

GRUNDIG

INSTRUCTION MANUAL

HIGH DEFINITION DIGITAL SET TOP BOX WITH INTEGRATED DVD PLAYER



GSTB3110DVD

Toll Free Warranty and Service: 1800 509 394

Gold Technical Support Line: 1902 215 259

(Charges will apply at \$2.95 per minute for Gold Technical Support Only)

Safety Instructions

- Always read the safety instructions carefully
- Keep this Instruction Manual for future reference
- Keep this device away from humidity
- Lay this device on a reliable flat surface before setting it up
- Do not stand it on soft furnishings
- If any of the following situation arises, get the Set Top Box checked by a service technician:
 - ✍ It has been exposed to moisture
 - ✍ It has been dropped and damaged
 - ✍ It has obvious sign of breakage
 - ✍ It has not been working well or you cannot get it to work according to the Instruction Manual

Warning

- To prevent the risk of electric shock, do not open the cover or the back of the receiver.
- Do not block the ventilation holes of the device. Leave appropriate gap above and around it to allow for adequate ventilation.
- Do not place the device in an unventilated cabinet or on top of a unit which emits heat.

Copyright Statement

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This product incorporates copy protection technology that is protected by U.S. patents and other intellectual property rights of Rovi Corporation. Reverse engineering and disassembly are prohibited.



This symbol indicates that this product incorporates double insulation between hazardous mains voltage and user accessible parts. When servicing use only identical replacement parts.

WARNING: To reduce the risk of fire or electric shock, do not expose this apparatus to rain or cords.

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 normally, please call the below Grundig warranty number for support.

Australia

Grundig Warranty: 1800 509 394

New Zealand

Grundig Warranty: 0800 450 259

About the High Definition Digital Set Top Box with Integrated DVD Player

This DVB-T TV Receiver allows you to access Free-to-Air Digital TV Channels and Radio Broadcasts on your TV set. Its digital reception covers VHF & UHF band. Digital TV eliminates noise and interference and offers high quality video and audio.

An easy to use on-screen installation guide is provided. In addition, a fully featured Remote Control is included that offers you access to every feature with a simple press of a button.

Main Features

- Compliant with Australian DVB-T Standards
- Bandwidth of 7/8MHz Supported
- COFDM Demodulator
- Receives All High Definition Digital Free to Air Channels
- Integrated DVD Player
- DVD Player Supports Multi Format Play Back (DVD/MP3/CD/CD-R/CD-RW/DVD +/-R/DVD +/-R,RW/ KODAK PICTURE CD and MPEG4 Picture Formats)
- On Screen 7 Day Program Guide with Now and Next Event Info
- HDMI Output (up to 1080i) for Perfect Picture Quality
- Composite Video Output
- Digital Audio via SPDIF Coaxial Output for Connection to a Surround Sound Amplifier
- Teletext (where applicable) with Subtitle Support for the Hard of Hearing
- Picture Zoom In/Out Whilst Watching a DVD
- Automatic/Manual Channel Search
- Multiple-Language OSD
- Supports Multi-Subtitle
- USB Input Supports JPEG Files, Music Files, Video Files
- Tuner RF In/Loop Through
- Parental Lock
- Remote Control

Package Contents

Before installation, please check the items of the package.

The package should contain the following items:

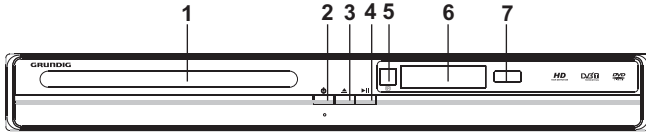
~ Set Top Box	x1 pc
~ Remote Control	x1 pc
~ AAA Battery for the Remote Control	x1 pair
~ Instruction Manual	x1 pc
~ Composite RCA Cable	x1 pc

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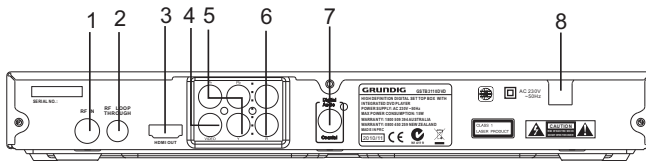
Front Panel and Rear Panel Illustration

