

DVD MICRO SYSTEM

The Gold Technical Support Line:1902 215 259
Personal Product Support
(Charges will apply at \$2.95 per minute)

DMS600B

GERMIG

Introduction

Thank you for buying this DVD Micro System, 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 familiarize 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" on page 4 **before** you operate this unit.

Copyright warning notice

Please be aware that copyright laws may apply to the music/material you are intending to record.

The copying and distribution of music files without the permission of the owner is against copyright laws. Infringement of these laws may result in prosecution. If in doubt, seek advice before making your recording.

Australia.

Grundig Warranty: 1800 509 394

New Zealand

Grundig Warranty: 0800 450 259

Safety Instructions

Safety considerations

- Position the power lead and other connected leads, so that they are not likely to be walked on, pinched or where items can be placed on or against them.
- Do not use this appliance in humid or damp conditions. Do not place water filled items such as a vase on top of the appliance.
- Ensure that naked flame sources, such as candles are not placed on top of the appliance.

Cleaning

- Ensure that the appliance is disconnected from the mains supply before it is cleaned.
- Do not use any liquids or aerosol cleaners, as this may damage the unit.
- The appliance should be cleaned with a soft, dry cloth.

Ventilation

- Do not cover any of the ventilation slots on the unit, as this may cause the appliance to overheat.
- Never allow children to insert foreign objects into holes or slots on the appliance.

Battery disposal

- Please ensure that used batteries are disposed of safely

Power source Electrical information

This appliance must only be connected to a 230V-240V AC, 50Hz mains supply.

Electrical information

Make sure that the voltage of your electricity supply is the same as that indicated on the rating plate located on the rear of these units.



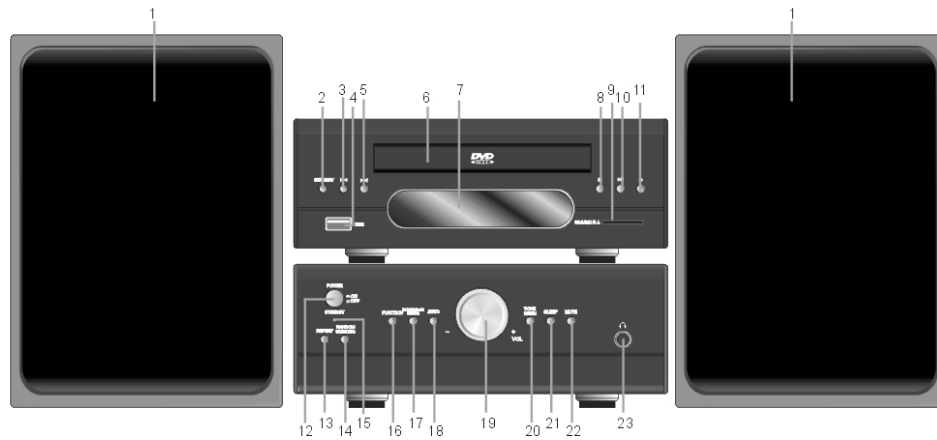
This symbol means this unit is Class II insulated. An earth connection is not required.

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Location of controls

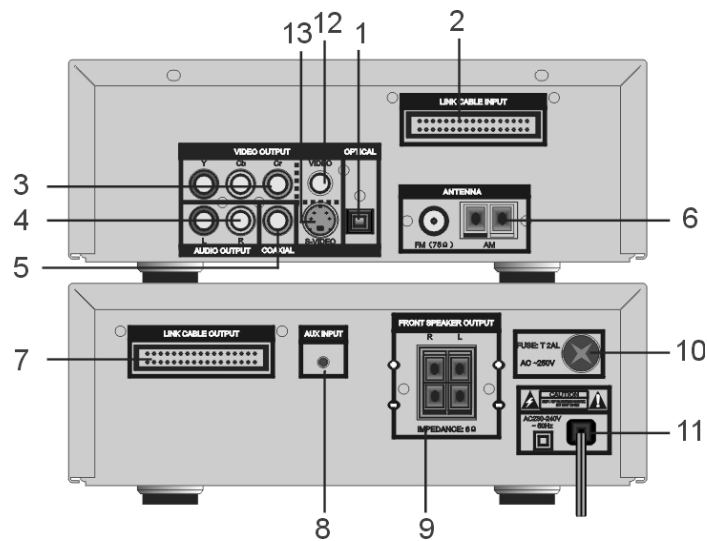
Front



- | | |
|-------------------------------|--------------------------------|
| 1. Speaker | 12. Power switch button |
| 2. Standby button | 13. Repeat button |
| 3. Previous / Tuning - button | 14. Random / ST/MONO button |
| 4. USB socket | 15. Standby LED |
| 5. Next / Tuning + button | 16. Function button |
| 6. DVD drawer | 17. DVD/USB-SD, AM/FM button |
| 7. LCD display | 18. Auto button |
| 8. Stop button | 19. Volume control |
| 9. SD socket | 20. Tone menu selection button |
| 10. Play/Pause button | 21. Sleep button |
| 11. Open/Close button | 22. Mute button |
| | 23. Headphone socket |

Location of controls

Rear

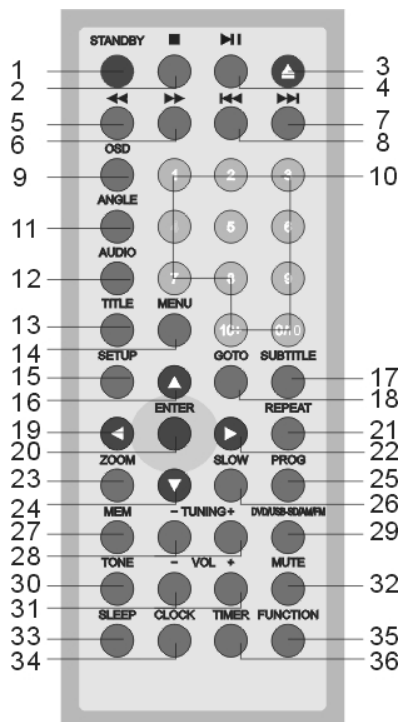


1. Digital Optical Output
2. Socket to Connect to Control Amplifier Compartment
3. Cr, Y, Cb Video Output
4. Audio Output (Left and Right)
5. Digital Coaxial Output
6. FM and AM aerial terminal
7. Socket to Connect to DVD Player
8. Auxiliary Input (Left and Right)
9. Speaker Connectors
10. Fuse Socket
11. Mains Cable
12. Composite Video Output
13. S-Video Output

