

DIGITAL
TERRESTRIAL
RECEIVER

GSTB1701USB

The Gold Technical Support Line: 1902 215 259

Personal Product Support

(Charges will apply at \$2.95 per minute)

GRUNDIG

INTRODUCTION

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

You may already be familiar with using a similar unit, but please take time to read these instructions. They are designed to 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" **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

SAFETY INSTRUCTIONS

- Always read the safety instructions carefully
- Keep this User's Manual for future reference
- Keep this equipment away from humidity
- Lay this equipment 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 equipment checked by a service technician:
 - The equipment has been exposed to moisture.
 - The equipment has been dropped and damaged.
 - The equipment has obvious sign of breakage.
 - The equipment has not been working well or you cannot get it work according to User's Manual.

Warning

- To prevent the risk of electric shock, do not open the cover or the back of the receiver and expose this apparatus to rain or colds.
- 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.

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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.

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ABOUT THE SET TOP BOX

This DVB-T TV Receiver is a Free-To-Air digital terrestrial receiver, allowing you to access free-to-air digital terrestrial TV channels and radio broadcasts on your TV set. Its digital reception covers VHF & UHF band. Compared with the analog TV programs, digital TV programs eliminate the noise and interference but offer high quality video and audio. An on-screen initial installation guide is provided so that you can easily start to enjoy watching the programs. 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

- Full comply with Australia DVB-T standard
- Full MPEG2 ISO/IEC 13818 transport stream compliant audio/video decoding
- Bandwidth of 7MHz supported
- COFDM demodulator
- Automatic/manual channel search
- Channel lock, moving and deletion
- Parental lock control
- EPG (Electronic Program Guide) and teletext function (where available)
- USB port for upgrade software and playback of MP3 and JPG files
- Tuner RF in/loop through
- Component/CVBS/ S-Video/Digital Audio via coaxial
- Full functional remote control

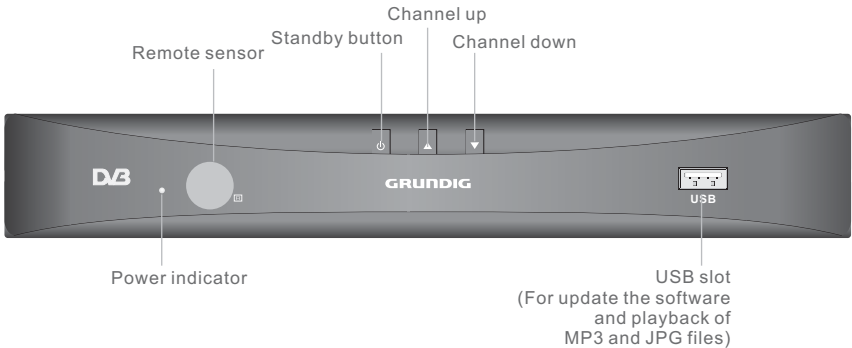
Package Contents

Before installation, please check the items of the package. The package should contain the following items:

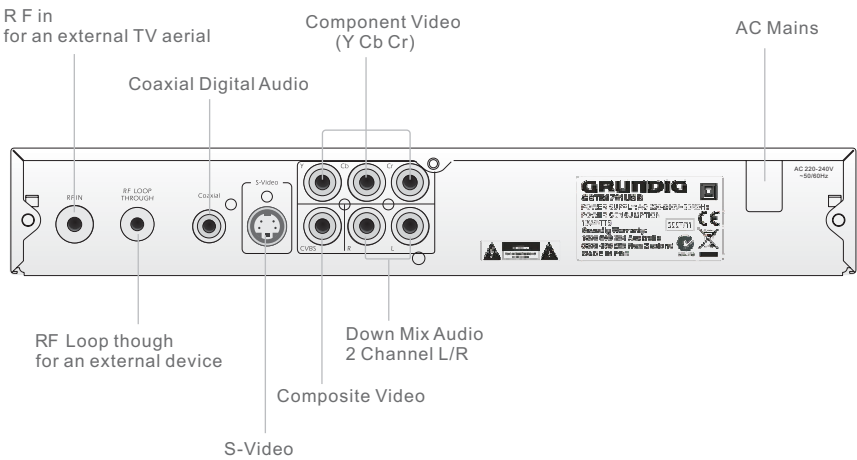
- | | |
|--|----------|
| 1. DVB-T receiver | x 1 pcs |
| 2. Remote control | x 1 pcs |
| 3. AAA size battery for the remote control | x 1 pair |
| 4. Instruction manual | x 1 pcs |
| 5. AV cable(red/yellow/white) | x 1 pcs |

