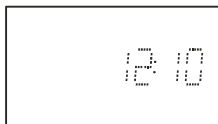


8. Press the ▲▼ to select OFF-TIME hour.

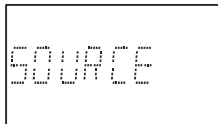
9. Press the ENTER button again. The hour segment stops flashing. The minute segment flashes.



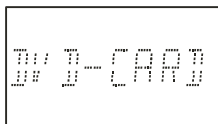
10. Press ▲▼ to select OFF-TIME minute



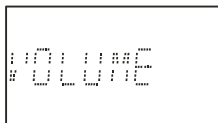
11. Press the ENTER button again to complete the timer setting, and SOURCE will appear on the LCD display.



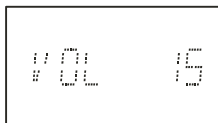
12. Press the **ENTER** button again, then press the button to select to "DVD CARD", "iPod", "MW TUNER", "FM TUNER" or AUX mode.



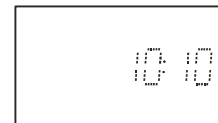
13. Press the **ENTER** button again, and VOLUME will appear on the LCD display.



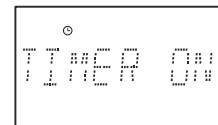
14. Press the **ENTER** button again, then press ▲▼ the button to select volume level.



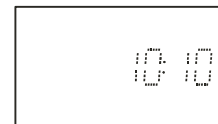
15. Press the ENTER button again to complete the source and volume setting.



16. Press the **TIMER/SNOOZE** button to activate the timer. and TIMER ON appears on the display.



17. Press **TIMER/SNOOZE** again to cancel the wake timer; disappears from the display.



Setting the Snooze

When the alarm is active, pressing the **TIMER/SNOOZE** button will silence the alarm for approximately 5 minutes. After the 5-minute snooze interval the alarm will sound again. The snooze timer starts counting down after the **TIMER/SNOOZE** button is released.

Setting the Sleep Function

To fall asleep to music use the sleep function.

- Repeatedly press the **SLEEP** button to cycle through sleep timer settings.

➔ 10 ➔ 30 ➔ 60 ➔ 90 ➔ 120 ➔ OFF



SLEEP shows on the display.

- To check remaining sleep time, press **SLEEP** again. Remaining time is displayed.
- To cancel sleep, press SLEEP until **SLEEP** disappears from display.

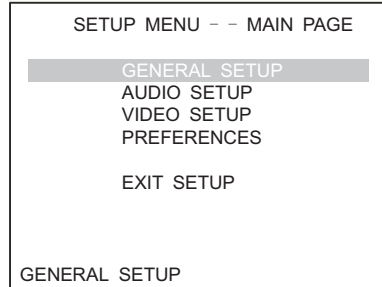


SYSTEM SETUP

This system is designed with a user-friendly setup menu displayed on a connected TV. This section guides you through the system and disc setup options, recommendations and defaults.

To navigate the setup menu:

1. Press the **FUNCTION** button to select DVD-CARD mode.
2. Press **STOP** ■ .
3. To access the system setup menu press **SETUP**
4. The **GENERAL SETUP**, **AUDIO SETUP**, **VIDEO SETUP**, and **PREFERENCES** icons will be displayed.



5. Use the ▲▼◀▶ buttons to select one of the SYSTEM SETUP options, highlight your desired selection with in each SETUP menu and press the ENTER button to confirm.
6. To exit the menu and go to another SETUP menu, use the buttons to select MAIN PAGE or EXIT SETUP.

General Setup

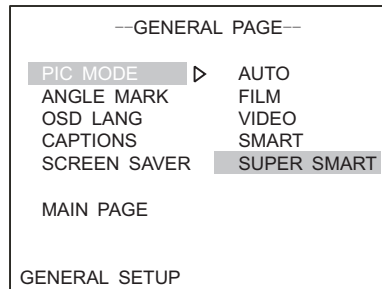
PIC MODE: Select different picture image quality. Selections are Auto - Film - Video - Smart - Super Smart.

ANGLE MARK: Change viewing angles (where available).

