

USER'S MANUAL

TDR 3290



Please read this User's Manual carefully.
The menu structure and specification can be changed without notice.



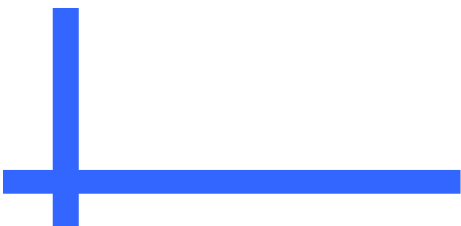
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This receiver has been manufactured to satisfy the international safety standards. Please read the following safety precautions carefully.

ADAPTOR SUPPLY

: 230V, 50Hz, Max 11W

OVERLOADING

: Do not overload a wall outlet, extension cord or adapter as this may result in fire or electric shock.

LIQUIDS

: This receiver shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the receiver.

CLEANING

: Disconnect the receiver from the main supply before cleaning. Do not use any kind of solvents to clean the receiver, only use a soft-dry cloth.

VENTILATION

: The slots on top of the receiver must be left uncovered to allow proper airflow to the unit.

Do not stand the receiver on soft furnishings or carpets.

Do not expose the receiver to direct sunlight or do not place it near a heater.

Do not stack electronic equipments on top of the receiver.

ATTACHMENTS

: Do not use any unrecommended attachments as these may cause hazard or damage the receiver.

CONNECTION TO THE TERRESTRIAL ANTENNA

: Disconnect the receiver from the main supply before connecting

FAILURE TO DO SO CAN DAMAGE THE TERRESTRIAL ANTENNA.

CONNECTION TO THE TV.

: Disconnect the receiver from the main supply before connecting or disconnecting the cable from TV.

FAILURE TO DO SO CAN DAMAGE THE TV.

EARTHING

: The CABLE MUST BE EARTHED to the system earth for the Terrestrial antenna.

LOCATION

: Place the receiver indoor in order not to expose to lightening, rain or sunlight.

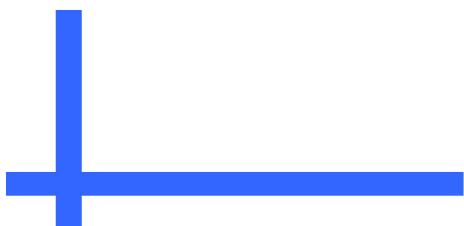
General Introduction



This manual will help you learn basic functions such as formatting, selecting channels and many other functions of the **receiver**. All functions can be performed from the remote control, and some from the Front panel.

The remote control is designed for easy access to all the functions at once and for comfortable grab for your hand. It is programmed to control all functions and to easily watch telecommunication programs via the **receiver**.

This **receiver** is designed for your convenient use and you can upgrade software at anytime.



✱ **Antenna**

A device that collects and radiates electromagnetic waves.
Includes a cable antenna and a broadband antenna.

✱ **Forward Error Correction (FEC)**

A system of error control for data transmission.

✱ **Frequency**

The number of cycles or events per one second, which is expressed in the unit of Hertz(Hz).

✱ **Intermediate Frequency (IF)**

A frequency to which a carrier frequency is shifted as an intermediate step in transmission or reception.

✱ **Packet Identifier (PID)**

A set of numbers that identifies transport stream packets containing data from a single data stream.

✱ **Transport Stream**

The bit stream formed prior to transmission of signals by combining the video, audio and data streams of one service. It consists of fixed length packets of 188 bytes of data.