Location of controls

Remote Control

1. STANDBY BUTTON
2. STOP BUTTON
3. OPEN/CLOSE BUTTON
4. PLAY/PAUSE BUTTON
5. SEARCH BACKWARD BUTTON
6. SEARCH FORWARD BUTTON
7. NEXT BUTTON
8. PREVIOUS BUTTON
9. OSD BUTTON
10. NUMERICAL BUTTONS
11. ANGLE BUTTON
12. AUDIO BUTTON
13. TITLE BUTTON
14. MENU BUTTON
15. SETUP BUTTON
16. UP BUTTON
17. SUBTITLE BUTTON
18. GOTO BUTTON
19. LEFT BUTTON
20. ENTER BUTTON
21. REPEAT BUTTON
22. RIGHT BUTTON
23. ZOOM BUTTON
24. DOWN BUTTON
25. PROG BUTTON
26. SLOW BUTTON
27. MEM BUTTON
28. TUNING -/+ BUTTON
29. DVD/USB-SD, AM/FM BUTTON
30. TONE BUTTON
31. VOLUME -/+ BUTTON
32. MUTE BUTTON
33. SLEEP BUTTON
34. CLOCK BUTTON
35. FUNCTION BUTTON
36. TIMER BUTTON



Getting Started

Remove your Ministry of Sound DMS600B carefully from the box. You may wish to store the packaging for future use.

Read these instructions before use.

In the box

you should have-

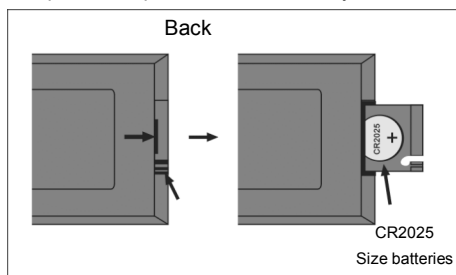
- DVD/CD Player
- Remote control
- RCA cable x 1
- AUX cable x 1
- AM Aerial x 1
- FM Aerial x 1
- Speaker connection wires x 2
- Instruction manual
- Speakers x 2

If any items are missing call the Helpline on 1800 509 394 (Australia) or 0800 450 259 (New Zealand)

Installing the remote control batteries

Locate the remote control, and press the battery door. Tow direction at the same time (Refer to the below diagram.)

Insert a CR2025 size battery into the compartment, press back the battery door.



Note: Refer to the diagram inside the battery compartment for correct installation of batteries.

Using the Remote Control

To use the remote control, point it at the front of the unit, towards the sensor situated to the left of the display.

- Make sure that there are no obstacles between the remote and the remote sensor on the unit.
- The remote has a range of about 7m
- Remote operation may become unreliable if strong sunlight or fluorescent light is shining on the unit's remote sensor.

Switching on

To switch your DVD system on:

Press the **POWER ON/OFF** button on the front of the unit of the unit to ON position. The standby indicator will light. Press the **STANDBY** button on the front of the unit or the remote control. The standby indicator will go off.

To switch your DVD system off:

Press the **STANDBY** button, the standby indicator will light.

When not in use, press the **POWER ON/OFF** button to the OFF position and unplug your DVD system from the mains supply.

Screen Saver

The DVD player is equipped with an automatic screen saver to protect your television screen. Pressing any button will deactivate the screen saver.



Connections

Connections to TV

Before making/removing any connections ensure that you have unplugged the unit from the mains supply.

CONNECTIONS TO TV

This DVD MICRO system has Y Cr Cb (component), Video (composite) and S-Video outputs to allow connection to televisions. When using these connections the audio outputs (left & right) must also be connected to the television's audio inputs otherwise no sound will be heard from the television.

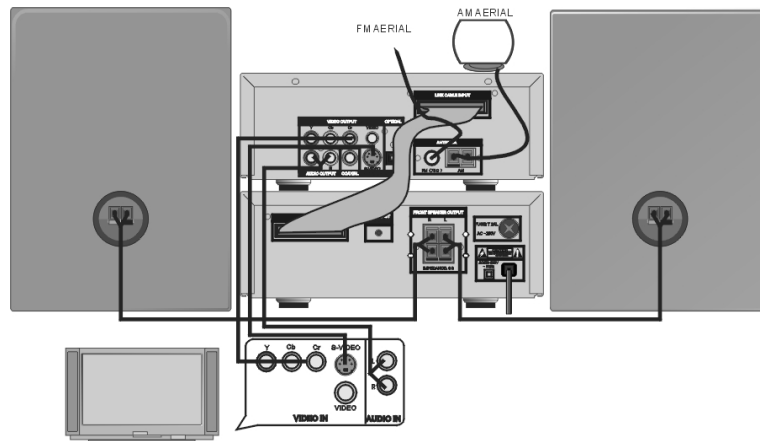
Aerial Connections

FM Aerial

Connect the plug on the supplied FM pigtail aerial to the centre pin of the 75-ohm socket on the rear of the unit. If reception is poor, use a 75 ohm coaxial cable (not supplied) to connect the system to an outdoor FM aerial.

AM Aerial

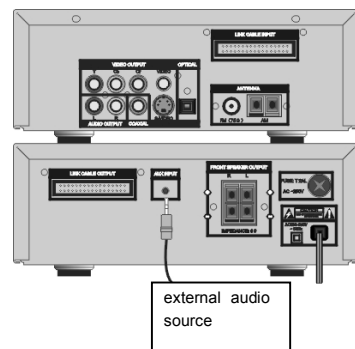
Connect the AM loop aerial to two AM aerial terminals on the rear of the unit.



