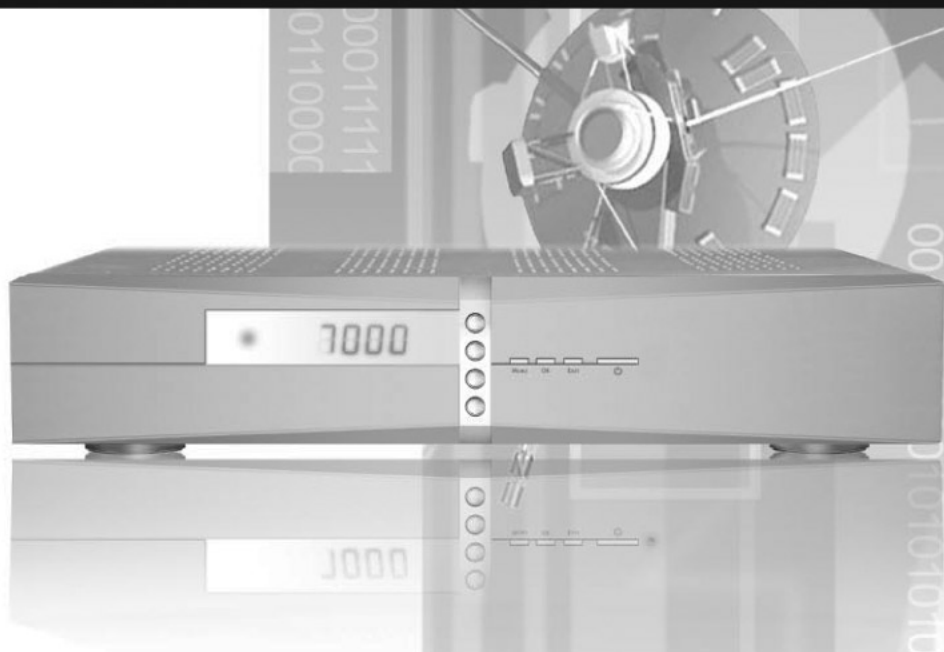


The user's manual



DIGITAL SATELLITE RECEIVER

PLEASE READ THIS USER'S MANUAL CAREFULLY BEFORE INSTALLING THIS RECEIVER

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GENERAL SAFETY

WARNING

Please read the following recommended instructions carefully to avoid the risk of your physical injury before the product is operated.

Do not cover the receiver and keep clear space around the receiver for sufficient

Check the receiver's operation voltage 90-250V AC50/60 Hz.

Keep liquid away from the receiver.

The receiver shall not be exposed to dripping or splashing and no objects that filled with liquid shall not be placed on the receiver.

Unplug the receiver from the wall outlet before cleaning.

Use a soft cloth and a mild solution of washing-up liquid to clean the casing.

Do not block the receiver's ventilation slots which are provided for ventilation and protection from overheating.

Please maintain the receiver in a free airflow.

Do not allow the receiver to be exposed to hot, cold or humid condition.

Do not use any cable and attachment that are not recommended as these may damage your equipment.

Please unplug the receiver from the wall outlet and disconnect the cable between the receiver and the antenna when you will not use it for long time.

Do not remove the cover to reduce the risk of electric shock.

Do not attempt to service the receiver yourself.

Refer to qualified service personnel.

GENERAL SAFETY

*. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions; (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation

NOTE

Note: This equipment has been tested and found to comply with the limit for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential Installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions. May cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. IF this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encourage to try to correct the interference by one or the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected
- Consult the dealer or an experience radio TV technician for help

Change or modification not expressly approved by the party responsible for Compliance could void the user's authority to operate the equipment

GENERAL INFORMATION

I. UNPACKING

Please ensure that the following items are included with the receiver in your packing.