Remote Control Unit

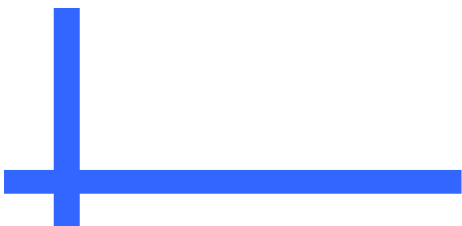
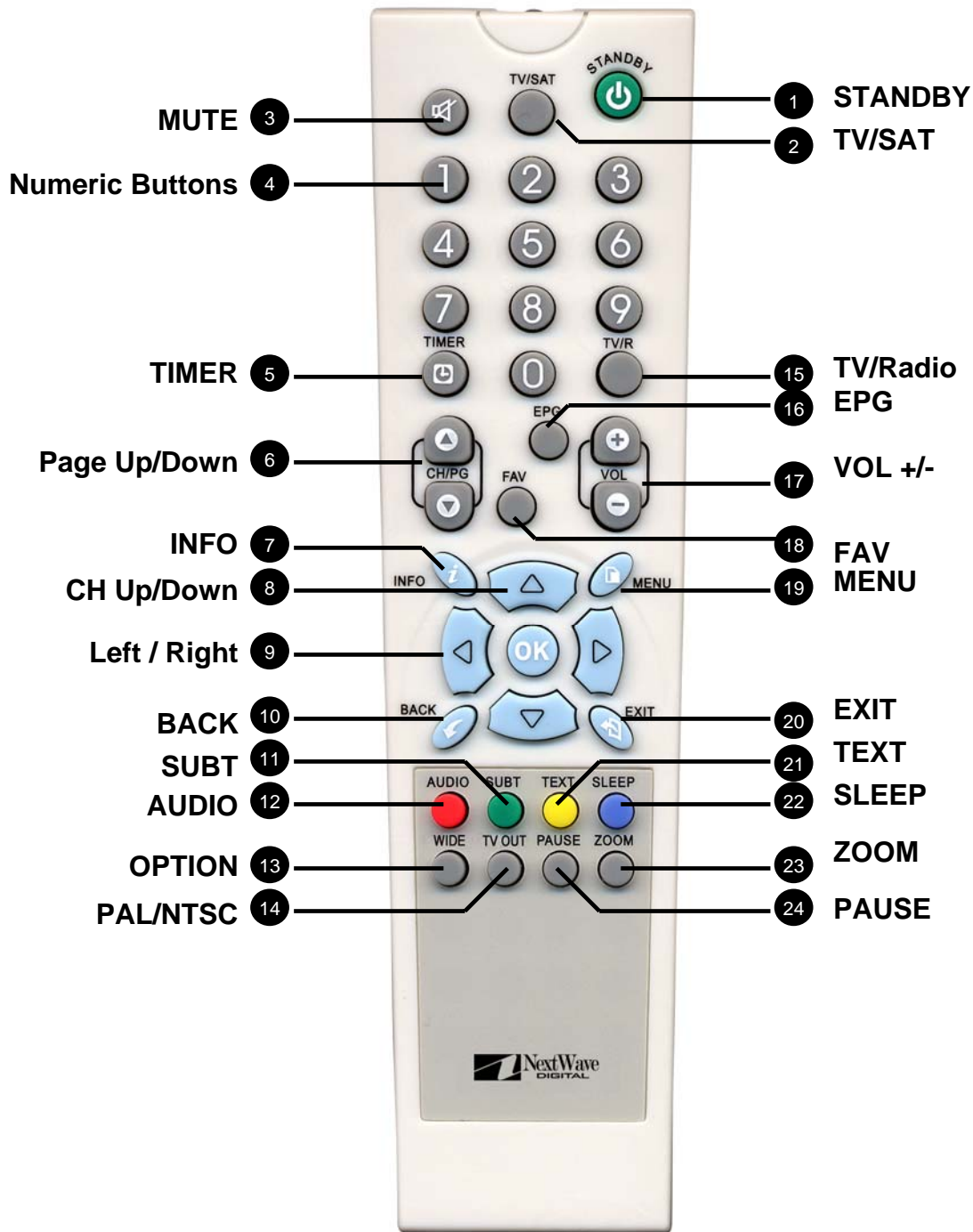