Front panel



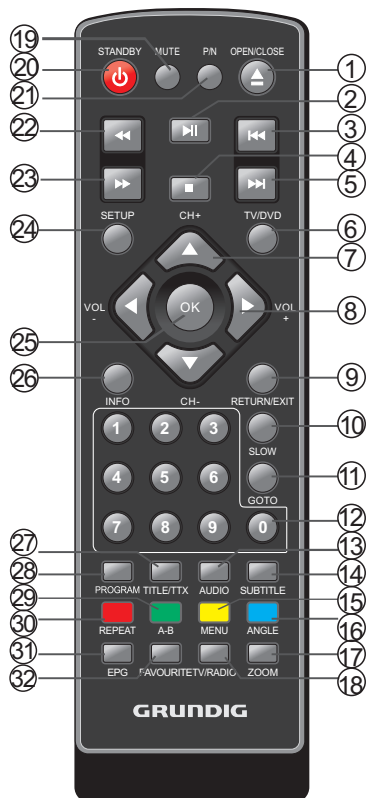
- 1 Disc Tray:** Once you press the Eject Button the Disc Tray will open and you can load your DVD.
- 2 POWER BUTTON:** Press the Power Button to turn the unit on or off.
- 3 EJECT BUTTON:** Used to open or close the disc tray in DVD mode.
- 4 PLAY/PAUSE BUTTON:** Used to playback or pause the program being viewed .
- 5 REMOTE CONTROL SENSOR:** Receives the Signal from the Remote Control.
- 6 LED Display:** The LED Display will display the channel you are watching.
- 7 USB Input:** USB Input Supports JPEG Files, Music Files, Video Files and Software Upgrade.

Rear panel



- 1 RF IN :** This socket connects to your external Aerial.
- 2 RF LOOP THROUGH:** This socket will bypass the RF signal to either your TV or another video system.
- 3 HDMI :** High definition audio and video output used to connect to a HDMI device
- 4 VIDEO:** This socket outputs composite video signal.
- 5 COMPONENT VIDEO OUT:** These sockets connect to your TV component input terminals.
- 6 AUDIO L/R:** This socket outputs Analog Audio L/R signal.
- 7 COAXIAL:** This socket connects to a Coaxial cable on your surround sound system.
- 8 MAINS CABLE:** This is used to connect to your main power supply.

Remote Control



1. OPEN/CLOSE: In DVD mode, press the OPEN/CLOSE Button to immediately eject or close the disc tray. NOTE: The OPEN/CLOSE Button has no effect in DVB mode.

2. PLAY/PAUSE: In DVD mode, press the PLAY/PAUSE Button to pause or play the DVD you are watching.

3. REV: In DVD mode, press the REV Button to rewind play of the DVD you are watching.

4. STOP: In DVD mode, press the Stop Button to during play of the DVD you are watching.

5. FWD: In DVD mode, press the FWD Button to Fast Forward play of the DVD you are watching.

6. TV/DVD: Press the TV/DVD Button to switch between DVD mode and Set Top Box mode.

7. CH+ /CH-: In the Set Top Box mode, press the CH+ /CH- to scroll through the channel list.

8. VOL+ /VOL-: Press the VOL+ /VOL- Button to increase or decrease the Volume Level.

9. RETURN/EXIT: In DVD mode, press the RETURN Button to return the main menu of the disc. In the DVB mode, press the RETURN Button to return to the previous channel viewed.

10. SLOW: Press the SLOW Button to select slow playback.

11. GOTO: During DVD playback, press the GOTO Button to show the current time counter position.

12. NUMBER KEYS: Press to select channel numbers or input numbers in menus.

13. AUDIO: Press to select the available audio languages or set the sound mode.

14. SUBTITLE: Press to switch among different subtitles that are broadcasted.

15. MENU/Yellow: Press the Menu Button select the Main Menu. In DVB mode press the Yellow Button to select options in the Teletext Menu.