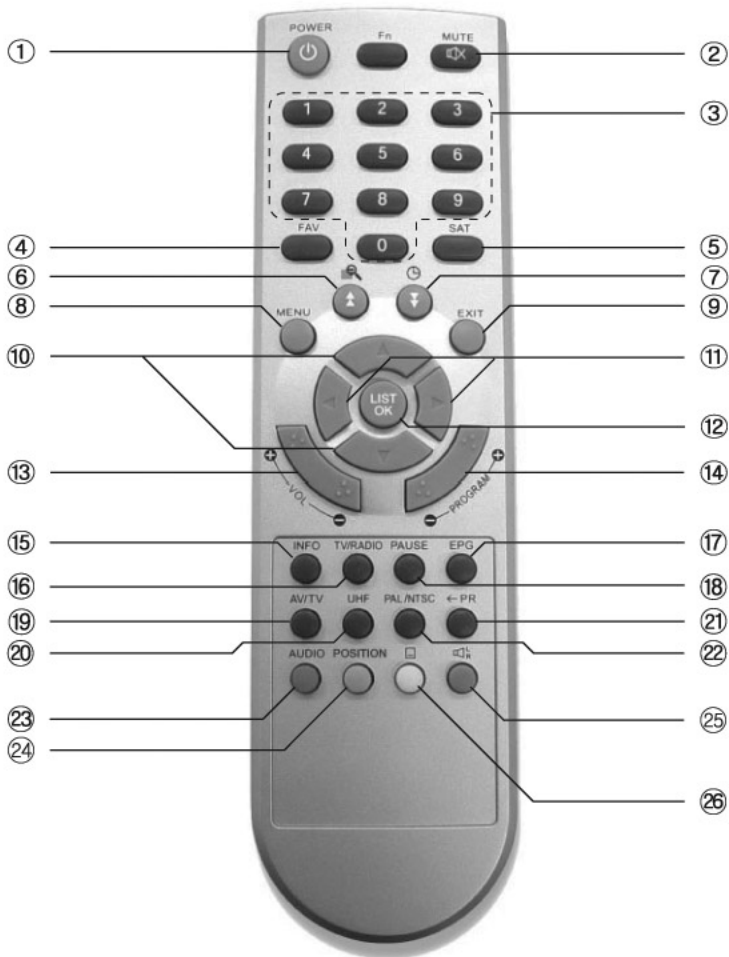
- 1) Remote Control Unit (RCU)
- 2) Batteries (2EA)
- 3) User's Manual

II. FEATURES

- Fully Compliant to MPEG2 and DVB
- 2 Slots common interface for Viaccess, Irdeto, Cryptoworks, Nagravision, Conax, Mediaguard and etc. (Only for CI Model)
- C/KU band control for each antenna
- LNB Tone Switch 22KHz mode On/Off
- LNB Switch 0/12V mode selection
- Multi-LNB controlled by DiSEqC 1.0, 1.2 and usals
- 5000 channels storable
- PAL/NTSC automatic conversion
- Automatic search for newly added transponder (Network Auto Search)
- Automatic searching channel and moving reserved channel
- PIG (Picture In Graphic)
- Easy and rapid software upgrade through RS-232 port
- Teletext and subtitle
- EPG (Provider Electronic Program Guide)
- S/PDIF Output (Digital Audio Output)
- Supporting 256 colors

GENERAL INFORMATION

III. REMOTE CONTROL UNIT (RCU)



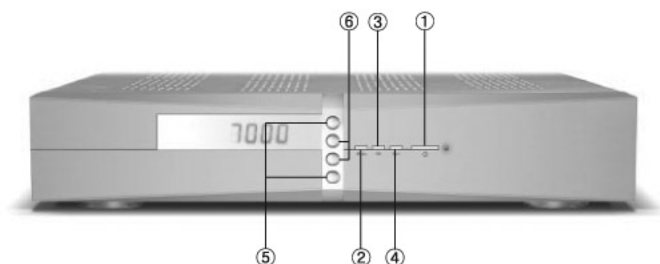
GENERAL INFORMATION

III. REMOTE CONTROL UNIT (RCU)

- | | |
|---|---|
| ① POWER (⏻) | Switches the receiver between operation and standby mode. |
| ② MUTE (🔇) | Enables or disables the audio. |
| ③ Numeric buttons | Selects the TV or Radio service channels and individual menu |
| ④ FAV | Toggles the selected favorite mode |
| ⑤ SAT | Toggles the selected satellite list. |
| ⑥ ▲ (🔍) | Moves up a page in the channel list. (Selects zoom in/out) |
| ⑦ ▼ (🌙) | Moves down a page in the channel list. (Selects sleep time mode) |
| ⑧ MENU | Displays the main Menu on screen. |
| ⑨ EXIT | Returns to the previous menu or normal viewing mode from a menu. |
| ⑩ ▲ ▼ | Changes channels or moves to the item in the menu. |
| ⑪ ◀ ▶ | Adjusts the volume or moves to left or move item in the menu. |
| ⑫ OK / LIST | Executes the selected item and displays channel lists when you watching a channel. |
| ⑬ V+/V- | Turns volume up or down |
| ⑭ P+/P- | Changes channels up or down on normal mode |
| ⑮ INFO | Displays the program information box on the screen and edit the name of favorite channel list |
| ⑯ TV/RADIO | Switches between TV and Radio. |
| ⑰ EPG (Electronic Program Guide) | Displays the TV or Radio program guide. |
| ⑱ PAUSE | Pauses the playing picture or go to normal mode. |
| ⑲ AV / TV | Selects the TV or AV mode. |
| ⑳ UHF | Switches to UHF tuning mode. |
| ㉑ ← PR | Selects the previously viewed channel. |
| ㉒ PAL/NTSC | Switches PAL or NTSC mode. |
| ㉓ Audio | Changes the audio languages. |
| ㉔ Position | Displays position bar on the screen to adjust the antenna. |
| ㉕ 🔊 | Selects the sound mode (LEFT / RIGHT / STEREO). |
| ㉖ ☐ | Enables subtitle and teletext mode. |

