

**freeview**

**HIGH DEFINITION DIGITAL  
SET TOP BOX**



**GSTB4100FV**

**The Gold Technical Support Line: 1902215 259**  
**Personal Product Support**  
(Charges will apply at \$2.95 per minute)

**GRUNDIG**

# 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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## Disclaimer

Information in this document is subject to change without notice. The manufacturer does not make any representations or warranties (implied or otherwise) regarding the accuracy and completeness of this document and shall in no event be liable for any loss of profit or any commercial damage, including but not limited to special, incidental, consequential, or other damage.



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 free phone number to discuss the problem with one of our qualified service engineers.

### **Australia.**

**Grundig Warranty: 1800 509 394**

### **New Zealand**

**Grundig Warranty: 0800 450 259**

# About the Set Top Box

This DVB-T TV Receiver allows you to access Freeview 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 both Australian Standards and High Definition Video
- Freeview Compliant
- Decoding MPEG-2 and H264/MPEG-4 AVC Formats
- Update Receiver Operating Software by Over-The-Air Download
- COFDM Demodulator
- Automatic/Manual Channel Search
- Channel Edit, Moving and Deletion
- Parental Lock Control
- EPG (Electronic Program Guide) and Teletext Function (where available)
- HDMI 1.3 Output
- Multiple-Language OSD
- Supports Multi-Subtitle
- USB Port for Viewing JPEG Files, Music File and to Upgrade Software
- Tuner RF In/Loop Through
- Component / Video / Digital Audio via Coaxial Output
- Full Function Remote Control

## Package Contents

Before installation, please check the items of the package.

The package should contain the following items:

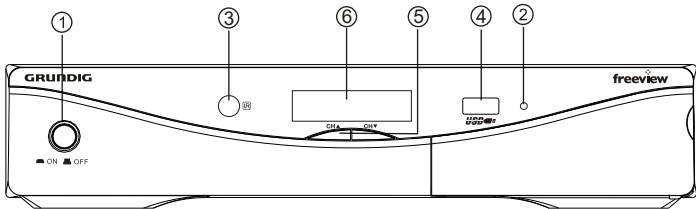
~ DVB-T TV Receiver	x1 pc
~ Remote Control	x1 pc
~ AAA Battery for the Remote Control	x1 pair
~ Instruction Manual	x1 pc
~ Composite RCA Cable	x1 pc

# Table of Contents

Front and Rear Panel .....	5
Remote Control .....	6-7
Connecting to a Television.....	8
Connecting to an Audio System.....	9
Connecting to a DVD Recorder or VCR.....	10
First Time Installation... ..	11
Basic Operations.....	11-19
Troubleshooting .....	19
Technical Specifications.....	20
Warranty.....	21

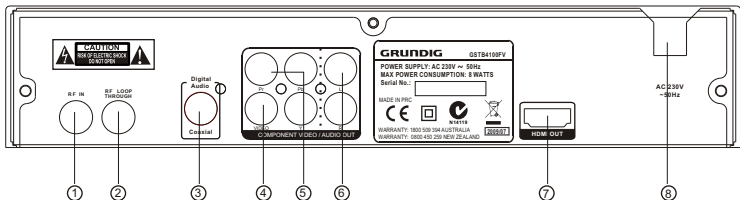
# Front and Rear Panel

## 1. Front panel



- ① **POWER BUTTON:** Used to turn on/off the main power supply.
- ② **STANDBY INDICATOR:** Used to visually show power state of the Set Top Box, the LED will turn red if the Set Top Box enters standby mode.
- ③ **REMOTE CONTROL SENSOR:** Used to receive the signal from the Remote Control.
- ④ **USB:** Data input from USB storage devices.
- ⑤ **CHANNEL UP/DOWN:** Used to change channels without using the Remote Control.
- ⑥ **LED DISPLAY WINDOW:** Used to display channel number.

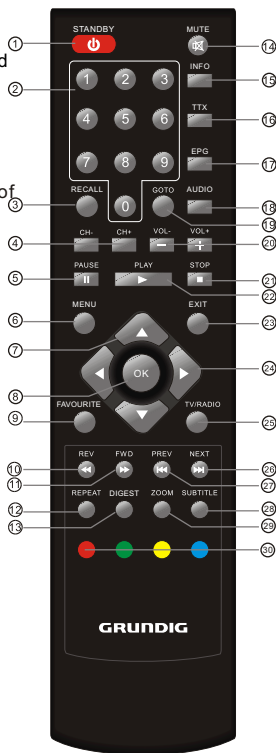
## 2. Rear panel



- 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 **COAXIAL:** This socket connects to a Coaxial cable on your surround sound system.
- 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 **HDMI :** High definition audio and video output used to connect to a HDMI device
- ⑧ **MAINS CABLE:** This is used to connect to your main power supply.