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- 1 STANDBY**
Switches between operation and Standby modes.
- 2 TV/SAT**
Selects TV or Satellite mode.
- 3 MUTE**
Turns sound on or off.
- 4 Numeric Buttons**
Changes channels or selects the menu options.
- 5 TIMER**
Displays the Reservation lists.
- 6 Page Up/Down**
Changes the page of channel lists.
- 7 INFO**
Displays the program information ibox on the screen.
- 8 Channel Up/Down**
Changes channels or items from top to bottom on the menu
- 9 Left/Right**
Changes Left, Right menu & Volume level
- 10 BACK**
Moves back to the previous Step Without saving the changed Information.
- 11 SUBT (GREEN)**
Select the subtitle language for current service
- 12 AUDIO (RED)**
Changes audio mode to left+left, Right+right, and stereo
- 13 OPTION**
Starts Auto search
- 14 PAL/NTSC**
Changes PAL or NTSC TV mode.
- 15 TV/R**
Switches between TV and Radio modes
- 16 EPG**
Electronic Program Guide button
Displays the TV/Radio program guide
- 17 VOL**
Turns up/down volume
- 18 FAV**
Favorite Channel list.
- 19 MENU**
Moves to main menu during TV viewing
- 20 EXIT**
Changes to channel mode without saving the changed information of the menu mode
- 21 TEXT (YELLOW)**
Load the teletext service for current.
- 22 SLEEP (BLUE)**
Selects sleep time and on/off.
- 23 ZOOM**
Selects 2X, 4X zoom function.
- 24 PAUSE**
Pause or continue current picture.

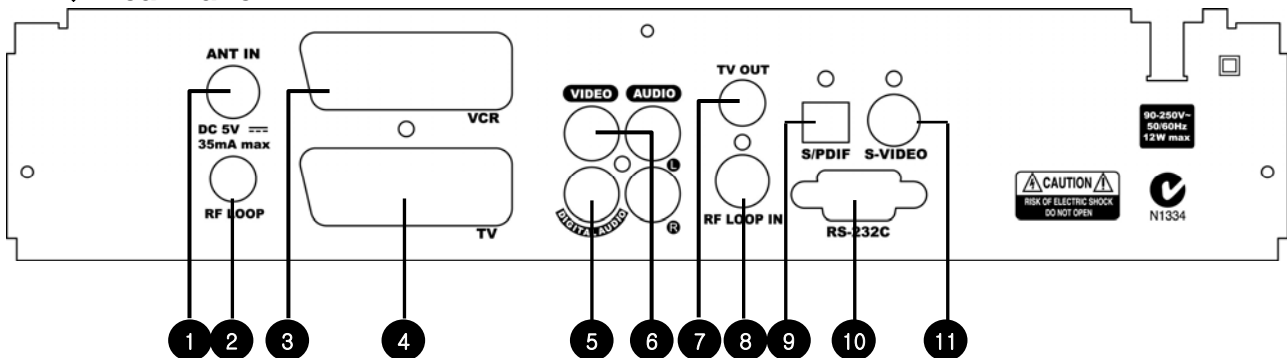
Front panel / Rear Panel

◆ Front Panel



1.  : Turn on & off the power of the receiver.
2. **MENU** : Moves to main menu during TV viewing
3. **OK** : Displays the channel list and selects the item on the menu.
4. **CH▲, CH▼** : Changes channels or items from top to bottom on the menus.
5. **VOL▲, VOL▼** : Turns up/down volume.