Connections

Connecting to External Audio Source

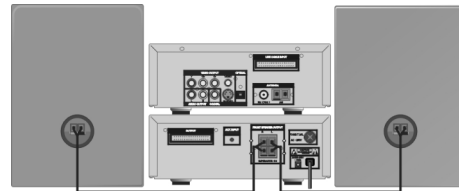
Connect an external audio source using the AUX cable connect one of 3.5mm plug to external audio source, connect the other 3.5mm plug to the Audio input sockets on the front of the unit.



Speaker Connections

When connecting the speakers please ensure that the positive terminal on the speaker is connected to the positive terminal on the unit and the negative terminal on the speaker is connected to the negative terminal on the unit.

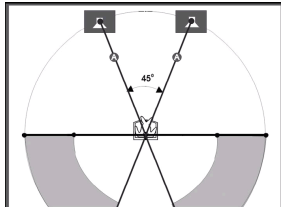
Please use the following diagram to help connect up the speakers.



Setting up the Speakers

Positioning

For the best possible sound both of the speakers should be the same distance from the listening position **(A)**.



The speakers can be placed from 1.0 to 15.0 metres **(A)** from the listening position.

Master volume

To adjust output level of the speaker channels use the **VOL +/-** buttons on the remote or the volume control knob on the main unit.

Headphones

Insert your headphones into the headphones socket on the front of the unit.

Setting the clock

The internal clock operates in 24-hour mode.

The clock can be set when the system is powered on or when in standby mode.

To set the clock

1. Press and hold the CLOCK button on the remote control until the LCD display briefly shows 'Clock Set' with the hour digits flashing.
2. Whilst the hour digits are flashing press the ►► or ◄◄ buttons to set the hour.
3. To set minutes press the CLOCK button again, now press the ►► or ◄◄ buttons to set the minute. After a brief time the LCD display returns to the previously selected mode.

Note: The clock time settings will be lost when the system is switched off with the POWER ON/OFF switch, or when the mains plug is removed.

Setting the sleep function

The Sleep function when set will automatically switch your system off after a preset time.

A range of sleep preset times are available from 90 minutes down to 10 minutes in 10 minute intervals.

To set the preset times

1. Repeatedly press the SLEEP button on the remote control or on the unit to cycle through the range:
90>80>70>60>50>40>30>20>10 minutes, the LCD display then returns to the previously selected mode.

For example to set a sleep preset time for 40 minutes:

1. Press the SLEEP button six times, the LCD display briefly shows 'Sleep Time' and '40 minutes'. The system will now automatically turn off after 40 minutes.

To view the set sleep time remaining

1. Press the SLEEP button once, the LCD display shows the time remaining.

To cancel the sleep function

1. Repeatedly press the SLEEP button until the SLEEP indicator disappears from the display.

Setting the timer

Setting the timer function

The timer, when set, will automatically switch your System 'on' from standby then and 'off' at pre-selected times.

The timer function can be set when the system is power on or when in standby mode.

Before setting the timer make sure the clock is set to the correct time of day.

Tune in to a radio station or place a CD in the system. When the system is switched on by the timer the radio or CD will then play according to the last mode when the unit is powered off.

To set the timer on and off times

1. Press and hold the TIMER button on the remote control until the LCD display briefly shows either a previously set timer setting or 'Timer On Set 0:00' with the hour digits flashing.
2. To set the timer 'on' time, whilst the hour digits are flashing press the ►► or ◄◄ buttons to set the hour.
3. To set minutes press the TIMER button again, now press the ►► or ◄◄ buttons to set the minute.
4. To set the 'off' time press the TIMER button again, the LCD display will show 'Set Off Timer' with the hour digits flashing. Follow the same procedure in steps 2 and 3 above to set the timer 'off' time. After a brief time the LCD display returns to the previously selected mode.
5. To activate the timer so that your Radio System will switch on at the set time, press the STANDBY button to put the unit in to standby mode.

To check your timer setting

1. Press and hold the TIMER button until the LCD display shows 'Timer On Set'.
2. To show your previously set times repeatedly press the TIMER button to skip through your 'on' and 'off' times.

To disable a timer setting

1. Press the TIMER button briefly until the LCD display shows 'Timer Function Disabled'.

After a brief time the LCD display returns to the previously selected mode, the timer is now disabled.

To enable a timer setting

1. Press the TIMER button briefly until the LCD display shows 'Timer Function Enabled'.

After a brief time the LCD display returns to the previously selected mode, the timer is now enabled.

Compatible discs & region codes

Compatible discs

Your DVD player can play discs that are marked with the following logos:



8cm/12cm DVD Video Discs.



12cm Compact Disc Recordable Discs.



12cm Compact Disc Re-Writable Discs.



8cm/12cm Compact Disc Audio Discs.



12cm Photo Compact Discs.

Region code

All DVD-Video discs carry a region mark on the case somewhere that indicates which region(s) of the world the disc is compatible with. You're DVD player also has a region mark 4, which you can find on the rear panel. Discs from other regions will not play in this player. Discs marked **ALL** will play in any player.

The region code for this player is region 4 (refer to the symbols below).



DVD Features

DVD discs offer many advantages over VHS tapes and VCD video discs, which include:

Parental control

Discs with parental control can be restricted so that discs that are only suitable for the viewers can be viewed.

Please note: DVD discs must have parental ratings recorded onto the disc for this to work.

Multi-language support

DVD discs may have recorded on them up to:

- 8 different audio languages
- 8 different subtitle languages
- 6 different OSD (on screen display) languages

Multiple angles for the same scene

Some DVD discs are recorded with scenes that are recorded from multiple angles. On these discs the user can press a button to cycle through the available angles.

Please note: This is disc dependant, not all DVD discs utilise this feature.

Glossary of disc terms

Title (DVD)

The longest sections of a picture or a music piece on a DVD. For example on a movie DVD, the main feature movie would be one title. Each title recorded onto a disc is given a number to allow easy access. Often titles are divided into chapters (See below).