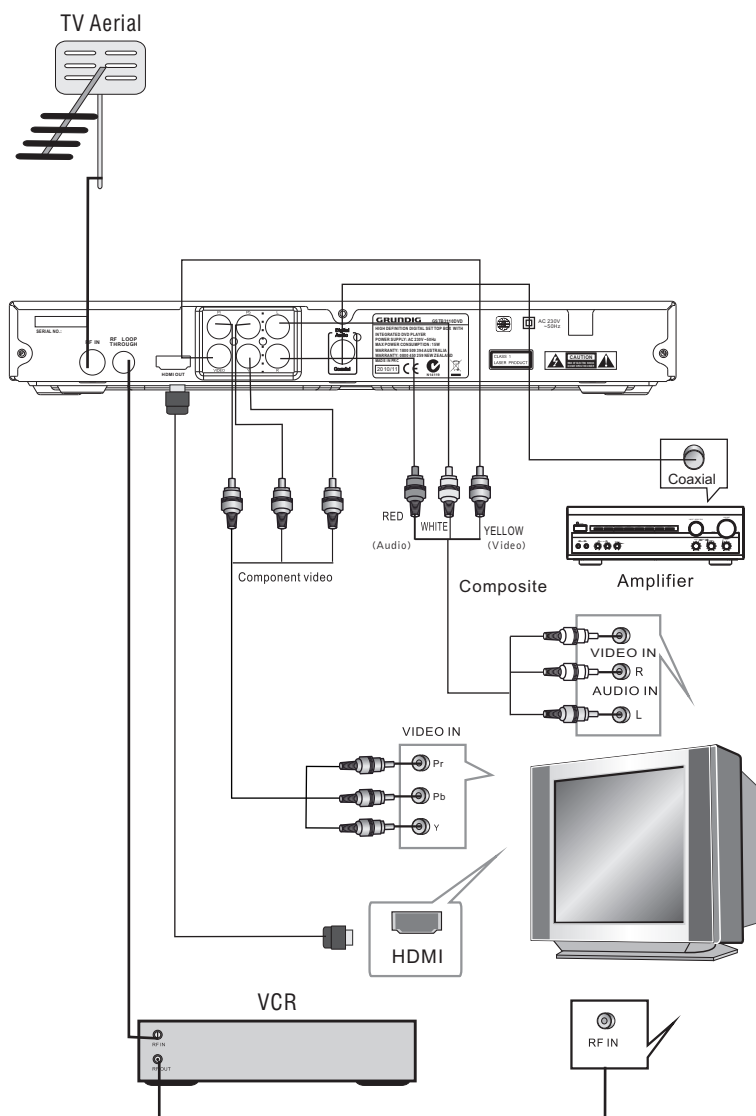
16. ANGLE/Blue: In DVD mode, press the ANGLE Button to switch the viewing angle for DVDs that support this feature. Press the Blue Button in Set Top Box mode to select options in the Teletext Menu.

17. ZOOM: Press the Zoom Button to Zoom In and out in DVD mode.

- 18. TV/RADIO:** Press the TV/Radio Button to switch between TV and Radio modes.
- 19. MUTE:** Press the Mute Button to turn the sound on or off.
- 20. STANDBY:** Press the Standby Button to switch the unit on and off.
- 21. P/N:** Press the P/N Button to switch between PAL and NTSC TV output formats.
- 22. PREV:** Press the PREV Button to skip to the previous chapter or track
- 23.NEXT:** Press the Next Button to skip to the next chapter or track.
- 24. SETUP:** Press the Setup Button to enter the Main Menu or press again to exit the setup menu.
- 25. OK:** Press the OK Button to confirm a selections within a menu or setting.
- 26. INFO:** Press the Info Button to display the information about the program you are watching.
- 27. TITLE/TTX:** Press the Title/TTX Button to open the Teletext Menu.
- 28. PROG:** In DVD mode, press the Program Button to display the Program options. In Set Top Box mode, press the Program Button to enter the Rec list Menu.
- 29. A-B/Green:** Press the A-B Button once to set the starting point for repeat segment in DVD mode. Press it again to set an end point, and the player will repeat the segment from the start to end point. Press it once more to turn off repeat segment. In Set Top Box mode the Green Button will select different functions in Teletext menu.
- 30. REPEAT/Red:** Press the Repeat Button to select the repeat mode. Press the Repeat Button multiple times to cycle between Title Repeat, Chapter Repeat, and Repeat Off. In Set Top Box mode the Red Button will select different functions in Teletext menu.
- 31. EPG:** Press the EPG Button to display the EPG menu.
- 32. FAVOURITE:** Press the Favourite Button to access your favourite channels.

Note:Some of the remote buttons have multiple functions, which can be used in DVD and Set Top Box Mode.

Connecting to a TV Set



Set Top Box Menu Set Up

First Time Installation

Once you have connected your Set Top Box to your TV correctly and the Mains Power is connected and switched on, you can now turn on your TV. Press the Power Button on your remote to turn on your Set Top Box. If you are using the receiver for the first time or have conducted a Factory Reset, the on-screen Installation Guide will be displayed and will assist you in setting up your Set Top Box.



When the on-screen Installation Guide begins you will be asked to confirm the following settings:

- (1) Confirm the OSD (On Screen Display) language. Use the navigation buttons to select your desired language.
- (2) Confirm your country of residence. Use the navigation buttons to select your desired country.
- (3) You will then select Channel Search, this will begin the Automatic Channel Search that will source and store all the available channels. Press the Right Arrow Button or the OK Button to select and begin the Automatic Channel Search. Once the Automatic Channel Search has been completed all channels will appear in the Channel List and you will be able to begin watching your favourite channels.

Basic Operation

Managing your Program Settings

To access the Program Menu, press the Setup Button to enter the Main Menu and then select the Program option. The Program Menu provides you with options to adjust the Program Settings. Select an option as shown below and press OK or Right to adjust the setting. Press the Exit Button to exit the Menu.