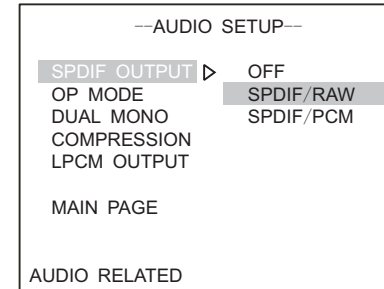
OSD LANG: Select a language for On Screen Display. Selections are English - French - German - Italian - Spanish.

CAPTIONS: Turn subtitle ON or OFF.

SCREEN SAVER: Set the screen saver option to ON or OFF. The default setting is ON.



Audio Setup



Use these digital output settings when you have connected an external amplifier using the optical digital audio output. Refer to section Connecting External Devices.

S/PDIF OUTPUT:

- OFF: Setting will turn off the digital output.
- SPDIF/RAW: This setting will output the digital signal depending on the disc recorded format.
- SPDIF/PCM: Use this setting when the audio output of the DVD player is from the AUDIO OUT (2RCA jacks).

OP MODE: Line - out and RF Remod selections

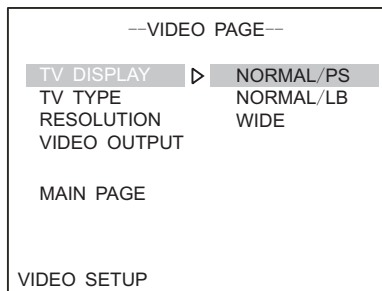
DUAL MONO - Audio reproduction mode used only when the input consists of two independent audio channels (1/1 mode). Selections are:

- STEREO: Reproduce both channels as is (Default setting)
- LEFT MONO: Reproduce the left channel only.
- RIGHT MONO: Reproduce the right channel only.
- MIX MONO: Mix both channels.

COMPRESSION - Dynamic range compression mode. Selections are: FULL, 6/8, 4/8, 2/8, OFF.

LPCM OUTPUT: Select LPCM 48K or LPCM 96K.

Video Setup



TV DISPLAY – Selects the aspect ratio of the playback picture.

- NORMAL/PS: Pan & scan display.
- NORMAL/LB: Letterbox display.
- WIDE: Widescreen display

TV TYPE – Selects the type of television.

- MULTI SYSTEM : Automatic – self – selecting television sets.
- NTSC: If the connected TV uses NTSC system, select this mode. It will change the video signal of a PAL disc to output in NTSC format (used in the USA, Canada and Japan).
- PAL: If the connected TV uses PAL system, select this mode. It will change the video signal of a NTSC disc to output in PAL format (used in Western Europe).

RESOLUTION – Selects the resolution of television.

- SD INTERLACE :
- SD PROGRESSIVE:
- 720P:
- 1080I:

VIDEO OUTPUT – Selects the VIDEO OUTPUT options.

- S-VIDEO: Select if your TV is connected using the S-VIDEO output.
- YCBCR: Select if your TV is connected using the component video output.
- RGB: Select if your TV is connected using the component video output (RGB).

Preferences Setup

TV DISPLAY – Selects the aspect ratio of the playback picture.

- NORMAL/PS: Pan & scan display.
- NORMAL/LB: Letterbox display.
- WIDE: Widescreen display

TV TYPE – Selects the type of television.

- MULTI SYSTEM : Automatic – self – selecting television sets.
- NTSC: If the connected TV uses NTSC system, select this mode. It will change the video signal of a PAL disc to output in NTSC format (used in the USA, Canada and Japan).
- PAL: If the connected TV uses PAL system, select this mode. It will change the video signal of a NTSC disc to output in PAL format (used in Western Europe).

VIDEO OUTPUT – Selects the VIDEO OUTPUT options.

- S-VIDEO: Select if your TV is connected using the S-VIDEO output.
- YCBCR: Select if your TV is connected using the component video output.
- YCBCR: Select if your TV is HD TV.
- RGB: Select if your TV is connected using the component video output (RGB).

AUDIO: Selects the spoken language. Selections are:

English - French - Spanish - Japanese - German - Italian - Others

SUBTITLE: Selects the displayed subtitle language. Selections are:

English - French - Spanish - Japanese - German - Italian - Others - Off

DISC MENU: Selects a language for menus. Selections are:

English - French - Spanish - Chinese - Japanese - German - Italian - Others - Off

PARENTAL: Parental controls setup. After selecting one of the PARENTAL items the screen will change to the PASSWORD VERIFY page. Selections are:

1 G, 2, 3 PG, 4 PG13, 5, 6 PG-R, 7 NC-17, 8 ADULT, NO PARENTAL.

PASSWORD: Change Password. The default is 3308.