Chapter (DVD)

A chapter is normally a section of a title. For example, on a movie DVD the main feature may be recorded as a TITLE and this title may be split into several smaller sections called CHAPTERS to allow easy navigation to a particular point of a movie. On some DVD discs there may be no chapters recorded.

Track (Video or audio CD)

Video or audio CDs are split into individual sections each called a track. Each track is given a number, which allows easy access to a specific track.

Basic Playback

The basic playback controls for playing DVD, CD's are covered here. Further functions are detailed later.

Switching on

If the player isn't already on, press the **POWER ON/OFF** switch on the front of the unit to ON position then press the **STANDBY** button to switch it on. If you're playing a DVD, also turn on your TV and make sure the correct channel is selected.

Note: For instructions on connecting your DVD player to your television, see "Connections" on page 10.

Selecting an input source

To select an input source, press the **FUNCTION** button on the front of the unit or on the remote control repeatedly until the DVD displayed on the display.

Loading a disc

Press **OPEN/CLOSE** to open the disc tray.
Load a disc.

Note: Load a disc with the label side facing up, using the disc tray guide to align the disc (if you're loading a double-sided DVD disc, load it with the side you want to play face down).

Press play

Press **PLAY** to start playback.
If you're playing a DVD, a menu may appear. See DVD-disc menus on the following page for more on how to navigate these. If you loaded a CD/CD-R/RW containing JPEGs, a slideshow will start.

DVD-disc menus

Many DVD-Video discs contain menus from which you can select what you want to watch. They may give access to additional features, such as subtitle and audio language selection, or even special features such as slideshows. See the disc packaging for details.
Most DVD-Video menus are displayed automatically when you start playback.

To navigate the menus

DIRECTIONAL BUTTONS Move the cursor around the screen.

ENTER Selects the current menu option.

Setup Menu

To enter the setup menu press the SETUP button on the remote control. To access each submenu one of the icons along the top of the setup menu must be selected. The below diagram shows which icon represents which menu.

SYSTEM SETUP

TV system

SYSTEM SETUP	
TV SYSTEM	NTSC
AUTO PLAY	PAL60
VIDEO	PAL
TV TYPE	AUTO
PASSWORD	
RATING	
DEFAULT	
EXIT SETUP	

- Select **PAL** if the player is connected to a PAL TV (PAL TV are the standard in Australia).
- Select **AUTO** if connected to a MULTI SYSTEM TV.
- Select **NTSC** if the player is connected to an NTSC TV.

DEFAULT: **PAL**

Video output

SYSTEM SETUP	
TV SYSTEM	S-VIDEO
AUTO PLAY	YUV
VIDEO	YPBPR
TV TYPE	
PASSWORD	
RATING	
DEFAULT	
EXIT SETUP	

- Select **S-VIDEO** if the DVD player is connected to the TV using an S-Video cable.

- Select **YUV (Cr Y Cb)** if the DVD player is connected to the TV using component cables.
- When connecting using a composite cable, any of the above selections can be used.

DEFAULT: **S-VIDEO**

TV type

SYSTEM SETUP	
TV SYSTEM	4:3PS
AUTO PLAY	4:3LB
VIDEO	16:9
TV TYPE	
PASSWORD	
RATING	
DEFAULT	
EXIT SETUP	

- Select **4:3PS (Pan and Scan)** if the player is connected to a 4:3 (normal) TV. The movie will fill the entire screen of the TV, however the left and right edges of the picture may not be seen.
- Select **4:3LB (Letterbox)** if the player is connected to a 4:3 (normal) TV. The movie will be displayed in it's original aspect (height to width) ratio, however black bars may appear above and below the picture.
- Select **16:9** if the player is connected to a 16:9 (widescreen) TV. If this option is selected when viewing on a 4:3 (normal) TV, black lines may appear to the left and right of the screen.

NOTE: The image shown is related to the recorded disc format. Some discs may not play using the TV TYPE selected.

DEFAULT: **16:9**

Setup Menu

Password

SYSTEM SETUP

TV SYSTEM

AUTO PLAY

VIDEO

TV TYPE

PASSWORD

RATING

DEFAULT

EXIT SETUP

The password option is used in conjunction with the rating option, so that when the player is locked it will only play discs with a lower rating than the one set.

First the old password must be entered (initial password: 0000) then press **ENTER**.

The player will then be unlocked.

To lock the player again, enter a new password.

Please ensure that it is a memorable password as once the player is locked only the password you have chosen will unlock it.

DEFAULT: 0000

Default

SYSTEM SETUP

TV SYSTEM

AUTO PLAY

VIDEO

TV TYPE

PASSWORD

RATING

DEFAULT

EXIT SETUP

RESTORE

Press **ENTER** when this option is selected to restore the player to its factory default settings. *Please note this will not reset the password.*

Rating

SYSTEM SETUP

TV SYSTEM

AUTO PLAY

VIDEO

TV TYPE

PASSWORD

RATING

DEFAULT

EXIT SETUP

1 G

2

3 PG

4 PG13

5

6 R

7 NC-17

8

As described above in the password option, the player can be set so that it will only play discs with a rating equal or lower than the one set.

Please note: If there is no rating set on the DVD the player will play the disc no matter what value this option is set to.

DEFAULT: 8

Setup Menu

LANGUAGE SETUP

OSD language

LANGUAGE SETUP	
OSD LANGUAGE	ENGLISH
AUDIO LANG	GERMAN
SUBTITLE LANG	SPANISH
MENU LANG	FRENCH
EXIT SETUP	ITALIAN

This option sets the language that is used for the OSD (on screen display).

DEFAULT: **ENGLISH**

Audio language

LANGUAGE SETUP	
OSD LANGUAGE	CHINESE
AUDIO LANG	ENGLISH
SUBTITLE LANG	JAPAN
MENU LANG	FRENCH
EXIT SETUP	SPANISH
	PORTUGUESE
	ITALIAN
	GERMAN

This option sets the preferred language for the audio when a DVD is played. If this language is not recorded on the DVD then the default language for the DVD will be used.