Program Edit

In the Program Menu you are able to select Program Edit. This will allow you to edit your program preferences; lock, skip, favourite, move or delete programs. To enter the Program Edit Menu you will need to enter either your set password or the default password '000000'.



Setting a Favourite Program

You can create a shortlist of favourite programs that you can easily access by pressing the Favourite Button.

To set a favourite TV or Radio program:

1. Select the preferred program from the channel list and then press the FAVOURITE Button on your remote. A heart shaped symbol will appear and the program will be marked as a favourite.
2. Repeat step 1 to select more Favourite programs.
3. To confirm and exit the Menu, press the EXIT key.

To disable a favourite TV or Radio Program:

Select the program again and then press the FAVOURITE button for a second time this will remove the heart shaped symbol and disable the favourite setting.

Viewing a Favourite Program

1. Press the Favourite Button and then Favourite Menu will appear.
2. Press the Up or Down Buttons to select your favourite program.
3. Press the OK Button to select and watch your favourite program.

Deleting a TV or Radio Program

You can delete TV or Radio Programs from the channel list, if you desire.

To delete a TV or Radio program:

1. Select the program you wish to delete and then press the BLUE Button. A message will appear, asking you to confirm if you wish to delete this program. Press the OK Button to confirm.
2. Repeat Step 1 delete more programs.
3. To confirm and exit the Menu, press the EXIT key.

Skipping a TV or Radio Program

You can set your Set Top Box to skip a TV or Radio program, if you desire.

To skip a TV or Radio program:

1. Select the program you would like to skip and press the Green Button. A skip symbol will be displayed and the program will be set to skip.
2. Repeat step 1 to set more programs to skip.
3. To confirm and exit the menu, press EXIT key.

Disable a skip TV or Radio program:

Select the program with a skip symbol and then press the Green Button again to disable the skip function and remove the skip symbol.

Move a TV or Radio Program

You can rearrange/move the programs in your channel list.

To move a program:

1. Select the preferred program and then press the Red Button and a move symbol will appear.
2. Press the Up or Down Buttons to move the program to your desired location.
3. Press the OK Button to confirm.
4. Repeat the above steps to move more channels

Lock Program

You can lock selected programs for restricted viewing.

To lock a TV or Radio Program:

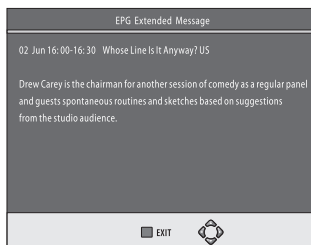
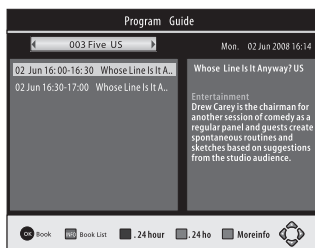
1. Select the preferred program then press the Yellow Button. A lock- shaped symbol will be displayed. The program is now marked as locked.
2. Repeat step 1 to lock more programs.
3. To confirm and exit the menu, press the Exit Button.
4. To view the locked program, you will be require to enter either the default password '000000' or your last set password. Once this is entered you will be able to watch the program.
5. To disable the lock function, press the YELLOW button. You will also need to enter your password in Program Edit Menu.

EPG (Electronic Program Guide)

The EPG is an on-screen TV guide that displays the scheduled programs for the next seven days for every tuned channel (when available from the broadcaster). Press the EPG Button on the Remote Control to access guide.

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Once you have pressed the EPG Button on the remote control, you can use the Up or Down Button to select the program you wish to view more information about.

In the EPG Menu, press the Red Button to view the previous day's (-24 hours) program list and press the Green Button to view the next day's (+24hours) program list. Press the Blue Button to get the detailed information of the selected program in full screen.

Setting a Reminder:

You can use the reminder function to let you know when a programme is going to start. Use the Up,Down button to select a programme. Press the OK button to set the reminder.



When booking a reminder you must select the program you wish to set a reminder message for and then press ENTER to confirm. The program will be displayed in the booking list.



Note: In DTV mode, press the Blue Button to view the scheduled reminders in the booking list. In the booking list window the program status is marked in green which is view mode.

Sort

You can set you channels to be sorted in the below order:

- [LCN] - Sort the channels in ascending order
- [Name] - Sort the channels in alphabetical order
- [Service ID] - Sort the channels according to the station
- [ONID] - Sort the channels according to ONID.