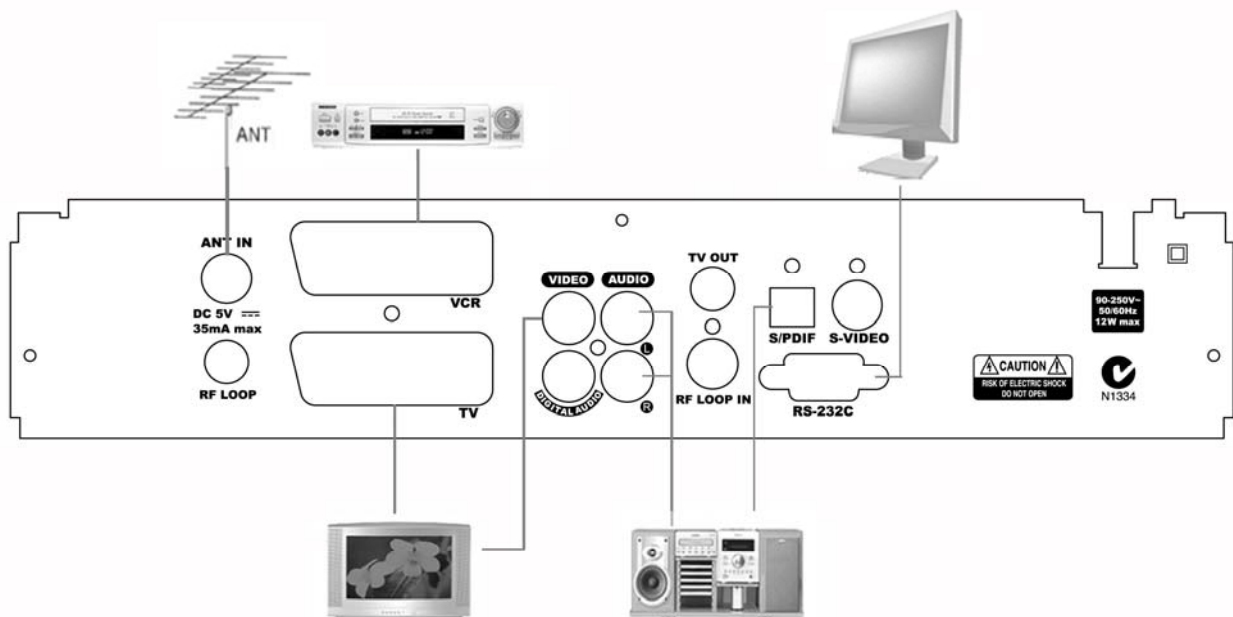
◆ Rear Panel



1. **ANT IN** : Use to connect an Terrestrial antenna.
2. **RF LOOP OUT** : Use to connect a RF signal from this receiver to RF(Ant) input jack on TV.
3. **VCR OUT** : Video/Audio signal from your receiver to VCR.
4. **TV OUT** : Video/Audio signal from your receiver to TV.
5. **DIGITAL AUDIO OUTPUT** : S/PDIF output (Coaxial connector).
6. **VIDEO/AUDIO OUTPUT** : Video/Audio signal from your receiver to VCR, TV, or to an external audio equipment
7. **TV OUT** : Use to connect a RF signal from this receiver to RF(ANT) input jack on TV.
8. **RF LOOP IN** : Use to connect a terrestrial antenna or cable TV signal.
9. **SPDIF** : Digital Audio output (Optic connector).
10. **RS-232C** : Use it when connecting to your PC.
11. **S-Video** : Component Video output.

S.T.B Connection

This manual will explain common ways to connect to the equipment.
If you experience any problem, please contact your sales agency.



- ① Connect "ANTENNA IN" to indoor or roof antenna. If the reception of UHF or VHF channels are not good, please check the UHF and VHF reception ability of the antenna.
- ② Connect one end of the RCA cable to the TV RCA socket on the back of the STB and the other end to the RCA input socket on your TV.

View Mode

1. Channel Info Banner

- ✓ The details of services such as program name, current date, time, teletext, subtitle, TV/RADIO mode, and playing time will be displayed when pressing the “**INFO**” button on your remote control or changing channels.



2. To change channels in View mode

- ✓ Press the channel number you wish to watch.
- ✓ Press “**OK**” button to display channel list already searched.
- ✓ Press the “**CH▲**”, “**CH▼**” button to change channel.
- ✓ Press “**LEFT**”, “**RIGHT**” button to move to all/free/favorite channel list.
- ✓ Press “**OK**” button to select a channel.
- ✓ Press “**BACK**” button to view previously watching channel.

3. Volume Control

- ✓ To increase or decrease volume, use the “**Vol +**”, “**Vol -**” buttons.
- ✓ To temporarily cut off the volume, press the “**MUTE**” button.
- ✓ To cancel mute, press the “**MUTE**” button once again or press the “**Vol ◀**”, “**Vol ▶**” buttons.