DEFAULT: **ENGLISH**

Subtitle language

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

This option sets the preferred language to be used for the subtitles or sets the preferred option to off.

When set to off no subtitle will be displayed unless they are part of the film and cannot be turned off. If a language is chosen then this subtitle language will be shown as default if the subtitles are recorded on the disc.

DEFAULT: **OFF**

Menu language

LANGUAGE SETUP	
OSD LANGUAGE	CHINESE
AUDIO LANG	ENGLISH
SUBTITLE LANG	JAPAN
MENU LANG	FRENCH
EXIT SETUP	SPANISH
	PORTUGUESE
	ITALIAN
	GERMAN

This option sets the preferred language for the DVD menu screens. If the selected language is not recorded on the disc then the default language recorded on the disc will be used.

DEFAULT: **ENGLISH**

Setup Menu

AUDIO SETUP

Audio out

AUDIO SETUP	
AUDIO OUT	SPDIF/OFF
EXIT SETUP	SPDIF/RAW
	SPDIF/PCM

■ If **SPDIF Off** is selected there will be no output from the digital coaxial and optical outputs.

■ If **SPDIF / RAW** is selected the output from the digital coaxial and optical outputs will be of RAW format. This option is usually selected when connecting to an external Dolby Digital 5.1 amplifiers. (please see amplifiers instruction manual for details).

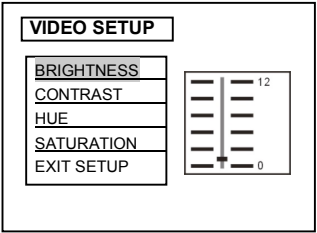
■ If **SPDIF / PCM** is selected the output from the digital coaxial and optical outputs will be of PCM format. This option is usually selected when connecting to an external two-channel amplifier. (please see amplifiers instruction manual for details)

DEFAULT: **SPDIF OFF**

Setup Menu

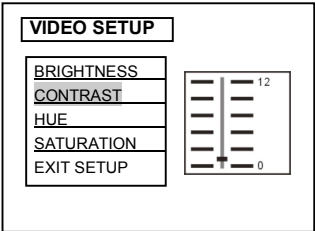
VIDEO SETUP

Brightness



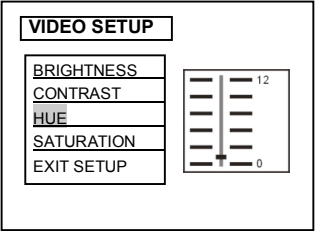
When highlighted use the **UP/DOWN** directional keys to adjust the brightness of the video output.
DEFAULT: **6**

Contrast



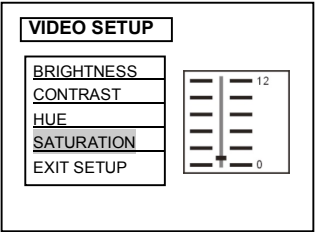
When highlighted use the **UP/DOWN** directional keys to adjust the contrast of the video output.
DEFAULT: **6**

Hue



When highlighted use the **UP/DOWN** directional keys to adjust the hue of the video output.
DEFAULT: **0**

Saturation



When highlighted use the **UP/DOWN** directional keys to adjust the saturation of the video output.
DEFAULT: **0**

Setup Menu

SPEAKER SETUP

Downmix mode

SPEAKER SETUP	
DOWNMIX	LT/RT
EXIT SETUP	STEREO
	VSS

The downmix specifies what sounds are heard from which speakers as follows:

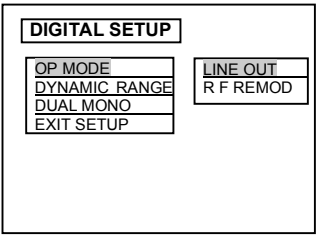
- **LT/RT**: Choose this setting if the disc is recorded using the Dolby pro logic audio format.
- **STEREO**: Two channels of audio will be heard.

If a 5.1 channel disc is used, only the sound from the front left and right channels will be heard.

DEFAULT: **LT/RT**

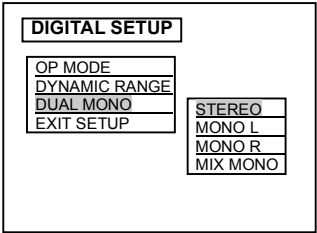
Setup Menu

DIGITAL SETUP OP mode



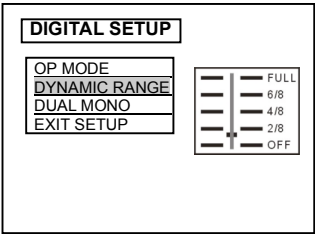
This option sets the **Digital** output mode. Select between **LINE OUT** and **R F REMOD**.
DEFAULT: **LINE OUT**

Dual mono



This option sets the **L** and **R** mono output mode. Select between **STEREO**, **MONO L**, **MONO R** and **MIX MONO**.
DEFAULT: **STEREO**

Dynamic range



Dynamic Range Control is used to suppress loud sounds and enhance quiet sound for using the player at night. There are 8 steps between full compression and no compression.
DEFAULT: **OFF**

DVD Player Operation

Before using the DVD player please ensure that the TV connected to the player is turned on and the AV channel is selected.

Please note all instructions below refer to buttons on the remote control unless stated otherwise. Many buttons on the remote have the same function as those on the front of the unit, if the function name is the same then it will perform the same function.

If a hand symbol is shown in the top left of the screen this indicates that the requested action is not possible

Insert a DVD disc

- Press the **OPEN/CLOSE** button to open the DVD disc tray.
- Place a disc onto the tray and press the **OPEN/CLOSE** button to close the tray. After the DVD disc tray has closed "**READ**" will be shown on the top left of the screen.

If the inserted disc is of a recognised format playback will commence automatically. If the disc is not recognised or no disc is inserted "**NO DISC**" will be shown in the top left corner of the TV.

Play

- Press the **PLAY/PAUSE** button to begin playback of the disc when the disc is stopped.