# Remote Control

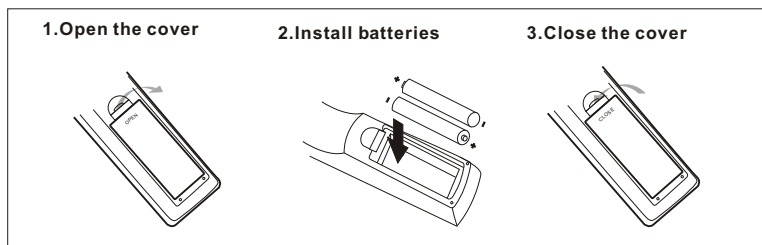
- 1. STANDBY:** Switch the product to on or standby
- 2. 0-9 (Numeric Buttons):** Selects a channel or setting
- 3. RECALL:** Used to switch between the last two viewed channels
- 4. CH+/-:** Selects the next or previous channels
- 5. PAUSE:** Pauses media play
- 6. MENU:** Turns on Main Menu
- 7. UP /DOWN:** Navigates through the Menus
- 8. OK:** Confirms an entry or selection. Displays the list of channels
- 9. FAVOURITE:** Turns on Favourite Menu
- 10. REV:** Searches backwards during media play
- 11. FWD:** Searches forwards during media play
- 12. REPEAT:** Selects Repeat or turns off Repeat mode
- 13. DIGEST:** Show grid in photo mode
- 14. MUTE:** Mute or Restore Audio Output
- 15. INFO:** Displays additional channel information
- 16. TTX:** Displays Teletext Information
- 17. EPG:** (Electronic Program Guide) Turns the program guide on
- 18. AUDIO:** Selects an Audio Language or Audio Mode
- 19. GOTO:** Selects the playtime of media
- 20. Vol + / -:** Increases or decreases volume
- 21. STOP:** Stops media play
- 22. PLAY:** Starts or resumes media play
- 23. EXIT:** Exits the current Menu or returns to the previous Menu
- 24. RIGHT /LEFT:** Navigates through the Menus
- 25. TV/RADIO:** Switches from TV function to Radio function and from Radio to TV
- 26. NEXT:** Skips to the next track during playing media and skips to the next channel during playing DTV
- 27. PREV:** Skips to the previous track during playing media and skips to the previous channel during playing DTV
- 28. SUBTITLE:** Selects Subtitles Language
- 29. ZOOM:** Enlarge the display in photo mode
- 30. COLOUR BUTTONS:** Operate different function in TEXT screen



## Installing the Batteries

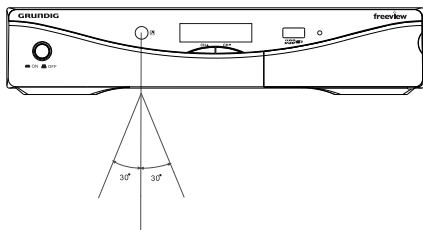
Remove the battery cover from the Remote Control and put 2xAAA size batteries inside the compartment.

The diagram inside the Battery Compartment shows the correct way to install the batteries.



## Using the Remote Control

To use the Remote Control, point it towards the front of the Digital Set Top Box. The Remote Control has a range of up to 7 metres from the Set Top Box at an angle of up to 60 degrees.



The Remote Control will not operate if its path is blocked.