FRONT & REAR PANEL ILLUSTRATION

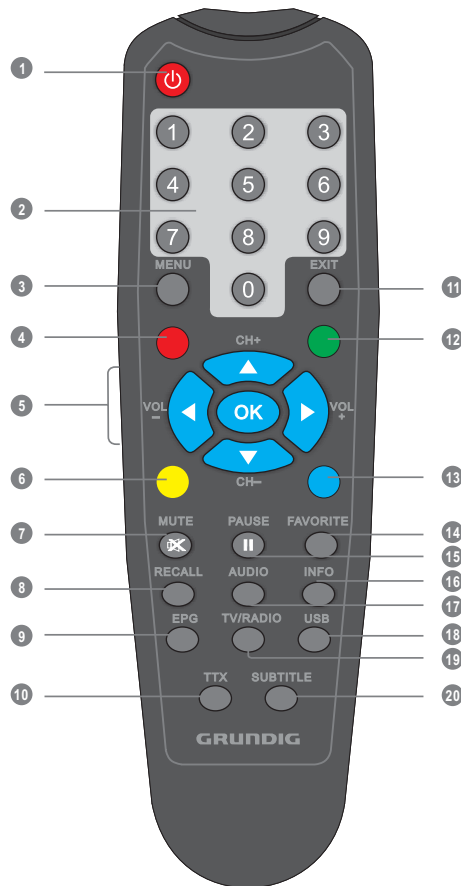
Front panel



Rear panel



REMOTE CONTROL



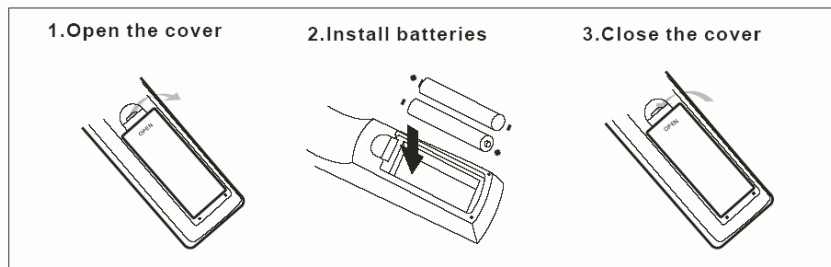
- 1 Power On/Standby
(Switch the STB ON/STANDBY mode)
- 2 Numeric entry
(Enter numeric values and to select the channel directly by entering it's number)
- 3 Menu
(Open up menu)
- 4 Red Button
(To assist the operation of teletext function)
- 5 Cursor/ Enter
(to select sub-menu from the main menu and channel +/-,
 to select menu and sub-menu from the menu and volume +/-,
 Press to enter.)
- 6 Yellow Button
(To assist the operation of teletext function)
- 7 Mute
- 8 RECALL
(switch to previous channel)
- 9 EPG
(Open up Electronic Program Guide menu)
- 10 TTX
(Open Teletext function)
- 11 EXIT
(Exit from menu)
- 12 Green Button
(To assist the operation of teletext function)
- 13 Blue Button
(To assist the operation of teletext function)
- 14 FAVOURITE
(Open up Favourite list)
- 15 PAUSE (To freeze the picture)
- 16 INFO
(To view the current channel information)
- 17 AUDIO
(Select audio mode: Left / Right /Stereo / Mono)
- 18 USB
(Select the USB device)
- 19 TV/RADIO
(Switch between TV and Radio)
- 20 SUBTITLE
(Switch On/Off Subtitle)

REMOTE CONTROL

Installing the batteries

Remove the battery cover from the remote control and put two AAA size batteries inside the compartment.