Pre-stop/Stop

- Press the **STOP** button on the remote or the front of the unit once to enter pre-stop mode.
 - In this mode if the **PLAY/PAUSE** button is pressed, playback will resume from the point at which the **STOP** button was pressed.
- "**PER STOP**" will be shown in the top left corner of the TV screen for few second.

To completely stop the DVD.

- Press the **STOP** button when in the **PRESTOP** mode. The stop symbol will be

shown on the TV screen. If the **PLAY/PAUSE** is pressed now playback will commence from the beginning of the disc.

Pause

Press the **PAUSE** button to pause playback.

When playback is paused, the pause symbol will be shown on the TV screen. To resume playback press the **PAUSE** button.

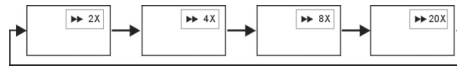
Previous/Next

Press the **NEXT** button during playback to skip to the next chapter.

Press the **PREVIOUS** button during playback to skip to previous chapters.

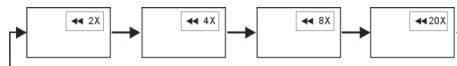
Search forwards/backwards

Press the **SEARCH FORWARD** button, repeatedly during playback to cycle through the different speeds (i.e. 2x normal speed, 4x normal speed etc.) for search forward as follows:



To resume normal playback press the **PLAY/PAUSE** button.

Press the **SEARCH BACKWARD** button, repeatedly during playback to cycle through the different speeds (i.e. 2x normal speed, 4x normal speed etc.) for search backwards as follows:



To resume normal playback press the **PLAY/PAUSE** button.

Display

Press the **OSD** button to show information about the disc currently playing on the TV screen.

DVD Player Functions

Repeat

Press the **REPEAT** button to cycle through the repeat modes as follows:

- Repeat Chapter: repeat the current playing chapter.
- Repeat Title: repeat the current title (i.e. repeat all chapters).
- Repeat OFF: repeat is turned off and disc will play as normal.

Title menu

Press the **TITLE** button to display the title menu of the DVD.

Please note the title menu varies between discs. Also not all DVD discs will have a title menu.

Root menu

Press the **MENU** button to display the root menu of the DVD.

Please note the Root menu varies between discs. Also not all DVD discs will have a root menu.

Menu navigation

Use the **DIRECTIONAL** buttons to navigate through the options available when a menu is displayed on the TV. After a selection has been highlighted using the **DIRECTIONAL** buttons press the **ENTER** button.

Audio language

Press the **AUDIO** button repeatedly to cycle through all of the available audio languages for the disc.

Please note: The audio languages available are entirely disc dependent. Some discs may have only one language recorded.

Subtitle language

Press the **SUBTITLE** button repeatedly to cycle through all of the available subtitle languages for the disc.

Please note: The subtitle languages available are entirely disc dependent. Some discs may not have any subtitles recorded onto them.

Angle selection

If multiple angles are recorded for one particular scene the **ANGLE MARK INDICATOR** will be shown on the screen. To cycle through the available angles press the **ANGLE** button repeatedly.

Please note this feature is entirely disc specific and will only be available if the disc has multiple angles recorded.

Programmed Playback

Press the **PROG** button. The programme entry screen will be shown on the TV screen. Enter the desired title using the **NUMERICAL** buttons. To enter a title higher than 9 use the +10 key. For example to enter 25 press the +10 twice and then the 5 button. Enter desired chapter using the **NUMERICAL** buttons using the same method.

To enter further titles and chapters use the **NUMERICAL** buttons using the same method.

To edit a programme use the **DIRECTIONAL** buttons to highlight the title of the chapter that is to be changed and then enter the title and chapter respectively as above.

To clear a programme use the **DIRECTIONAL** buttons to highlight "**CLEAR**" and then press **ENTER**. To begin playback of a programme use the **DIRECTIONAL** buttons to highlight "**PLAY**" and then press **ENTER**.

CD Player functions

Insert a CD disc

Presumed the **POWER ON/OFF** switch on the front of the unit is set to ON position. Press the **STANDBY** button on the front of the unit or the remote control.

- Press the **OPEN/CLOSE** button to open the DVD disc tray.
- Place a disc onto the tray and press the **OPEN/CLOSE** button to close the tray. After the DVD disc tray has closed "**READ DISC**" will be shown on the display. If the inserted disc is of a recognised format playback will commence automatically. If the disc is not recognised or no disc is inserted "**NO DISC**" will be shown on the display.

Play

Press the **PLAY/PAUSE** button to begin playback of the disc when the disc is stopped.

Pre-stop/Stop

- Press the **STOP** button on the remote or the front of the unit once to enter pre-stop mode.
 - In this mode if the **PLAY/PAUSE** button is pressed, playback will resume from the point at which the **STOP** button was pressed.
- "**STOP**" will shown on the display and "**PER STOP**" will be shown in the top left corner of the TV screen.

To completely stop the CD.

- Press the **STOP** button when in the **PRE-STOP** mode. "**STOP**" will shown on the display. If the **PLAY/PAUSE** is pressed now playback will commence from the beginning of the disc.

Pause

- Press the **PAUSE** button to pause playback. When playback is paused, "**PAUSE**" will shown on the display. To resume playback press the **PAUSE** button.

Previous/Next

Press **NEXT** button repeatedly during playback to skip to the next track.

Press **PERVIOUS** button repeatedly during playback to skip to previous tracks.

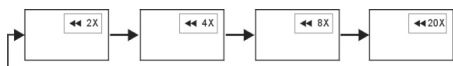
Search forwards/backwards

Press the **SEARCH FORWARD**, repeatedly during playback to cycle through the different speeds (i.e. 2x normal speed, 4x normal speed etc.) for search forward as follows:



To resume normal playback press the **PLAY/PAUSE** button.

Press the **SEARCH BACKWARD**-, repeatedly during playback to cycle through the different speeds (i.e. 2x normal speed, 4x normal speed etc.) for search backwards as follows:



To resume normal playback press the **PLAY/PAUSE** button.

CD Player functions

Repeat playback

Press the **REPEAT** button to cycle through the following modes:

- Repeat 1: repeat the current track.
- Repeat All: repeat all tracks.