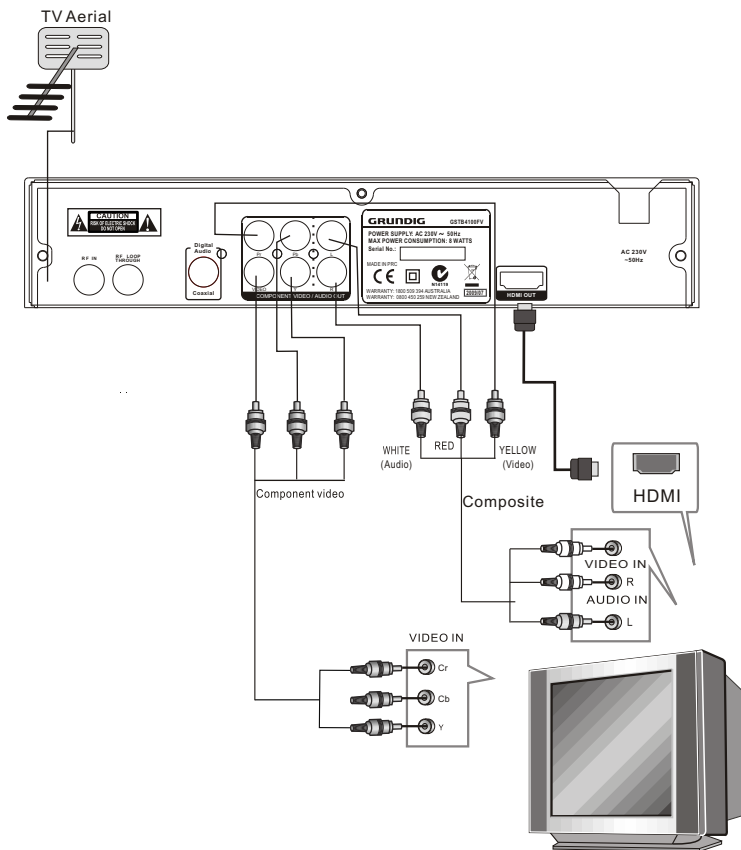
**Sunlight or very bright light will decrease the sensitivity of the Remote Control.**

## Connecting to a Television

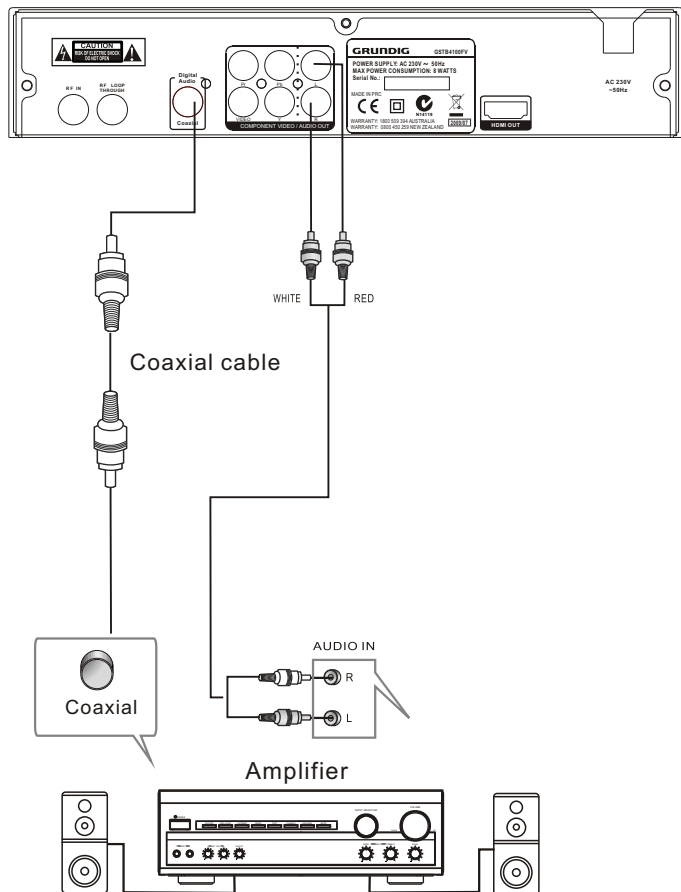
For a basic connection from your Set Top Box to the television, use the Composite connection outlined below.

For a higher quality connection, use the Component Video connection outlined below combined with the Composite Audio Connection.