DEFAULTS: Select RESET and press the ENTER button to restore to all factory default settings

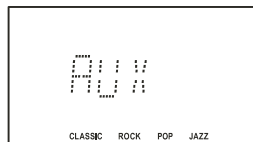
CONNECTING EXTERNAL DEVICES

Auxiliary Input Jacks

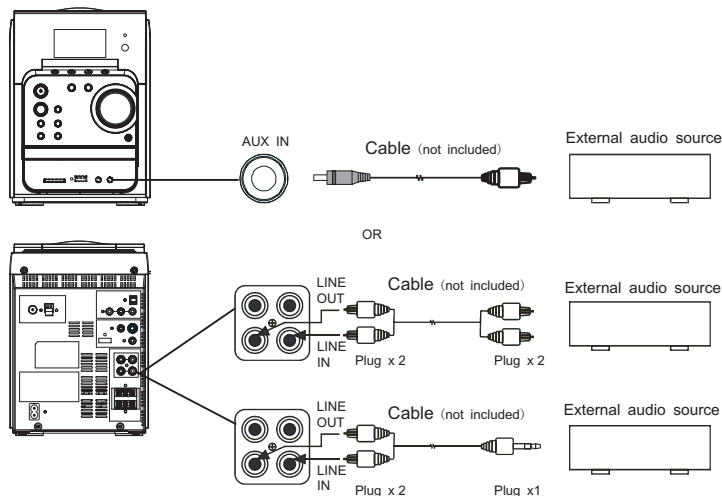
This system includes two auxiliary inputs, one on the front labeled “AUX IN” and other at the back labeled “LINE-IN”. These inputs allow you to connect external audio sources and play the audio through the speakers of the system. You may find it convenient to connect equipment you use regularly (such as a turntable) to the rear line inputs and equipment you use occasionally (such as iPod shuffle or another MP3 player) to the front input. If devices are connected at the same time to both inputs, the front input is automatically selected as the audio source. To listen to the audio from the rear input you must disconnect the front input.

To listen to the external audio source:

- Connect the external audio equipment to the AUX IN jack on the front panel or the LINE IN jacks on the rear of the system as shown below.

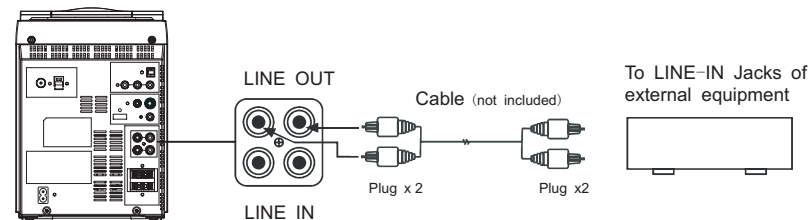


- Select the “AUX” mode using the **FUNCTION** button. Audio plays through the system’s speakers.



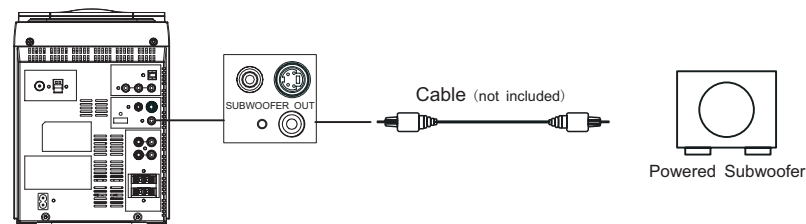
Line Output Jacks

This system includes a pair of line outputs on the rear panel labeled “LINE OUT”. You may connect an external amplifier or recording device as shown below. Connect as shown below.



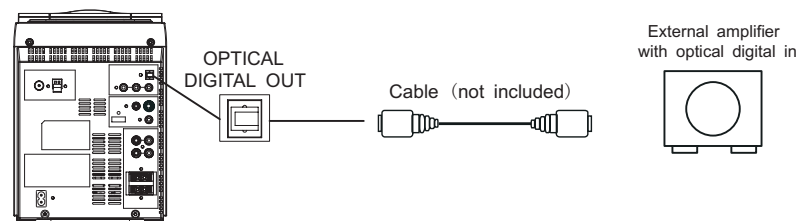
Connecting a Subwoofer

This system includes a subwoofer output jack on the rear panel labeled “SUBWOOFER OUT”. You may connect an external, powered subwoofer using a single RCA-type cable as shown below.