4. Useful Function

- ✓ You can change TV/ Radio mode by pressing “**TV/RADIO**” button
- ✓ Adjust audio mode by pressing “**AUDIO**” button

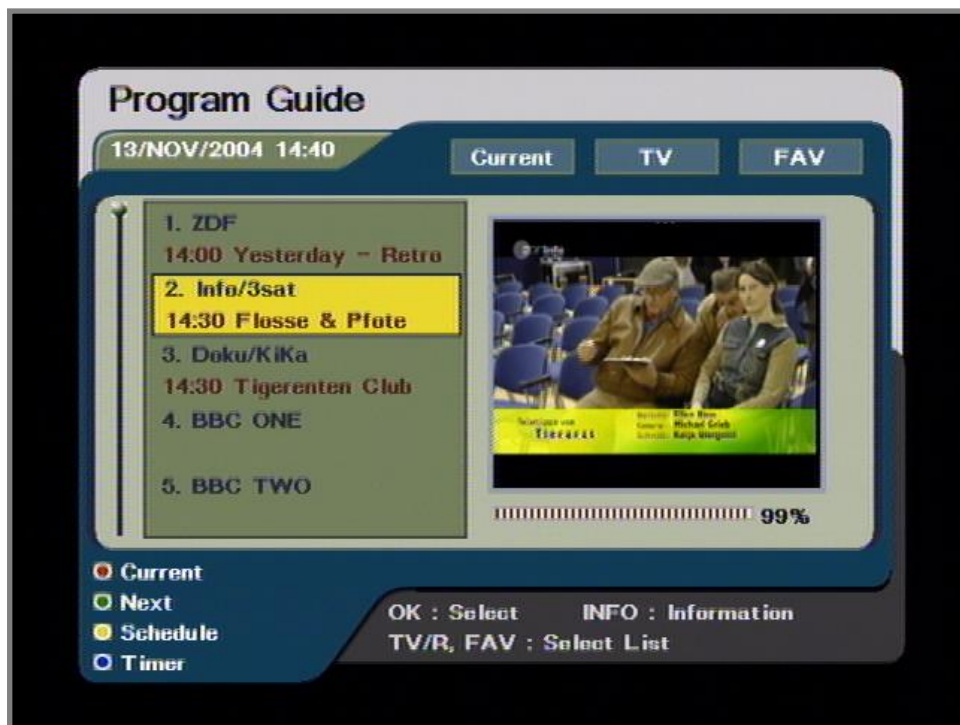
5. Changing Mode (view mode – menu mode)

- ✓ You can change view mode to menu mode by pressing “**MENU**” button.
- ✓ You can change menu mode to view mode by pressing “**EXIT**” button.


6. Program Guide

- ✓ You can get information about each channel by pressing the “**EPG**” button.
- ✓ You can change the channel by pressing the “**▲**”, “**▼**” button.
- ✓ You can select the channel by pressing the “**OK**” button.
- ✓ Press the “**RED, GREEN, YELLOW, BLUE**” button to change other function.

* Please refer to Page 16 for more information.



Main Menu

Plug in the receiver. Then press the “

1. Installation

The installation menu allows you to set the Antenna and various functions, and customize service. After selecting the “Installation” function, press the “OK” button on the Main Menu screen. Use the “CH▲”, “CH▼” buttons on the remote control to select an option and press the “OK” button to proceed to the next stage. To move backwards to the previous stage, press the “Back” or “Menu” button.

1.1 Auto Search

Press the “OK” key and you can select scan mode
Among “ALL/FTA/Scramble” STB will automatically search all TV/Radio programs.

Auto Search can be using the detail scan

1.2 Fast Search

Fast Search can be using the normal scan

1.3 Manual search

You can search each MUX programs.

You have to inserted each parameters manually.

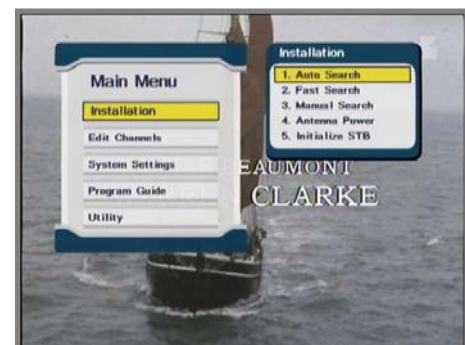
1.4 Antenna power

If you use active antenna(5Vdc IN), STB will supply 5V dc(35 mA max)

1.5 Initailize STB

After pressing the “OK” button, enter the lock code (default value : “0000”).