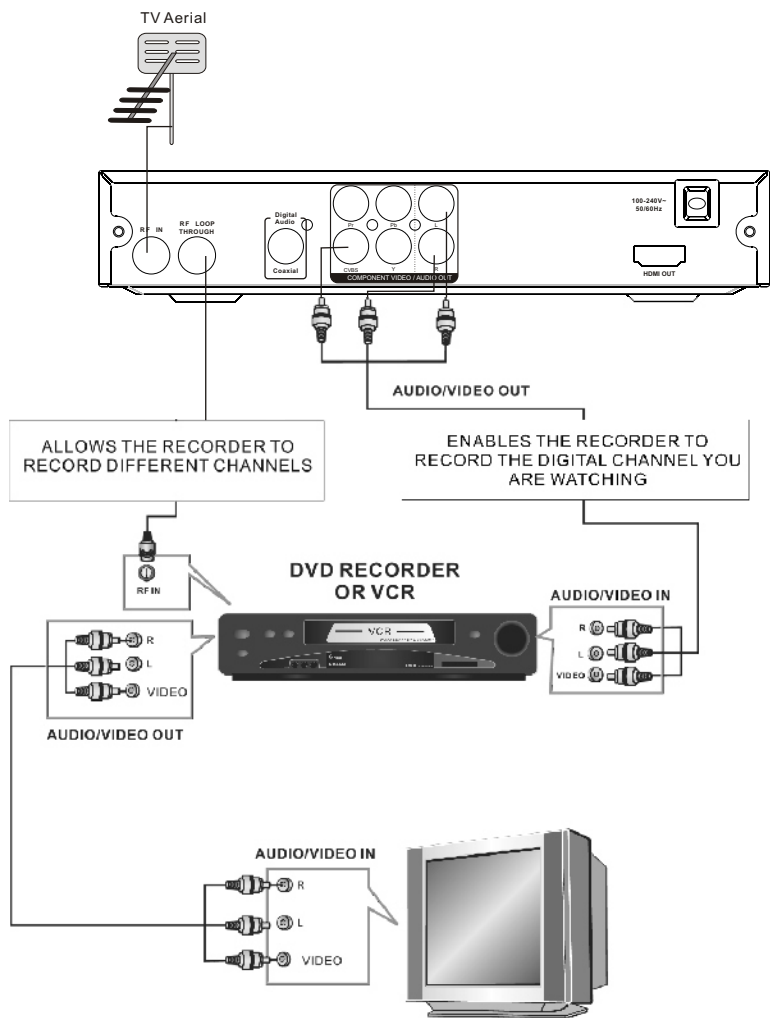
For the highest quality connection use a direct HDMI connection, see below.



# Connecting to an Audio System



# Connecting to a DVD Recorder or VCR



# First Time Installation

After all connections have been made properly, switch on TV and make sure the receiver is connected to the Main Power. Press Power button to switch receiver on. If you are using the receiver for the first time or restored to Factory Default, the Main Menu will appear on your TV screen.



- (1) Select [OSD Language] and press RIGHT/LEFT key to select an language
- (2) Select [Country] and press RIGHT/LEFT key to select your country of residence
- (3) Select [Channel Search] and press RIGHT or OK key to begin Automatic channel search
- (4) Once channel tuning is complete, you are now ready to watch TV

## Basic Operation

### (1) Program Manage Settings

To access the Menu, press the MENU button and select [Program]. The Menu provides options to adjust the Program Manage Settings. Select an option and press OK or RIGHT to adjust that setting. Press the EXIT button to exit the Menu.



## (2) Program Edit

To edit your program preferences (lock, skip, favourite, move or delete), you will need to enter the Program Edit Menu. This Menu requires a password to access. Enter the default password '000000'.



### Set Favourite Program/s

You can create a shortlist of favourite programs that you can easily access. Set Favourite TV or Radio program:

1. Select the preferred program then press the FAVOURITE button. A heart-shaped symbol will appear and the program is marked as a favourite
2. Repeat the previous step to select more Favourite programs
3. To confirm and exit the Menu, press the EXIT key

#### Disable Favourite TV or Radio Program:

Press the FAVOURITE button on the Remote Control with the heart-shaped symbol

#### View Favourite Programs:

1. Press the Favourite button and the Favourite Menu will appear
2. Press UP/DOWN to select your Favourite Programs
3. Press OK to select your favourite program

### Delete a TV or Radio Program/s

1. Select the Program and then press the BLUE button. A message will appear. Press OK to delete the program
2. Repeat the previous step to select more programs to delete

### Skip TV or Radio Program/s

1. Select the program you would like to skip and press the GREEN button. A skip symbol is displayed. The program is marked as a skip
2. Repeat the previous step to select more programs
3. To confirm and exit the menu, press EXIT key

#### Disable a skip TV or Radio Program:

Press the GREEN button on the skip program with the skip symbol

## Move a TV or Radio Program/s

1. Select the preferred program then press the RED button. A move symbol will appear
2. Press UP/DOWN to move the program
3. Press OK to confirm
4. Repeat the above steps to move more channels

## Lock Program/s

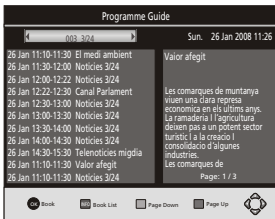
You can lock selected programs for restricted view.