The diagram inside the battery compartment shows the correct way to install the batteries.



Caution:

1. Keep batteries out of children's reach.
2. Don't attempt to recharge, short-circuit, disassemble, heat or throw the batteries into the fire.
3. Always replace both batteries at the same time. Never mix new and old batteries or batteries of a different type.
4. If you don't intend to use the remote control for an extended period, remove the batteries to prevent possible leakage and corrosion.
5. Do not drop, apply shock or step on the remote control.
6. Do not spill water on the remote control.

NOTE

If the receiver does not operate when operating the remote control from a close range, you need to replace the batteries.

Using the Remote Control

1. To use the remote control, point it towards the front of the digital set top box.
2. The remote control has a range of up to 7 metres from the set top box at an angle of up to 60 degrees.
3. The remote control will not operate if its path is blocked.

NOTE

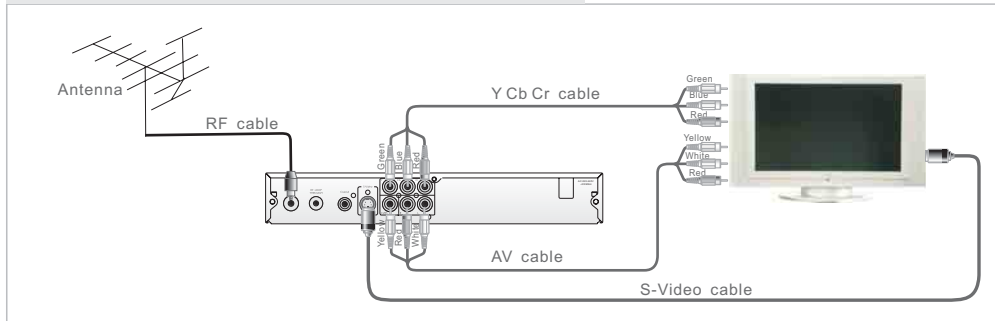
Sunlight or very bright light will decrease the sensitivity of the remote control.

SYSTEM CONNECTION

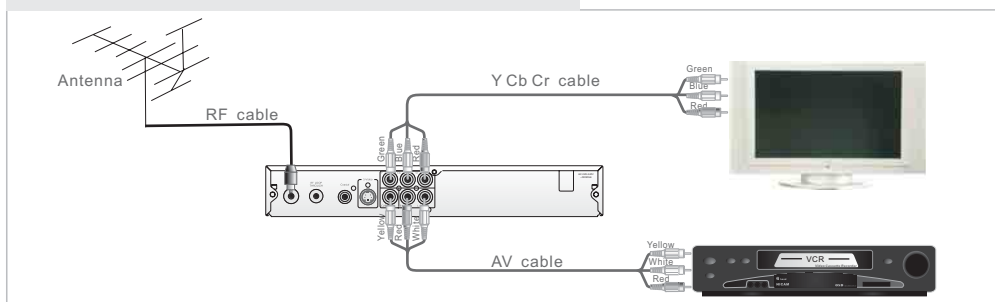
General

There are many different types of TV/VCR and other equipment that you can connect to the STB. In this manual you will see some of the most *common* ways to connect your equipment.

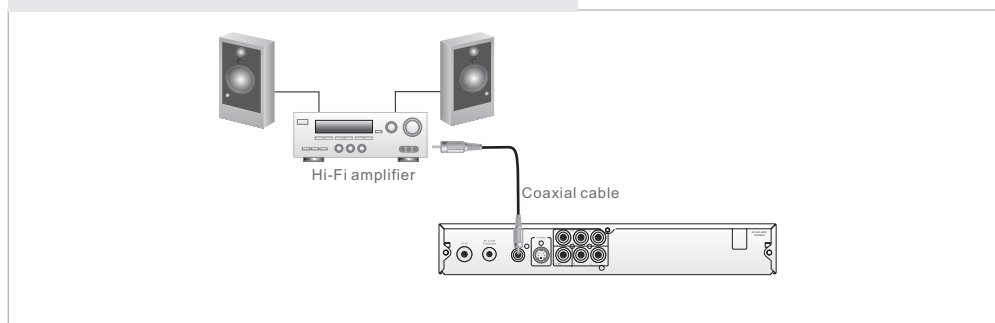
Connecting to the TV with AV/Y Cb Cr / S-Video cable