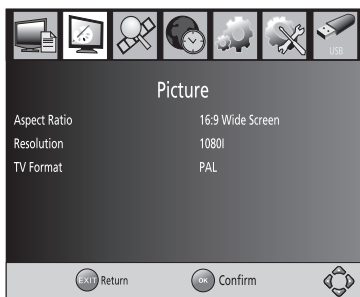
LCN (Logical channel number)

In the Program Menu you can set the LCN to on or off.

Managing your Picture Settings

To access the Picture Menu, press the Setup Button and then select Picture. The Picture Menu allows you to manage your picture settings as shown below. Press the Up or Down Buttons to select an option and then press the Right or Left Buttons to adjust that setting. Press the Exit Button to exit the menu, when you have finished.

Note: The unit doesn't support the video output through HDMI and RCA at the same time as this is not required. If the HDMI connection is being used you will not need to use the RCA also and the Set Top Box will not output through RCA.



Aspect Ratio

You must set the display format to either 4:3 PanScan, 4:3 Letter Box, 16:9 Widescreen or Auto to get the maximum display when watching TV.

Resolution

If the video does not appear correctly, change the setting. This setting is to match the most common setting for HDMI.

TV format

If the video does not appear correctly, you need to change the settings. This should match the most common setting for TVs in your country.

[NTSC] : for NTSC system TV.

[PAL] : for PAL system TV.

Channel Search

To manage your channel list and to conduct a channel scan you have to enter the Channel Search Menu. To access the menu, press the Setup Button and then select Channel Search. The Channel Search Menu allows you to automatically or manually search for channels and provides you with options to adjust the search settings. Then use the Right and Left Buttons to adjust the setting. Press EXIT to exit the Menu.

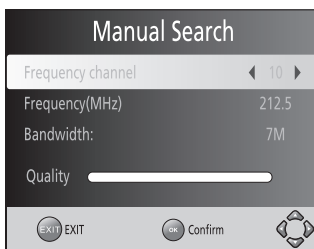


1 . Auto Search

The Auto Search option allows you conduct a full automatic search for all available channels. All channels that are found will be stored in the channels. Please note that when you conduct a channel search it will clear all preset channels. To conduct an automatic search select the Auto Search option and then press the OK Button to start channel search. To cancel, press the Exit Button.

2. Manual Search

You can also conduct a manual search for specific channels. This option allows you to add new channels without changing the current channels list. To conduct a Manual Channel Scan select the Manual Search option. Then press the OK Button and the channel search screen will appear. Use the Right or Left Button to select the channel frequency you are looking for. Then press OK to confirm. Once a channel is found it will be store in the channel list.



Country

You are able to change your country of residence in this section if you need to.

Antenna Power

If you have an external active antenna, this option will allow you to connect and use this antenna.

Time Setting

The time setting menu allows you to manage the time function on your set top box. To access the Time Setting Menu select the Time option in the Main Menu. The Time Setting Menu provides you with options to adjust the time. Use the Right and Left Button to then adjust each setting. To exit, press the Exit Button.



Time offset

The Time Offset can be set to auto or manual. If set to auto the Set Top Box will automatically change day light savings time etc.

Country Region

The Country Region option also you to set the state time in which you live. Select the Country Region option when Time Offset is set to Auto.

Time Zone

You can also change the Time Zone, this is best used when the Time Offset is set to Manual.

Sleep

If this setting is off, the sleep function will not work. When you have set the Sleep setting a pop up message will appear after the set amount of time. This will inform you that the unit is about to be turned off.

The Sleep Function can be set to a time period of 0-12 hours. Standard setting is 3 hours. Press the Standby Button to exit sleep / auto-off mode.

Option

The Option Menu allows you to adjust the language settings. To access the Option Menu, press the Setup Button to select the Main Menu and select the Option Setting. To adjust an Option Setting use the Right and Left Buttons and then press OK. To exit the menu press the Exit Button.

1. OSD Language

The OSD Language is the language that will be used in the Menu and displayed on the screen. Use the Navigation Buttons and the OK Button to select the language you would like to display.

2. Audio Language

The Audio Language allows you to select your preferred audio language. If the language is not available, the default program language will be used.

3. Subtitle Language

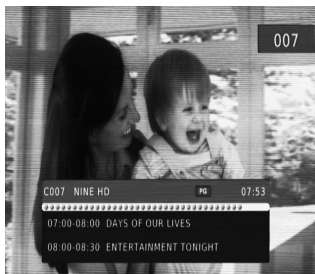
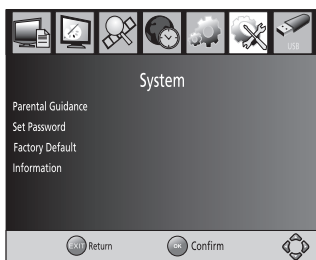
The Subtitle Language option allows you to set the subtitle language.