Note: Skip track is not allowed when repeat 1 is set.

Random playback

Press the **RANDOM** button on the front of the unit to turn random playback ON or OFF.

Note: When Random has set to ON, repeat will be turned off.

Programmed Playback

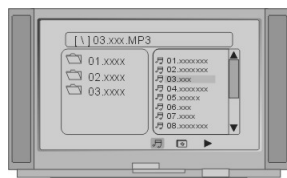
Press the **PROG** button. The programme entry screen will be shown on the TV screen. Enter the first track using the **NUMERICAL** buttons. To enter a track higher than 9 use the +10 key. For example to enter 25 press the +10 twice and then the 5 button. To enter further tracks use the **NUMERICAL** buttons using the same method. To edit a programme use the **DIRECTIONAL** buttons to highlight the track that is to be changed then enter the track as above. To clear a programme use the **DIRECTIONAL** buttons to highlight "**CLEAR**" and then press **ENTER**. To begin playback of a programme use the **DIRECTIONAL** buttons to highlight "**PLAY**" and then press **ENTER**.

MP3/JPEG CD Functions

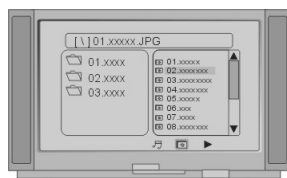
Introduction to MP3/JPEG

Playback

This system will play MP3 or JPEG files that are recorded onto a blank CD. After inserting the disc the system will search for JPEG files to play. After searching it will play the JPEG files in the first directory on the disc. The following will be shown on the screen:



MP3 Disc



JPG Disc

Note: Please note that many functions on this DVD player utilize the On Screen Display (OSD). As such we recommend that when playing MP3 or WMA files (or discs with multiple folders) the unit is connected to a TV set. Switch on the TV set when playing these files in order to see the OSD menus.

File selection

Use the **UP/DOWN DIRECTIONAL** buttons to select the required directory (the left hand pane). Press the **ENTER** button to display the files in the directory and playback will commence with the first file in that directory. Use the **UP/DOWN DIRECTIONAL** buttons to select a different file to play. In the files list (right hand pane) each file is given a number. The numerical buttons can be used to select these files directly. Use the **LEFT/RIGHT DIRECTIONAL** button to select between folders list and files list.

Pre-stop/Stop

- Press the **STOP** button when in the **PRE-STOP** mode. "**PER STOP**" will be shown in the top left corner of the TV screen. If the **PLAY/PAUSE** is pressed now playback will commence from the beginning of the disc.
- Press the **STOP** button when in the **PRE-STOP** mode. "**STOP**" will shown in the top left corner of the TV screen. If the **PLAY/PAUSE** is pressed now playback will commence from the beginning of the disc.

Pause

Press the **PAUSE** button to pause playback. When playback is paused, the pause symbol will be shown on the TV screen. To resume playback press the **PAUSE** button.

Previous/Next

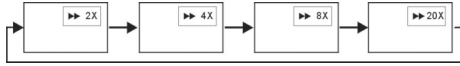
Press **NEXT** button repeatedly during playback to skip to the next file.

Press **PREVIOUS** button repeatedly during playback to skip to previous files.

MP3/JPEG CD Functions

Search Forwards/Backwards

Press the **SEARCH FORWARD** repeatedly during playback to cycle through the different speeds (i.e. 2x normal speed, 4x normal speed etc.) for search forward as follows:



To resume normal playback press the **PLAY/PAUSE** button.

Press the **SEARCH BACKWARD** repeatedly during playback to cycle through the different speeds (i.e. 2x normal speed, 4x normal speed etc.) for search backwards as follows:



To resume normal playback press the **PLAY/PAUSE** button.

Repeat playback

Press the **REPEAT** button to cycle through the following modes:

- Repeat 1: repeat the current track.
- Repeat All: repeat all tracks.

Note: Skip track is not allowed when repeat 1 is set.

Random playback

Press the **RANDOM** button on the front of the unit to turn random playback ON or OFF.

Note: When Random has set to ON, repeat will be turned off.

USB/SD/MMC Operation

This unit is equipped with a USB socket (suitable for the connection of MP3 players/USB memory sticks) and a memory card slot (suitable for SD and MMC type cards.)

Using the USB socket

Connect a suitable USB device to the USB socket located on the front of the unit.

Remove SD/MMC card from the unit if any.

Press the **FUNCTION** button on the front of the unit or on the remote control until DVD mode is selected. If a DVD/CD is present in the unit, press the DVD/USB-SD button to select USB/SD mode.

The files contained in the device (MP3 or WMA) will be read and begin playback automatically.

The functions available when using a USB device are exactly the same as when using a MP3 disc (see MP3/JPEG CD Functions on pages 28, 29 and 30).

Note: This unit has been designed where possible to be compatible with most makes of USB device. Due to the many varied types available, we cannot guarantee that all makes and models are able to be used.

Using a SD/MMC card

Carefully insert a suitable memory card (SD or MMC type) in to the memory card socket located on the front of the unit. Press the **FUNCTION** button on the front of the unit or on the remote control until DVD mode is selected. If a DVD/CD is present in the unit, press the DVD/USB-SD button to select USB/SD mode. The files contained in the memory card (MP3 or WMA) will be read and begin playback automatically. The functions available when using a memory card are exactly the same as when using a CD (see MP3/JPEG CD Functions on pages 28, 29 and 30).

Radio functions

Switching on

Presuming the **POWER ON/OFF** switch on the front of the unit is set to ON position. Press the **STANDBY** button on the front of the unit or the remote control.

Press the **FUNCTION** on the front of the unit or the remote control repeatedly until the display shows "Radio".

Band selection

To switch between AM and FM band press the **AM/FM** button on the remote control. Follow the instructions below for tuning into a station and storing the station into a preset.

Manual tuning

Briefly press the **TUNING +/-** buttons repeatedly to manually tune to the required station.