Connecting to the video recorder



Connecting to a Hi-Fi system



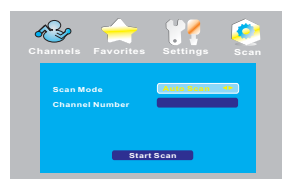
GETTING STARTED

Switching on

- Turn on your TV set and select the corresponding AV input, then set the video system of your TV to PAL.
- Connect the Set Top Box to mains power supply AC 220-240V 50/60Hz, the power indicator on the front of the unit will turn red (Standby mode). Press the POWER button on unit or remote control to turn on the unit, then the indicator will turn to green.

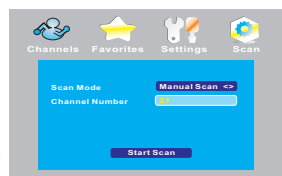
Automatic channel scan

- ① Press the "MENU" button  and enter the pin code to access the setup menu of the STB (the default pin code is 888888).
- ② Press the "LEFT" or "RIGHT" cursor button to highlight .
- ③ Press the "OK" Button to enter the sub-menu.
- ④ Highlight the "Scan Mode" and press the "LEFT" or "RIGHT" cursor button to select "Auto scan".
- ⑤ Press the "UP" or "DOWN" cursor button to highlight the "Start Scan" and then press the "OK" button to confirm.
- ⑥ Press the "EXIT" button  to quit.



Manual channel scan

- ① Press the "MENU" button  and enter the pin code to access the setup menu of the STB. (The default pin code is 888888)
- ② Press the "LEFT" or "RIGHT" cursor button to highlight .
- ③ Press the "OK" Button to enter the sub-menu.
- ④ Highlight the "Scan Mode" and press the "LEFT" or "RIGHT" cursor button to select "Manual scan".
- ⑤ Press the "DOWN" cursor button to highlight "Channel Number." option and input the desired channel number.
- ⑥ Press the "UP" or "DOWN" cursor button to highlight the "Start Scan" and then press the "OK" button to confirm.
- ⑦ Press the EXIT button  to quit.



NOTE

- All the settings in the setup menu are fixed. To change anything the correct password will be required.
- When the search is finished, the first channel of the channel list and the information banner is displayed. You can now watch digital terrestrial television.

OPERATION

Changing Channels

There are four ways of channel selection - stepping through the channel list, selection by number, from the on-screen channel list, and using the electronic programme guide(EPG).

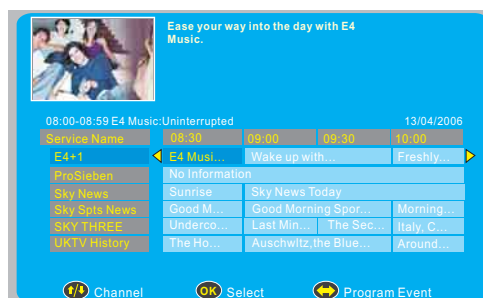
- ① Stepping through the channel list:
To move through the channel list, press the upward arrow or downward arrow key on the remote control.
- ② Selection by number:
Enter the channel number directly by pressing numeric buttons to select desired channel.
- ③ Selection by on-screen channels list:
You can also select the required channel directly from on-screen channel list. This is displayed using the STB's main menu. See "Channel List" in this manual for operation detail.
- ④ Selection by EPG:
You can also select the required channel directly from electronic program guide (EPG). This is displayed using the STB's main menu. See "Accessing the Electronic Program Guide (EPG)" in this manual for operation detail.

Accessing the Electronic Program Guide (EPG)

The EPG menu is used to look at what is being broadcast on a TV or Radio channel later in the day.

Accessing the EPG of all channels:

- ① Press the "EPG" button to enter the EPG menu, and a preview of your current channel will be displayed in the top left corner box.