4. Digital Audio

The Digital Audio allows you to select your preferred digital audio language.

System Setting

The System Setting Menu allows you to adjust the System Settings. To access the System Menu, press the Set Up Button to enter the Main Menu and then select the System Option. To adjust the settings use the Navigation Buttons and then press the OK Button. Press the Exit Button to exit.



1. Parental Guidance

In the System Menu you can set the Parental Guidance settings to restrict access to unsuitable channels. To restrict/lock the selected channels you will need to enter either the default password '000000' or your own password and then follow the prompts.

2. Setting your Password

In the System Menu you are able to set your own password. Enter your old password or the default password '000000' to unlock this setting. Then you will then be asked to enter your new password. To confirm re-enter your new password. Once it is confirmed, press the Exit Button to exit the Menu.

3. Factory Default

You can select the Factory Default Function in the System Menu. The Factory Default Setting will allow you to reset your Set Top Box to the Default Factory Settings. In Main Menu select [Factory Default] and press OK or RIGHT to select. Enter your password or the default password "000000" and press OK to confirm. This option will delete all preset channels and settings.

4. Information

The information option in the System Menu allows you to view the units model, hardware and software information.

(11)USB support movie playback :



To access the Menu, press the SETUP button and select [USB] using the RIGHT/LEFT keys. The menu provides options to playback Music, Photo and Multimedia files. It can support AVI, WMA, JPEG and BMP formats. The unit will only support USB device with FAT32 file system. It will not support NTFS file system.

(a) Multimedia: When a USB device is attached you can select from the Music, Photo or Movie options in this menu using the RIGHT/LEFT keys and OK to select. If a USB device is not connected, the warning message "No USB device is Found" will appear.





(b) Photo configure:

- **Slide Time:** adjust slide show interval to 1~8 seconds.
- **Slide Mode:** adjust slide show effect as mode 0~59 or random.
- **Aspect Ratio:** **Keep** displays the picture as its original aspect, **Discard** displays the picture in full screen mode.

(c) Movie Configure

- Aspect Ratio:

[Keep]: Play movie as its original aspect.

[Discard]: Play movie in full screen mode.

- Subtitle Specific:

[Small]: Displays the subtitle as small mode.

[Normal]: Displays the subtitle as normal mode.

[Big]: Displays the subtitle as big mode.

- Subtitle BG:

[White]: Displays the subtitle in white background.

[Transparent]: Displays the subtitle in transparent background.

[Grey]: Displays the subtitle in grey background.

[Yellowgreen]: Displays the subtitle in yellowgreen background.

[White]: Displays the subtitle in White background.

- Subtitle Font Color:

[Red]: Displays Subtitle in red font.

[Blue]: Displays Subtitle in blue font.

[Green]: Displays Subtitle in green font.

[White]: Displays Subtitle in white font.

[Black]: Displays Subtitle in black font.

Note:

- We cannot guarantee compatibility (operation and/or bus power) with all USB mass storage devices and assumes no responsibility for any loss of data that may occur when connected to this unit.

- With large amounts of data, it may take longer for the system to read the contents of a USB device.

- Some USB devices may not be properly recognized.

- Even when they are in a supported format, some files may not play or display depending on the content.

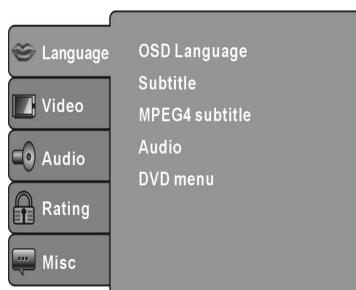
DVD Menu Set Up

DVD Menu Operation

To enter the DVD Function of the unit, press the Source Button to change from Set Top Box mode to DVD mode. Then press the SETUP Button to enter the Main Menu. Then use the Navigation Buttons to scroll through the menu to select the relevant option you wish to select. Then press OK to confirm.

LANGUAGE SETUP

Select Language in the setup menu, and display the Language submenu:



OSD Language

Use this item to select the language of the setup menu and screen display.

Subtitle

This option provides the preset subtitle language.

MPEG4 Subtitle(optional)

Select different MPEG4 subtitle encoding option.

Note: Not all players support this item.

Audio

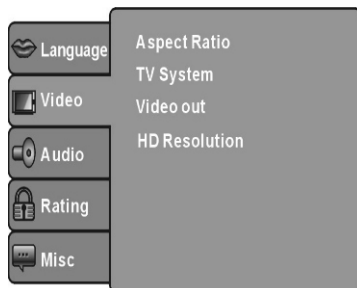
Select the built-in disc dubbing language options.