You can setting for factory reset state.



2.Edit Channels

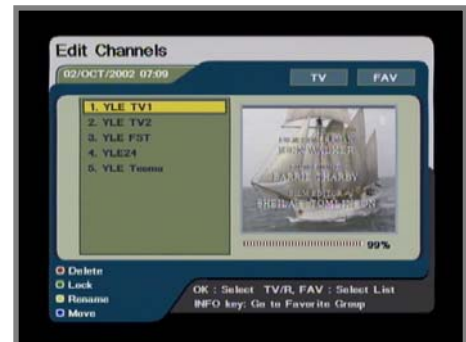
Select **“Edit Channel List”**.

“Edit Channel List” function lets you manage channel list; creating new channel lists, renaming channel list, rearranging the orders, and deleting channel list. The menu can be selected by pressing Red **(R)** Green **(G)**, Yellow **(Y)**, Blue **(B)** buttons.



(R) Delete channels

Select the channel you want to delete by using **“OK”** button and press the **“RED”** button

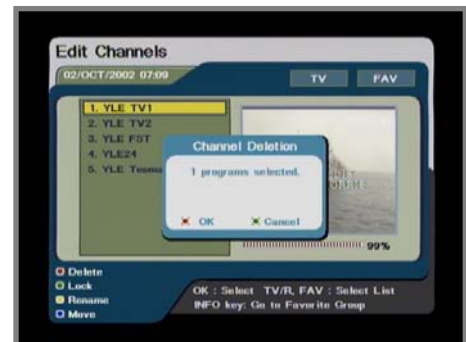


(G) Channel lock

Select the channel you want to lock by using **“OK”** button and press the **“GREEN”** button.

(Y) Rename channels

Select the channel you want to rename by using **“OK”** button and press the **“YELLOW”** button.
A keypad will be displayed renaming the channel.
Enter the name what you wish, press **“OK”** button.
You can easily get the program guide in view mode by selecting **“EPG”** button.



(B) Move channels

Select the channel you want to move by using **“OK”** button and place the cursor on the position where you want to move it by using the **“▲”**, **“▼”** buttons and press the **“BLUE”** button.



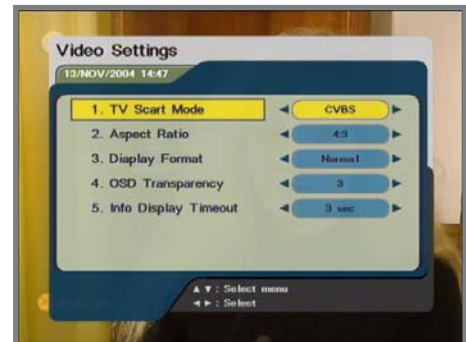
Main Menu

3. System Setting

The “**System Settings**” function sets up various system environments such as Video setting, clock setting and language setting etc.

3.1 Video Settings

- ① **TV Scart Mode** : select your video output format by pressing the “◀”, “▶” buttons.
(RGB/CVBS/YPbPr)
- ② **Aspect Ratio** : Select your screen format.
(4:3 Normal screen , 16:9 wide screen , Auto)
- ③ **Display Format** : Auto/panscan/letter box
- ④ **SD Transparency** : Set the level of OSD transparency, it varies from 0 to 40.
- ⑤ **Info Display Timeout** : To set the displaying time of the information box, you can select the time 0, 1, 2, 3, 4, 5 sec.



3.2 Clock Settings

Sets up hours and minutes of your local time zone.

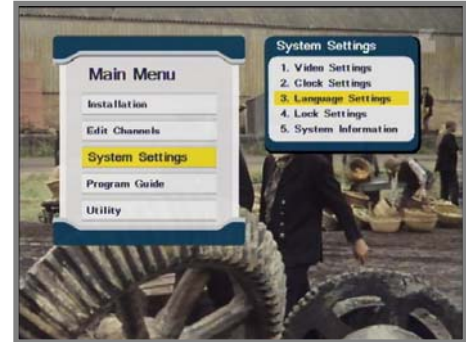
- ① **Summer Time**: Select the summer time mode (ON/OFF) by using the “◀”, “▶” buttons.
- ② **Time Zone** : Select the value using the standardized Information of current service area by pressing the “◀”, “▶” buttons.
- ③ **On timer**: Sets up alarm and wakeup four times a day.
- ④ **On Timer Mode** : Powers off receiver by setting this option with “daily” or “only one time”.