Automatic tuning

Press and hold the **TUNING +/-** buttons until the system starts to scan the frequencies. The tuning will automatically stop at the next receivable station. To locate the next station repeat the above operation.

Stereo/Mono

Press the **ST/MONO** button on the unit to switch between auto and mono reception (stereo reception is only available when the station is broadcasting in stereo on the FM band).

When in auto mode the **STEREO** indicator will be illuminated if listening to a station in stereo.

If when listening to a station in stereo, you find that the reception is noisy (large amount of hiss), press the **ST/MONO** button on the unit to switch to **MONO** listening to reduce the amount of noise.

Storing memory presets

e.g. to store 98.8 to memory preset 3

To store a station into a memory preset and hold the **MEM** button for 3 seconds.

The display will show CH-01 will blanking on the display. Use the numeric buttons to enter decided preset memory.

Recalling memory presets

Use numeric buttons to recall preset memory

Improving reception

FM: Ensure that the FM aerial is fully unwound and for best reception the aerial should be orientated vertically.

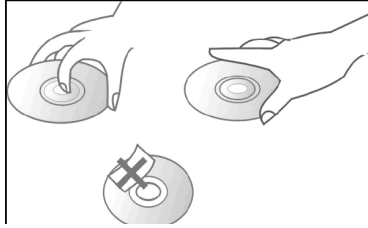
AM: To improve reception, rotate the **AM** aerial until the best reception is found.

Listening to an external source

To listen to an external source, connect the source as shown in page 11. Press the **FUNCTION** button on the front of the unit or on the remote control until AUX shown on the display.

Care and maintenance

Handling discs



To remove a disc from its storage case, press down on the centre of the case and lift the disc out



Hold the disc by the edges, to avoid touching the recorded side of the disc.

Fingerprints and dust should be carefully wiped from the disc's surface with a soft cloth.

Audio discs and DVD discs have no grooves to collect dust and microscopic debris so gently wiping with a soft cloth should remove most particles. Wipe in a straight line from the inside to the outside of the disc. Small dust particles and light stains should have no effect on reproduction quality.

Never use chemicals such as record sprays, antistatic sprays, benzene, or thinners to clean the discs. These chemicals can irreparably damage the disc's surface.

Discs should be returned to their cases after use. This avoids serious scratches that could cause the laser pickup to skip.

Do not expose discs to direct sunlight, high humidity, or high temperatures for extended periods. Exposure to high temperatures can warp the disc.

Do not stick paper or write anything with a ball point pen on the label side of the disc.

Troubleshooting

In case of any problem listed as below, try to settle it by referring to the following remedies. If the problem remains, contact the nearby maintenance department for repair.

Soundless:

- Make sure that the DVD player is connected well to other system such as the power amplifier or television.
- Ensure the normal operation of the television or power amplifier.
- Check if MUTE is pressed.

No picture:

- Make sure that the DVD player is connected well to other system.
- Ensure the normal operation of the television.

No play of disc:

- Make sure that the disc is put on the disc tray in the correct direction (side with label upward)
- Make sure that the disc is clean.
- Make sure that USB/SD/iPod was fit in the socket

Malfunction of remote controller:

- Move away the obstacle between the remote controller and the DVD player.
- Aim the remote controller at the remote receiver on DVD player.
- Check the battery.

Mosaic in picture:

- Check if the disc is worn out and clean it.
- Use a piece of soft cloth to clean the disc often in the way as radically from the disc center to the periphery.

Disc storage:

Do not bend the disc, and always put it into the disc case perpendicularly. Keep it away from high temperature, dampness or excessively low temperature. Avoid any damage to the disc. Do not put the disc inside the car or on the seat under direct sunshine.

Don't Operate

Since the unit incorporates a microcomputer, it may not operate correctly because of external noise, etc. If this happens, turn the power on/off switch OFF, then turn it ON again and restart operations. Conform the least time of 10 from turning the power OFF to ON.

Technical specifications

■ DVD SECTION

Power Supply	AC 230-240V ~ 50Hz
Front socket.....	USB2.0 and SD
Play type.....	DVD, MPEG2, MPEG1, VCD1.0, 1.1 and 2.0 (mini laser video compact disc)
	CD, CD-R, MP3 , JPEG,
Video format.....	MPEG2 for DVD, and MPEG1 for VCD
Audio format.....	AC-3, analogue stereo, virtual surround
Signal output:- video system.....	NTSC or PAL
Signal output:- Video.....	1.0Vp-p
Signal output:- Audio	mixed stereo 2 Vp-p
Frequency response.....	DVD: 20Hz - 20KHz $\pm$ 1dB
Signal noise ratio.....	$\geq$ 90dB, A weighted
Total harmonic distortion.....	0.003%.

■ TUNER SECTION

Frequency Range:-	
FM.....	87.50-108.00 MHz
AM	522-1620KHz
Sensitivity:-	
FM	< 20 μ V
AM	< 3mV/m

■ AV AMPLIFIER SECTION

Frequency response.....	20Hz-20KHz $\pm$ 1dB
Signal-noise-ratio.....	$\geq$ 85dB (A-weighted)
Harmonic distortion.....	0.1% (1KHz/6 Ω /5W)
Output power.....	25W+25W (6 OHM. THD10%)
Load impedance.....	6 Ω
Tone regulation:-	
Bass	100Hz $\pm$ 10dB
Treble	10KHz $\pm$ 10dB
Range of remote control.....	over 7 meter
Unit dimensions (mm):.....	220(W) $\times$ 260(D) $\times$ 76(H)mm

Note: we have a policy of continuous product development and reserve the right to change specification without prior notice

Guarantee

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 alteration that affects the performance or reliability of the product.

If the guarantee is required please contact the GRUNDIG Helpline 1800 509 394 within Australia or 0800 450 259 within New Zealand. Have you 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 this 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

Grundig Warranty: 1800 509 394 Australia

Grundig Warranty: 0800 450 259 New Zealand

PO BOX 6287
Silverwater NSW 1811

Grundig Warranty line:
1800 509 394 (Australia)
0800 450 259 (New Zealand)

Product Registration
www.grundig.net.au