- ② Press the "UP" or "Down" cursor button to view a different channel. Each selected channel will be previewed in the top left corner box.
- ③ Press the "Right" cursor button to see what is going to be broadcast after this programme. Each press of the button will increase by half an hour. Or press the "Left" cursor button to move the EPG back half an hour.
- ④ Press the "OK" button to quit the EPG menu and watch the selected channel in full screen.

OPERATION

Select the USB mode

- ① Insert a USB stick into the USB slot, the TV screen will display a file manager .
- ② Select the icon  , then press the "OK" button to enter the USB menu as follows:.



- ③ Press the "UP" or "DOWN" cursor button to select a folder or file and then press the "OK" button to start playback.
- ④ Press the "Left" or "Right" cursor button to select the different function icon, then press the "OK" button to activate the function:

-  : Switch to the STB mode.
-  : Select the USB device or open folder. This icon will display only when highlighted a folder.
-  : Play the selected file. This icon will display only when highlighted a file.
-  : Add the selected file to play list. If the selected file is a audio file, it will be added to Audio list automatically, and image will be added to Image list.
-  : Delete the selected file from Audio list or Image list.
-  : Select a playlist: Audio list/Image list /File list
-  : Select filter content :Audio/Image/All Types
-  : Select play mode:Play one/Play all/Shuffle play/Repeat one/Repeat all/Repeat shuffle
-  : Slide show with background music:
 - 1) Play the image without music
 - 2) Play the image with background music from current folder
 - 3) Play the image with background music from play lists

- ⑤ Press the "EXIT" button to quit the USB mode and switch to the STB mode.
- ⑥ Press the "USB" button to return back to the USB mode.

CHANNELS LIST

Channels List

Some channels broadcast material which you do not want younger members of the family to watch. Any channel can be locked so that it cannot be selected for viewing without entering a PIN code.

Locking/Unlocking a channel:

- ① Press the "MENU" button to enter the setup menu of the STB.
- ② Press the "LEFT" or "RIGHT" cursor button to highlight 
- ③ Press the "OK" button to enter the sub-menu.
- ④ Press the "UP" or "DOWN" cursor button to preview channel.
- ⑤ Press the "0" button to open the PIN CODE box.
- ⑥ Enter the pin code and press the "OK" button to confirm (default pin code is 888888).
- ⑦ Press the "EXIT" button two times to quit.



Delete a channel:

- ① Press the "MENU" button to enter the setup menu of the STB.
- ② Press the "LEFT" or "RIGHT" cursor button to highlight 
- ③ Press the "OK" Button to enter the sub-menu.
- ④ Press the "UP" or "DOWN" cursor button to preview channel.
- ⑤ Press the numeric button **1**.
- ⑥ Press the "OK" button to confirm.
- ⑦ Press the "EXIT" button two times to quit.

Move a channel:

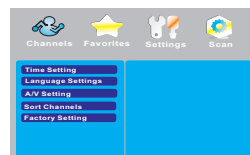
- ① Press the "MENU" button to enter the setup menu of the STB.
- ② Press the "LEFT" or "RIGHT" cursor button to highlight 
- ③ Press the "OK" Button to enter the sub-menu.
- ④ Press the "UP" or "DOWN" cursor button to preview channel.
- ⑤ Press the numeric button **2** to move up to highlight channel.
- ⑥ Press the numeric button **3** to move down to highlight channel.
- ⑦ Press the "EXIT" button two times to quit.

SYSTEM SET-UP

System setup

Many aspects of your STB can be set to reflect your circumstances and preference.

- ① Press the "MENU" button to enter the settings menu of the STB.
- ② Press the "LEFT" or "RIGHT" cursor button to highlight  and then press the "OK" Button to enter the sub-menu.
- ③ Press the "UP" or "Down" cursor button to highlight the desired menu and then press the "OK" button to enter its setting menu.
- ④ Highlight the desired item and then press the "LEFT" or "RIGHT" cursor button to select desired setting. Press the "EXIT" button to quit.



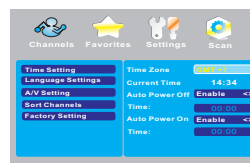
NOTE

- GMT is referred to the standard time of Greenwich.