OPTICAL DIGITAL OUT

You may use the OPTICAL DIGITAL OUT connector and an optical cable (not included) to connect a multichannel external amplifier with optical input. This optical connection will allow you to take full advantage of the Dolby Digital information encoded on some discs.



Connecting Stereo Headphones

This system includes a stereo **PHONES** jack on the front panel of the main unit. You may connect a set of stereo headphones, not included, to this jack for private listening without disturbing others.

The main speakers are automatically shut off when headphones are connected to the **PHONES** jack. Make sure that the plug from your headphones is fully inserted into the headphone jack. If the plug is not fully inserted the sound may be intermittent, or you may only hear sound from one side of the headphones.



To prevent hearing damage always set the volume control to a low level before you connect the headphones. Then connect the headphones, put them on, and very gradually increase the volume to a comfortable listening level. Remember that CDs may contain both very soft and very loud passages. Adjust the volume to a comfortable level using a louder passage, so that you always know what the maximum level will be.

TECHNICAL SPECIFICATIONS

1. General

Power requirements	230V~240V AC, 50 Hz
Power consumption	230W (operation) 4W (standby)
Dimensions of main unit	169 (W) x 236 (H) x 335 (D) mm
Weight of main unit	5.12 Kg

2. Amplifier section

Power Output	50 Watt x 2
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3. Tuner

FM Tuning range	87.5 MHz to 108 MHz (100 KHz Step)
MW Tuning range	522 KHz to 1620 KHz (9 KHz Step)
Preset memory stations	FM 40 / MW 40

4. DVD player section

Laser	Semiconductor
Signal- to-noise ratio	60 dB (1 KHz, 0 dB)
Harmonic distortion	0.5% (1 KHz, 0 dB)
Wow and flutter	Immeasurable
Supported Discs	CD, CD-R, CD-RW DVD, DVD-R, DVD+R, DVD-RW, DVD+RW VCD, SVCD
Supported Audio Formats	PCM MP3/WMA Dolby Digital
Supported Video Formats	MPEG1, 2, 4, DVD, Windows Media Video

5. Card/USB Section

Flash memory card support	SD/MMC/Memory Stick up to 2GB
USB Support	Flash Storage Device up to 2GB

6. Video Output

Color System/Lines	NTSC / PAL interlaced and Progressive scan (480p/576p)
Progressive scan (480p/576p)	1.0Vp-p (75 Ω load)
Composite Video Output	Y:1.0Vp-p (75 Ω load)
Component Video Output	Cr/Pr:0.7Vp-p (75 Ω load) Cb/Pb:0.7Vp-p (75 Ω load) Brightness signal:1.0Vp-p (75 Ω load) Chrominance : 0.286Vp-p (75 Ω load) Brightness signal:1.0Vp-p (75 Ω load) Chrominance: 0.286Vp-p (75 Ω load)
S-Video Output	

7. Audio Output

Line Output Audio L/R	500mv RMS
Optical digital output	Dolby Digital bitstream
Subwoofer Output	1V RMS (47k Ω) at 100Hz

8. Speaker system

Speakers	2 Way full range +1 subwoofer +2 tweeter
Impedance	4 ohms

Warranty

Please keep your receipt as proof of purchase. This product is warranted for any defect in materials or workmanship for one year after the original date of purchase. This product is for normal domestic and office use only. This warranty does not cover damage from misuse or neglect, accidental damage, vermin infestation, excessive voltages such as lightning or power surges or any alternation that affects the performance or reliability of the product.

In the unlikely event that your product fails to work normally, please contact the **Grundig Helpline 1800 509 394 (Australia) or 0800 450 259 (New Zealand)** and have your receipt of purchase on hand.

This guarantee is subject to the following provisions:

- It is only valid within boundaries of the country of purchase;
- The product must be correctly assembled and operated in accordance with the instructions contained in the manual;
- This product must be used solely for domestic purposes;
- The guarantee does not cover accidental damage;
- The guarantee will be rendered invalid if the product is resold or has been damaged by inexpert repair;
- The manufacturer disclaims any liability for incidental or consequential damaged.

This guarantee is in addition to, and does not diminish, your statutory or legal rights.

PO BOX 6287
Silverwater NSW 1811

www.grundig.net.au

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