3.3 Language Settings

“**Language Settings**” function lets you select the language to be used for the Main Menu by using the “◀”, “▶” buttons

- ① **Menu Language:** Select language to be used for on Screen Display (OSD) such as the menu and banner. The receiver has 6 optional languages.
- ② **Audio Menu language:** Select your main audio language.

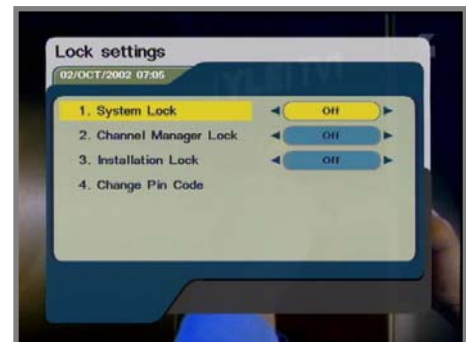
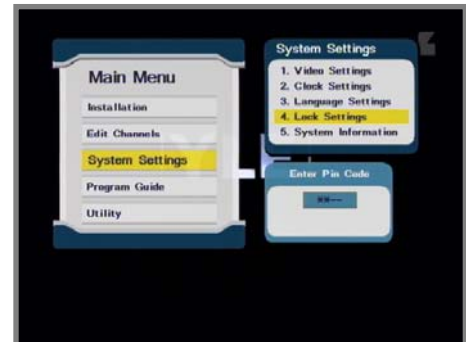


3.4 Lock Settings

“**Lock Setting**” function lets you restrict unauthorized access to you receiver. After pressing the “OK” button in the System Settings menu screen, enter the lock

code (default value : “0000”).

- ① **System Lock:** To lock the receiver, select “**System Lock**” in the “**Lock Setting**” menu and change it to The “ON” mode by using the “◀”, “▶” buttons
- ② **Channel Manager Lock :** To lock the receiver, select “**Channel Manager Lock**” in the “**Lock Setting**” menu and Change it to the “ON” mode by using the “◀”, “▶” buttons
- ③ **Installation Lock :** To lock the receiver, select “**Installation Lock**” in the “**Lock Setting**” menu and Change it to the “ON” mode by using the “◀”, “▶” Buttons
- ④ **Change Pin Code :** Select “**Change Password**” in The “**Lock Setting**” menu and press “OK” button. You will then be asked for a new password. Once you enter a new password, the system will Ask you to re-enter for confirmation. When you have entered a new password twice, the password has been changed. If you forget the password, contact the distributor to recover it.



Main Menu

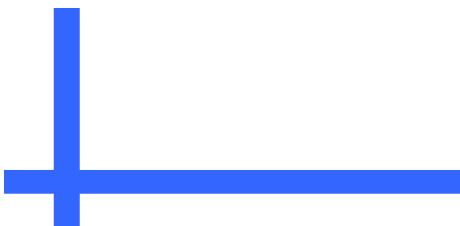
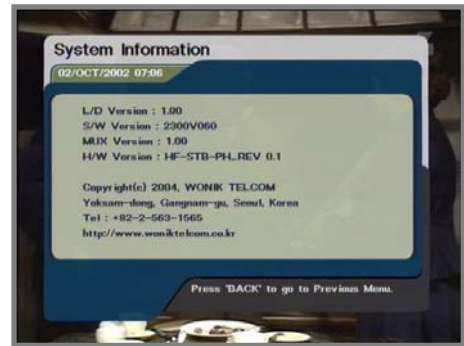


3.5 System Information

Check the system information of the present version.
Select the function “**system information**” and press the “**OK**” button.