Time Setting

Various time zone can be set, such as current local time, Auto power on/off time. The exact local present time can be adjusted by using the GMT.

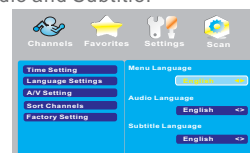
- ① In the Settings menu, select "Time Setting" and then press the "OK" button to enter its setting menu.
- ② Select the desired item and press the "LEFT" or "RIGHT" cursor button to select desired setting.
- ③ Press the "EXIT" button to quit.



Language Settings

This menu allows the user to select the desired language of the OSD, Audio and Subtitle.

- ① In the Settings menu, select "Language Settings" and then press the "OK" button to enter its setting menu.
- ② Select the desired item and press the "LEFT" or "RIGHT" cursor button to select desired language.
- ③ Press the "EXIT" button to quit.



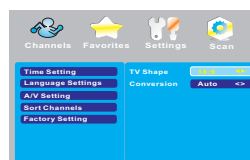
A/V setting

In this menu, you can set TV shape, conversion, TV standard and video output.

- ① In the Settings menu, select "A/V settings" and press the "OK" button to enter its setting menu.
- ② Select the desired item and then press the "LEFT" or "RIGHT" cursor button to select desired settings
- ③ Press the "EXIT" button three times to quit.

TV Shape/ Conversion:

TV shape	Conversion	TV shape	Conversion
16:9	Auto	4:3	Auto
	FullFrame		FullFrame
	VerticalCut		Pan&Scan
	PillarBox		LetterBox

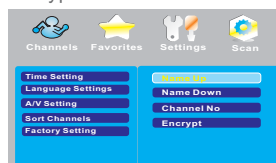


SYSTEM SET-UP

Sort Channel

You can sort the TV channels in Name Up, Name Down, Channel No or Encrypted order.

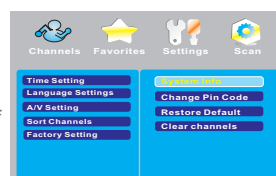
- ① In the Settings menu, select "Sort Channel" and then press the "OK" button to enter its setting menu.
- ② Select the desired item and press the "OK" button to confirm.
- ③ Press the "EXIT" button to quit.



Factory Settings

You can view the software version, change pin code, re-set the STB back to factory settings and clear all channels in this menu.

- ① In the Settings menu, select "factory Setting" and then press the "OK" button to enter its setting menu.
- ② Select desired item and press the "OK" button to enter the sub-menu.
 - A) System Info: You can view the software version and the date of last upgrade.
 - B) Change Pin Code: Change the Pin Code of the STB.
 - C) Restore Default: Restore to factory settings.
 - D) Clear Channels: Clear all channels.



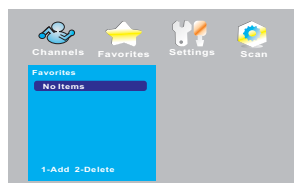
FAVOURITE LIST

Favourite list

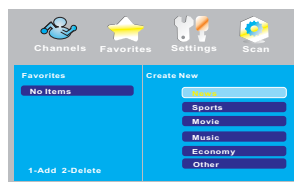
There are some channels that you tend to watch more often and some only occasionally. Although some duplicate channels you may want to delete from channel list, others although not watched frequently, you will not want to do away with altogether. The favourite mode allows the most-watched channels to be accessed more easily, leaving the less-watched channels accessible but out of the way.

Creating favourite group:

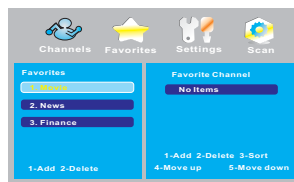
- ① Press the "MENU" button to enter the setup menu of the STB.
- ② Press the "LEFT" or "RIGHT" cursor button to highlight .
- ③ Press the "OK" button to enter the sub-menu (see pic-1).
- ④ Press the numeric button **1** on the remote control (see pic-2) to add a favourite group.
- ⑤ Select the desired items and press the "OK" button to confirm.
- ⑥ Press the  "EXIT" button repeatedly to quit.