Lock a TV or Radio Program:

1. Select the preferred program then press the YELLOW button. A lock-shaped symbol is displayed. The program is now marked as locked
2. Repeat the previous step to select more programs
3. To confirm and exit the menu, press the EXIT button
4. Press the YELLOW button to disable the locked program
5. To view the locked program, you will be required to enter either the default password '000000' or your last set password.

## (3) EPG (Electronic program guide)

The EPG is an on-screen TV guide that shows scheduled programs seven days in advance for every tuned channel. Press the EPG button on the Remote Control to access guide.



You can use the UP/DOWN key to select the preferred program. If there is more than one page of information, use the BLUE button for page up and the YELLOW button for page down.

## (4) Sort

Sort your channels from the following options:

[LCN] - Sort the channels in ascending order

[Name] - Sort the channels in alphabetical order

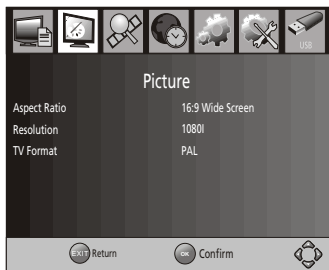
[Service ID] - Sort the channels according to the station

## (5) LCN (Logical channel number)

Set LCN on or off.

## (6) Video Setting

To access the Menu, press MENU then select [Picture]. The Menu provides options to adjust the video settings. Press UP/DOWN to select an option and press RIGHT/LEFT to adjust that setting. Press EXIT to exit the menu.



### (1). Aspect Ratio

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

### (2). Resolution

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

[480i]: for NTSC system TV.

[480P]: for NTSC system TV.

[576i] for PAL system TV.

[576P]: for PAL system TV.

[720P]: for NTSC or PAL system TV.

[1080i]: for NTSC or PAL system TV.

### (3). 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.

## (7) Channel Search

To access the menu, press MENU and select [Search Channel]. The Menu provides options to adjust the Search Channel settings.

Select an option and press RIGHT/LEFT to adjust the settings.

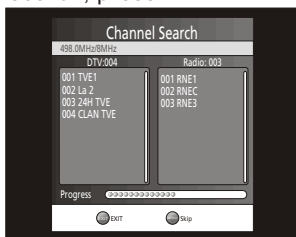
Press EXIT to exit the Menu



### 1. Auto Search

Search and install all channels automatically. This option overwrites all preset channels.

1. Select [Auto Search] and press OK or RIGHT to start channel search.
2. To cancel channel search, press EXIT.



### 2. Manual Search

Install new channels manually. This option adds new channels without changing the current channels list.

1. Select [Manual Search] then press OK or RIGHT. The channel search screen will appear.



2. Press the RIGHT/LEFT key to select the channel frequency

3. Press OK to start searching channels

If a channel is found, it is saved and added to the channels list. If channels can't be found, then exit the menu.

### (3) Country

Select your country of residence.

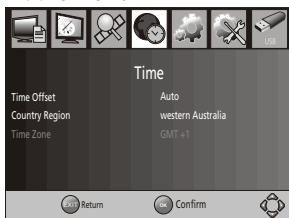
### (4) Antenna power

Enable Antenna Power if an external active antenna is connected.

## (8) Time Setting

To access the Menu, press MENU then select [Time]. The Menu provides options to adjust the time settings.

Press UP/DOWN to select an option and press RIGHT/LEFT to adjust the settings. Press EXIT to exit the menu.



### (1) Time offset

Select auto or manual for GMT offset adjustments.

### (2) Country Region

Select the Country Region when [Time Offset] is set to Auto.

### (3) Time Zone

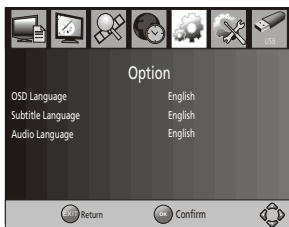
Select the Time Zone Offset when [Time Offset] is set to Manual.