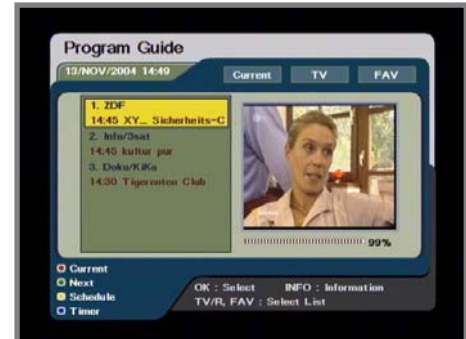
S/W Ver : Shows the software version installed in the system.

H/W Ver : Shows the hardware version installed in the system.



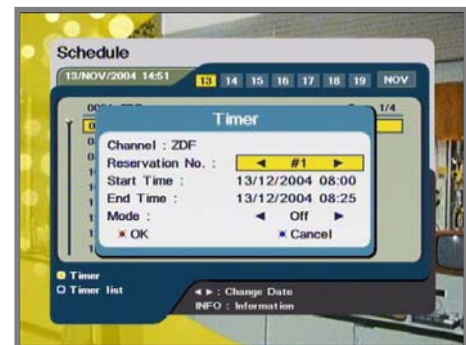
4. Program Guide

The “**Program Guide**” displays TV program info. Select “**Program Guide**” in Main Menu or press the “**EPG**” button while you are viewing a program and the “**Program Guide**” screen will be displayed.



- Ⓜ Showing the now program information
- Ⓞ Showing the next program information
- Ⓨ Schedule : 7 days EPG display
- Ⓟ Timer : Maximum 9 events can be reserved
To reserved the channels you want,
 - 1) Select the reservation No.(1~9) using “◀”, “▶” buttons.
 - 2) Set the Start and End time using numeric Bottons.
 - 3) Select the mode “**Once/Daily**”.
 - 4) Select “**OK**”.

To see the extended information of program, place the cursor on the program where you want by using the “▲”, “▼” buttons and press the “**INFO**” Button.



5. Utility

- ① Calendar





Trouble Shooting

| Possible Causes | Solution |
|--|--|
| No picture but on screen menus appear ! | |
| Terrestrial system is incorrectly installed. | Check all connections and leads, adjust Terrestrial antenna. |
| Faulty TP | Replace TP |
| High levels of signal loss through cables | Use a signal booster or replace cables |
| Faulty connection | Repair connection |
| Remote control not working ! | |
| Batteries exhausted | Check batteries |
| Incorrect function selected | Press correct function key |
| Remote control not pointed at device. | Make sure your remote control is pointing on your device |
| No stereo sound ! | |
| Incorrect cable connecting receiver and TV | Check SCART cable |
| Incorrect volume value | Check volume value |

Specification

| | | |
|-----------------------|---|----------------------------|
| Input | Input Frequency | 51~860MHz |
| | Connector | 1X IEC (Male,Female) |
| | Input Impedance | 75 Ohms |
| | Input Level | -20 dBm to -75 dBm |
| | Maximum Current | Short circuit Protection |
| | Demodulation | OFDM |
| | Bandwidth | 7/8 MHz |
| Video | Decoding | MPEG-II |
| | Output | NTSC/PAL(Auto) |
| | Aspect Ratio | 16:9, 4:3 |
| | Resolution | 720×480(NTSC)/720×576(PAL) |
| | Output Level | 1V _{p-p} / 75Ohms |
| | Output Connector | TV RCA |
| Audio | Decoding | MPEG-I, Layer 2 |
| | Bit Rate | Max, 384Kbps |
| | Output Level | 0 dBm |
| | Output Impedance | 600 Ohms Unbalanced |
| | Output Connector | TV RCA, S-Video , S/PDIF |
| Serial Data | Connector | 9 Pin D-sub |
| | Signals | RS232, 115,200Kbps |
| Front Panel | ON/STDBY key | |
| | MENU/OK/CH UP/CH DOWN/VOL Up/VOL DOWN key | |
| Remote Control | 15 m Max | |
| Main Voltage | 220VAC | |
| Power Consumption | 25Watts Max | |
| Dimension | 300 × 220 × 60 (W×D×H) | |
| Operating Temperature | 0°C to 50°C | |