GENERAL INFORMATION

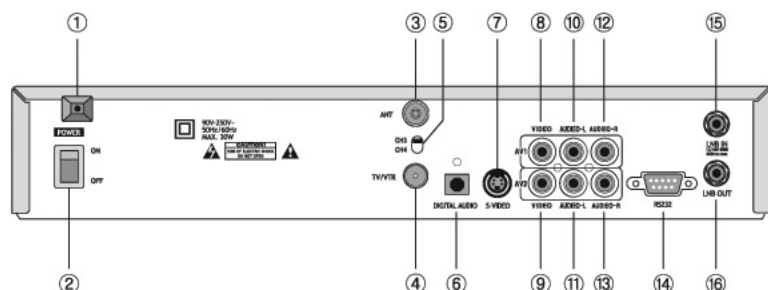
IV. FRONT PANEL



- | | |
|-----------------------|---|
| ① POWER | Switches the receiver power On and Standby. |
| ② MENU | Gets into Main Page screen. |
| ③ OK | Executes the selected item. |
| ④ EXIT | Returns to the previous menu or normal viewing mode from Main Page. |
| ⑤ VOL Up/ Down | Volume up / down or selects the item of Menu. |
| ⑥ CH Up / Down | Channel up / down or selects the item of Menu. |

GENERAL INFORMATION

V. REAR PANEL



- | | | |
|----|----------------------|---|
| ① | POWER SUPPLY | 90 - 250V AC, 50 / 60Hz, 30W. |
| ② | POWER BUTTON | Turns On / Off. |
| ③ | ANT | Connects to TV antenna input. |
| ④ | TV / VCR | Connects to TV or VCR. |
| ⑤ | CH 3/4 SWITCH | Default is CH3, Select Up/Down key to choose CH4. |
| ⑥ | DIGITAL AUDIO | Output for Connection to a digital amplifier. |
| ⑦ | S-VIDEO | Connects to the S-VHS jack of TV or VCR. |
| ⑧⑨ | VIDEO | Connects VIDEO to the TV or other equipment. |
| ⑩⑪ | AUDIO-L | Connects to AUDIO LEFT to TV or other equipment. |
| ⑫⑬ | AUDIO-R | Connects to AUDIO RIGHT to TV or other equipment. |
| ⑭ | RS 232 | Connects to personal computer for software upgrade. |
| ⑮ | LNB IN | Connects to satellite antenna cable. |
| ⑯ | LNB OUT | Connects to another LNB. |

INSTALLING EQUIPMENT

This section explains several ways of connecting the receiver to your existing TV, VCR and Hi-Fi system.

You can choose one of the following setups that we recommend.

If you have any problem or need help, consult your dealer or service provider.

Please, ensure that the following items are included with the receiver in your packing.

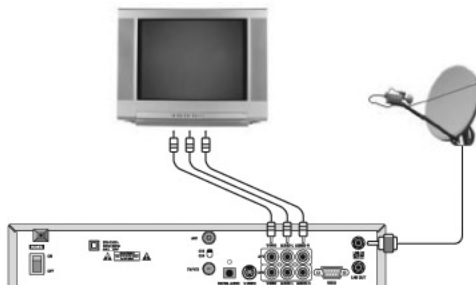
I. CONNECTING THE RECEIVER TO TV AND VCR WITH CINCH CABLE

I-1. Connecting the receiver to TV with the CINCH cable

Connect one end of the CINCH cable to the Audio-R (Red), the Audio-L (White) and the Video (Yellow) socket on the rear panel of the receiver and the other end to the Audio-R (Red), the Audio-L (White) and the VIDEO (Yellow) socket on the TV.

I-2. Connecting the receiver to VCR with the CINCH cable

Connect one end of the CINCH cable to the Audio-R (Red), the Audio-L (White) and the Video (Yellow) socket on the rear panel of the receiver and the other end to the Audio-R (Red), the Audio-L (White) and the VIDEO (Yellow) socket on the VCR.