## (9) Option

To access the Menu, press MENU and select [Option]. The menu provides options to adjust the OSD Language, Subtitle Language and Audio Language.

Select an option and press RIGHT/LEFT to adjust the setting.

Press EXIT to exit the Menu



### (1). OSD Language

Select an OSD language

### (2). Audio Language

Select the preferred audio language for watching TV channels.

If the language is not available, the default program language will be used.

### (3). Subtitle Language

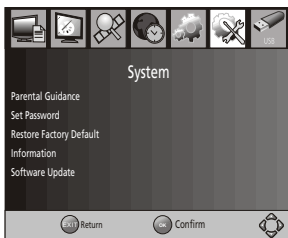
Select the preferred subtitle language.

## (10) System Setting

To access the Menu, press MENU and select [System]. The menu provides options to adjust the system settings.

Press the UP/DOWN key to select an option and press RIGHT/LEFT to adjust the setting.

Press EXIT to exit the Menu .



### (1) Parental Guidance

You can restrict access to channels that are unsuitable for children. To restrict/lock the channel you will need to enter either the default password '000000' or your own password.

### (2) Set Password

Set or change the password for locked programs. Enter your old password or the default password '000000'. You will then be asked to enter your new password. To confirm re-enter your new password. Once it is confirmed, press EXIT to exit the Menu.

### (3) Restore Factory Default

Reset your Set Top Box to the Default Factory Settings.

In Main Menu select [Restore 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

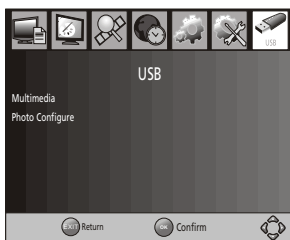
View model, hardware and software information.

### (5) Software update

If the status is set "ON", it will begin searching for new software from broadcast according to your preferred time in "Start Time".

## (11) USB

To access the Menu, press the Menu button and select USB.



### Multi-Media

Switch to USB mode and plugin USB to view files.


## Troubleshooting

<b>Problem</b>	<b>Potential Reasons</b>	<b>What to do</b>
No picture	Power isn't connected	Connect the power
	The power switch is not on	Switch on the power
Screen shows "No Signal"	DVB-T cable not connected	Plug in the DVB-T cable
	Incorrect setting	Reset setting
No sound from speaker	No or incorrect connection with audio cable	Connect the audio cable correctly
	Sound on mute	Turn off mute function
	Incorrect sound track	Try another sound track
Only sound, no image on the screen	No or incorrect connection with AV cable	Make sure cables are connected correctly
	The program is a radio program	Press <TV/RADIO> key to shift into TV mode
Remote Control is not responding	The battery is exhausted	Change battery
	Remote Control is not facing or close enough to the Set Top Box	Adjust the position of the Remote Control and move closer to the unit
The image stopped suddenly or mosaic	The signal is too weak	Strengthen the signal

## Technical Specifications

Item	Sub Item	Parameter
Tuner	Input Frequency	170~230MHz 470~860MHz
	RF Input level	-25~-82dBm
	IF Bandwidth	7MHz and 8MHz
	Modulation	QPSK, 16QAM, 64QAM
Video	Decoder Format	MPEG4 AVC/H.264 HP@L4 MPEG2 MP@ML.HL
	Output Format	576P , 720P, 1080i, 4:3 and 16:9
	Output Port	HDMI
Audio	Decoder Format	MPEG-1 (layer1&2)
	Audio output	Digital audio: S/PDIF
Power	Voltage	230V~ 50Hz
	Power	Max 8W



 This symbol on the product or in the instructions means that your electrical and electronic equipment should be disposed at the end of life separately from your household waste. There are separate collection systems for recycling. For more information, please contact the local authority or your retailer where you purchased the product.

## 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 **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 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 warranty does not cover accidental damage;
- The warranty will be rendered invalid if the product is resold or has been damaged by inexperienced repair;
- The manufacturer disclaims any liability for incidental or consequential damaged.

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

PO BOX 6287  
Silverwater NSW 1811  
[www.grundig.net.au](http://www.grundig.net.au)

**Grundig Warranty: 1800 509 394 Australia**  
**Grundig Warranty: 0800 450 259 New Zealand**

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