DVD Menu

This option provides the film's menu language options.

VIDEO SETUP

Select **Video** in the setup menu, and display the **Video** submenu.



Aspect Ratio

Select the aspect ratio.

Notes:

The image display ratio is related to the recorded disc format.

Some disc can not display images in the aspect ratio you choose.

If you play a disc recorded in 4:3 format on a wide screen TV, black bars will appear on the left and right side of the screen.

You must adjust the screen setting depending on the type of the television you have.

TV System

Select the different TV system.

Note: The DVD player setting should be matched to your TV set.

For more information of output format, refer to the instructions or your TV set.

Video Out

Select the video output format wanted.

Note: Only HDMI DVD player has “HD” selection.

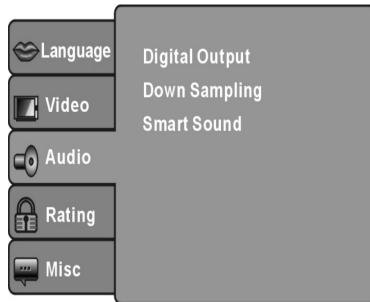
HD Resolution (optional)

After you set the video output to HD output, you can choose the resolution of HDMI output.

Note: Only HDMI DVD player has this item.

AUDIO SETUP

Select Audio in the setup menu, and display the Audio submenu.



Digital output(Optional)

Adjust the audio output on Coaxial ports to work in harmony with the audio equipment (e.g.receiver, amplifier) connected to the player.

Off Digital audio output is disabled.

PCM Transfer stereo 2 channels signals

RAW: Transfer the DVD original audio track

Note: This item is only for the player with coaxial output.

Down sampling

Select down sampling function on or off.

ON: System will down sampling rate for high sampling rate audio (more than 96K).

OFF: Disable this function.

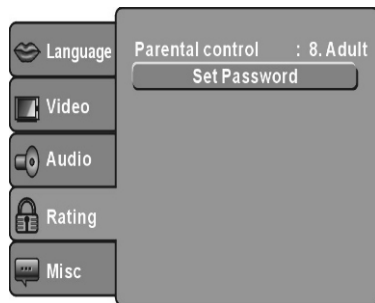
Smart sound(Optional)

Select different music effect whiling listening music.

Note: Not all player has this item.

RATING SETUP

Select **Rating** in the setup menu, and display the Rating submenu.



Parental Control

Set the parental control feature of the player

Note: *Password is needed before setting **Parental Control**.*

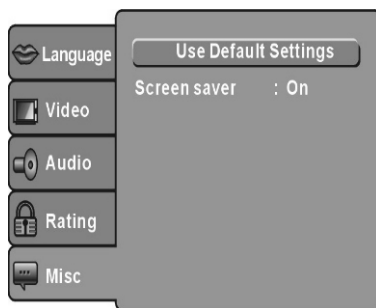
Set Password

Input four digits (password), then press **OK** to confirm.

Note: *If you forget your password, please use the universal password 6666 to unlock.*

MISC SETUP

Select **MISC** in the setup menu, and display the submenu:



Use Default Settings

Reset setup data to factory default value.

Screen Saver(Optional)

Enable/disable the screen saver function.

Note: *Not all player has this item.*

MP3/WMA/JPEG/MPEG4 PLAYBACK



The MP3/WMA/MPEG4 disc has such a directory structure as shown picture above. Press **Direction key** to choose the root directory and then press **OK** button to enter into the sub directory. Press **Direction key** to choose the desired track and then press **OK** or **PLAY** to enjoy the music or movie. If you want to return to the upper menu, press **Direction key** to choose  the icon and press **OK** button.

Filter: Allows selecting the categories of files displayed in the browser list.

Repeat: To switch different repeat playing mode

Mode: Select different playing mode as follows.

Normal: Shuffle mode is cancelled.

Shuffle: Shuffle mode enabled. When playback reaches the end of the current chapter/track, playback jumps to a random chapter/track.

*As the end of each chapter/track is reached, another random chapter/track will be played until all tracks/chapters have been played or the Shuffle mode is cancelled by toggling to a different **Mode** Option.*

Music Intro: In this mode, the media will play 10 seconds and then skip to next media.

*Edit Mode: To enable programmed playback mode. When you select the mode, press **LEFT Direction key** to directory and press **OK** to choose the desired track and press **Add to program** to start program playback.*

Program view: Display program track.

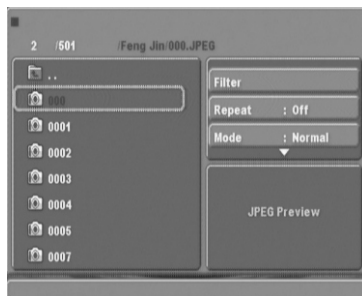
Brower view: Display track directory.