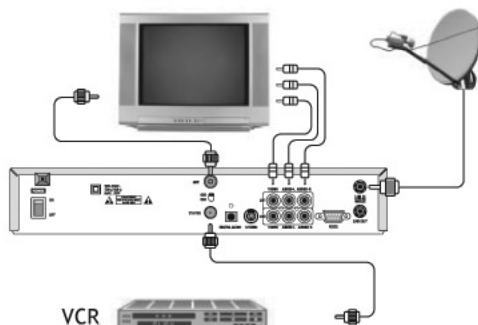
INSTALLING EQUIPMENT

III. CONNECTING THE RECEIVER TO TV AND VCR WITH RF CABLE

III-1. Connecting the receiver to TV and VCR with RF cable

Connect one end of the RF cable to the TV/VCR socket on the rear panel of the receiver and the other end to the ANT IN on the TV.

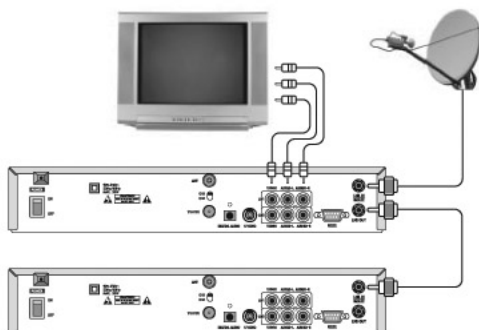
Connect one end of the RF cable to the ANT socket on the rear panel of the receiver and the other end to the ANT OUT on the VCR.



IV. CONNECTING THE RECEIVER TO ANOTHER SATELLITE RECEIVER

IV-1. Connecting the receiver to another satellite receiver

Connect the satellite cable to the LNB IN socket on the rear panel of the receiver. And then connect one end of the LNB cable to the LNB out socket on the receiver and the other end to the LNB IN socket on another receiver.



MENU GUIDE

MAIN MENU

Press the MENU button on the Remote Control Unit to open Main Page on the screen. Main Page will be displayed.

1. You can move into the main menu pressing ◀/▶ on the Remote Control Unit.
2. Press OK to confirm your selection.
3. Press MENU or EXIT to return to previous menu.
4. Press Yellow button on the Remote Control Unit to display the information of product.

- I. PROGRAM GUIDE
- II. CHANNEL MANAGER
- III. USER INSTALLATION
- IV. SYSTEM SETTING
- V. COMMON INTERFACE



MENU GUIDE

I. PROGRAM GUIDE

Program Guide supplies the titles and times of all available programs.

1. Select Program Guide in the Main Page with ◀/▶ and press OK.

Or press EPG on your Remote Control Unit.

I-1. Program Guide of the current channel daily and weekly

1. The information of present program displays on the screen.
2. If you want the information of the next or weekly program, you can select it using ▲/▼/◀/▶.



I -2. Program Guide of the different channels daily and weekly

1. The information of present program displays.
2. If you want the information of the different channels, press Green button on your Remote Control Unit.
3. You can select channel using ▲/▼ and press OK.
4. If you want to see the detail information of the selected channel, press Yellow button.



Note. Program Guide information may not be displayed if the selected channel does not provide it.

MENU GUIDE

II. CHANNEL MANAGER

This section may help you to organize channels according to your preference.

1. Select Channel Manager in the Main Page with ◀/▶ and press OK.
2. TV Channel Manager Page displays on the screen.
3. Select the mode that you want using ◀/▶ ▲/▼ button.

II-1. Favorite Channel

II-2. Rename

II-3. Move

II-4. Lock

II-5. Delete



II-1. FAVORITE CHANNEL

1. Using ◀/▶ go to the favorite mode then press Red button to choose Favorite 1-8.
2. Press OK on the channel that you want to add or delete.
3. 😊 will be marked at the end of the selected channel name bar. To delete press OK again.
4. Press Green button to choose the rename of Favorite.
5. If you want to view Current channel of Cursor press blue button.
6. Press EXIT to go to Main Page.



MENU GUIDE

II. CHANNEL MANAGER

II-2. RENAME

1. Select Rename and press OK to go to rename mode.
2. Select the channel that you want to rename.
3. Keypad Dialog displays on the screen when you press OK.
4. Edit the name entering number and word in the Keypad Dialog.
5. Enter OK in the Keypad Dialog to go to the previous menu after editing the name.
6. Press EXIT to go to Main Page.



II-3. MOVE

1. Select Move and press OK to go to Move mode.
2. Select channels which you want to move by pressing OK key.
3. Move Cursor that you want to place on then press Red button.
4. Press EXIT to go to Main Page.



II-4. LOCK

1. Select Lock and press OK and then enter password to go to Lock mode.
2. Select the channel that you want to lock and press OK.  will be marked at the end of the selected channel name bar.
3. Press OK again if you want to delete  in the favorite channel list.
4. Press EXIT to go to Main Page.