Pic-1



Pic-2



Pic-3



Pic-4

Adding channels to a favourite group:

- ① Press the "MENU" button to enter the setup menu of the STB.
- ② Press the "LEFT" or "RIGHT" cursor button to highlight .
- ③ Press the "OK" button to enter the sub-menu.
- ④ Select a desired favourite group.
- ⑤ Press the "OK" button on the remote control (see pic-3).
- ⑥ Press the numeric button **1** on the remote control. Select the desired channel and then press the "OK" button (see pic-4).
- ⑦ Press the "EXIT" button repeatedly to quit.

Accessing the favourite channels:

- ① Press the "FAVOURITE" button to enter the "FAVOURITE LIST".
- ② Press the "UP" or "DOWN" cursor button to select the desired favourite group.
- ③ Press the "OK" button to enter the favourite group.
- ④ Select the favourite channels and press the "OK" button.

NOTE

Press numeric button "1-5" to Add, Delete, Sort, Move favourite channels.

TROUBLE SHOOTING

In some region, the digital terrestrial signal may be weak. So you'd better use the antenna in which the booster was built, for watching the weak signal channels.

Problem	Possible cause	What to do
Standby light not lit	Mains lead unplugged Mains fuse blown	Check mains lead Check fuse
No signal found	Aerial is disconnected Aerial is damaged/misaligned Out of digital signal area	Check aerial lead Check aerial Check with dealer
No picture or sound	Tuned to digital teletext channel	Reduce to another channel
Scrambled channel message	Channel is scrambled	Select alternative channel
No response to remote control	Receiver off Handset not aimed correctly Front panel obstructed Hand set batteries exhausted	Plug in and turn on plug Aim handset at front panel Check for obstructions Replace handset batteries
Forgotten channel lock code		Re-install channels to cancel channel lock
Forgotten menu lock code		Contact Grundig warranty line
The remote control will not operate your STB	(1) The batteries in your remote control need replacing (2) There is an obstruction blocking the signal path between the remote control and the box.	(1) Replace the batteries (2) Check that there is nothing in the way of the path between the remote control and the receiver
After moving the STB to another room you find you are no longer able to receive digital reception	The aerial feed former new point may come through a distribution system which may reduce the digital signal now received by the box.	Try a direct feed from the antenna
Picture no colour	The TV system of your TV not set to PAL.	Set the TV system of your TV to PAL

SPECIFICATIONS

<u>TUNER & CHANNEL</u>	• RF INPUT CONNECTOR x1 (IEC-TYPE, IEC169-2, FEMALE) • RF OUTPUT CONNECTOR x1 (IEC-TYPE, IEC169-2, MALE (LOOPTHROUGH)) • FREQUENCY RANGE: 174MHz ~230MHz (VHF) & 470MHz ~862MHz (UHF) • SIGNAL LEVEL: -15 ~ -70 dbm
<u>DECODER</u> • TRANSPORT STREAM • PROFILE LEVEL • INPUT RATE • VIDEO FORMATS • AUDIO FORMATS • VIDEO OUTPUT	MPEG-2 ISO/IEC 13818 MPEG-2 MAIN PROFILE @MAIN LEVEL MAX. 15Mbit/s 4:3/, 16:9 SWITCHABLE MPEG Layer I & II, 32 / 44.1 / 48KHz CVBS, Y Cb Cr, S-Video
<u>CONNECTION</u> • MAIN POWER CABLE • TUNER • Video • SPDIF • DATA PORT	FIXED TYPE ANTENNA INPUTx1, RF OUTPUT x1 S-Video x1, Y Cb Cr x1, Composite Video x 1, Component x 1 COAXIAL x1 USB x1(For update the software and playback of Mp3 and JPG file)
<u>POWER SUPPLY</u> • INPUT VOLTAGE • POWER CONSUMPTION	AC220~240V, 50/60Hz MAX. 10W/STANDBY 5W
NOTE • Design and Specifications are subject to change without notice.	



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

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

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ver.2 27-Nov-2007