*Add to program: Choice the track press **Add to program** to add the track of the program play directory.*

*Clear program: In the complete stop state (press the **STOP** button twice), choose the track press **Clear program** to delete the track of the program play directory.*

PICTURE CD PLAYBACK

The PICTURE CD disc has such a directory structure structure as shown in the following picture.



Press Direction key to choose the root directory and then press OK button to enter into the sub directory. Press Direction key to choose the desired picture and then press OK or PLAY to enjoy the picture.

If you want to return to the upper menu, press Direction key to choose the icon and press OK button.

Image rotation

In picture play state, press Direction key to rotate the picture, press ANGLE button to change the picture scan mode.

Troubleshooting

If you experience problems with your Set Top Box/DVD Player, we recommend you follow the below suggestions first which are outlined to assist you with any basic issues. If you continue to have problems we recommend you contact the Grundig service and Warranty Toll Free Number – 1800 509 394.

Problem	Possible cause	What to do
The unit standby light is not on	Mains lead unplugged	Make sure that the mains power is connected firmly and that the power is switched on.
No signal found	Aerial is not connected correctly or has been damaged or misaligned	Check your aerial has been connected correctly, then contact a local antenna repair consultant to check your aerial properly.
No sound	Mute function maybe on, your audio connections may not be connected firmly or you may need to adjust the volume.	Turn off Mute function if it is activated. Check that your audio cables are connected firmly and correctly and ensure the volume level and setting are set to appropriate levels.
Mosaic blocks in picture or picture freezes	Aerial may not be compatible	Check aerial
Scrambled channel message	Channel is scrambled	Conduct a Factory Reset and then rescan for all available channels.
Locked out	Forgotten channel lock code	Enter the universal password "000000" and this will unlock your Set Top Box and allow you to enter a new password.
No response to remote control	Set Top Box is off	Plug in and turn on Set Top Box
	Remote Control not aimed correctly	Aim Remote Control at front panel
	Front panel obstructed	Check for obstructions
	Remote control batteries are inserted incorrectly	Check batteries direction
	Remote Control batteries exhausted	Replace remote control batteries
After moving your Set Top Box to another room, you find that you have lost the reception signal.	The aerial feed may come through a distribution system which may reduce the digital signal now received by the receiver	Try a direct feed from the antenna
BAD disc is displayed	Ensure the disc is not warped, damaged or deformed. Ensure the disc is not badly stained or damaged. Ensure the disc format is compatible with the player. Please check whether you have tried to play a software CD. If so, please restart the player.	
No disc is displayed	Ensure you have put the disc on the tray. Ensure the disc is not upside down. Ensure the disc is not distorted, stained or scratched.	

Specifications

Item	Specification	
Tuner	Frequency Range	VHF: 174MHz to 230MHz UHF: 470MHz to 862 MHz
	Input impedance	75 Ohms unbalanced
	Signal input level	-78 ~ -25DBM
	Bandwidth	7/8MHz
Demodulation	Demodulator	COFDM
	OFDM Modulation	2K, 8K FFT, SFN and MFN
	Packet Carries	2K/8K
	Guard interval	1/4, 1/8, 1/16, 1/32
Connectors	RF IN	IEC 169-2 female connector
	RF Loop Through	IEC 165-2 male connector
	Video	Video output, Pr/Pb/Y, audio L/R
	Coaxial	RCA, for SPDIF digital audio output
	Output	HDMI
Power	Input	230V ~50Hz
	Consumption	15W max
Display	Decorder module	PAL, NTSC
	Resolution	720x576(PAL), 720x480(NTSC)
	Aspect Ratio	4:3(Letterbox, Pan&Scan), 16:9
Decoding	Video	MPEG2 Transport <u>MP@ML</u>
	Audio	MPEG2 Audio layer I&II
Others	Compliance	ETSI EN 300 744 DVB-T Compliance
	Sound Mode	Right, Left, Stereo



*Specifications are subject to change without further notice.

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

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 alteration that affects the performance or reliability of the product.

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

This warranty is subject to the following provisions:

- It is only valid within the boundaries of the country of purchase.
- The product must be correctly assembled and operated in accordance with the instructions contained in this manual.
- The product must be used solely for domestic purposes.
- The warranty does not cover accidental damage, misuse, cabinet parts or consumable items.
- The warranty 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 damages.

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

PO BOX 6287,
SILVERWATER NSW 1811
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Grundig Warranty: 1800 509 394 Australia
Grundig Warranty: 0800 450 259 New Zealand

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