

 **UltraPlus®**
Digital Satellite Receiver

Digital Satellite Receiver

USER'S MANUAL

680 platinum

Digital Satellite Receiver



 **UltraPlus®**

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Safety Precautions

1. Important Safety Instructions

- ① Read these instructions.
- ② Keep these instructions.
- ③ Heed all warnings.
- ④ Follow all instructions.
- ⑤ Do not use this apparatus near water.
- ⑥ Clean only with dry cloth.
- ⑦ Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- ⑧ Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- ⑨ Do not reverse the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- ⑩ Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- ⑪ Only use attachments/accessories specified by the manufacturer.
- ⑫ Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



- ⑬ Unplug this apparatus during lightning storms or when unused for long periods of time.
- ⑭ Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING

TO PREVENT FIRE OR SHOCK HAZARD DO NOT EXPOSE THE SET TO RAIN OR MOISTURE.

2. Notice

- ① These serving instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.
- ② The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.
- ③ The mains plug is used as the disconnect device. The disconnect device shall remain readily operable.



TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER(OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The Lightning Flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of un-insulated "dangerous voltage" within the product enclosure that may be of sufficient magnitude to constitute a risk of shock to persons



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product



Before You Begin

1. Main Features

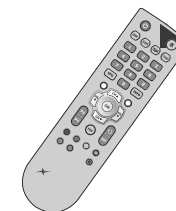
- ✓ Dual USB 2.0 Host Support(MP3 Player & JPEG Viewer)
- ✓ MPEG-II Digital & Fully DVB Compliant
- ✓ True Blind Scan
- ✓ Multi-LNB Controlled by DiSEqC Control Version 1.0, 1.1, 1.2 and USALS Compatible
- ✓ Multi-Satellite Search
- ✓ On-Screen Display with 65535 Color Full Resolution
- ✓ Favorite Channel Groups
- ✓ Powerful Channel Control by Favorites, Lock, Skip, Move and Delete
- ✓ Channel Sorting by Alphabet, Transponder and CAS
- ✓ Multi-language Supported (OSD & Menu)
- ✓ Teletext / Sub Title Supported
- ✓ Maximum 10,000 channels Programmable
- ✓ Support Extended 8-day EPG
- ✓ Multi-picture Display
- ✓ Parental Lock / Receiver Lock
- ✓ CVBS Video & Audio Output via RCA
- ✓ Component Y/Pb/Pr Output via RCA
- ✓ S-VHS Video Output
- ✓ Optical & Coaxial Output for Digital Audio
- ✓ Software & Channel Data Upgrade via RS-232 & USB
- ✓ Smart Card Reader (Option)

2. Accessories

User's manual



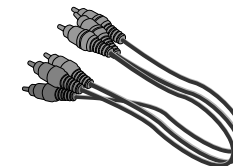
Remote Control



AAA size Batteries X 2



RCA Cable

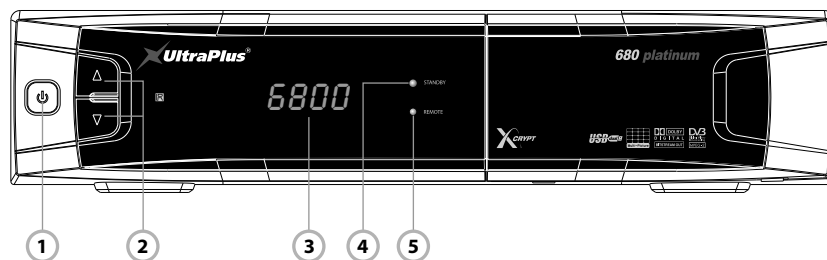


NOTE

If any accessories listed above are missing, contact the sales representative where you purchased this unit

Hardware Description

1. Front Panel Configuration



1. POWER Button

Press to switch between **STANDBY** and **POWER ON** modes.

2. CH Up/Down Button

Press to change services in normal mode, to move the highlighted-bar **UP/DOWN** in menu mode.

3. DISPLAY

The 4-digit shows service number or menu state in normal mode, shows local time in standby mode.

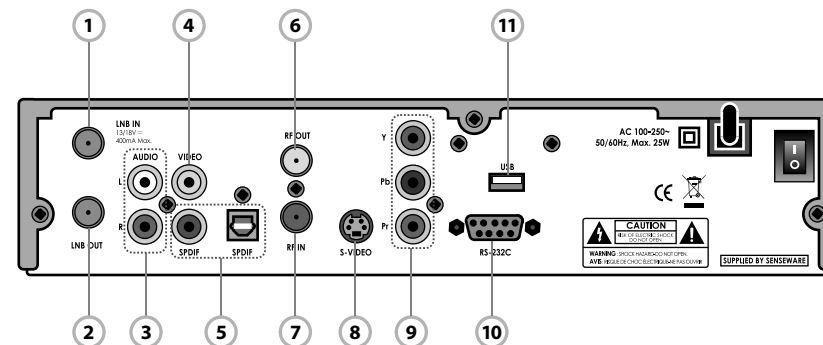
4. STANDBY Indication LED(RED)

The LED lights on in standby mode.

5. REMOTE Indication LED(GREEN)

The LED lights on when a key on the Remote Control is pressed.

2. Rear Panel Configuration



1. LNB IN : Use to connect a satellite antenna.

2. LNB OUT : Use it when connecting to another STB for loop-through.

3. AUDIO L/R : Use to connect audio left, right of TV or VCR.

4. VIDEO : Use to connect to video input of TV or VCR.

5. SPDIF : Use to connect SPDIF to digital audio equipment.(Coaxial or Optic)

6. RF OUT : Use to connect to RF(ANT) input jack of TV.

7. RF IN : Use to connect a general Aerial Antenna.

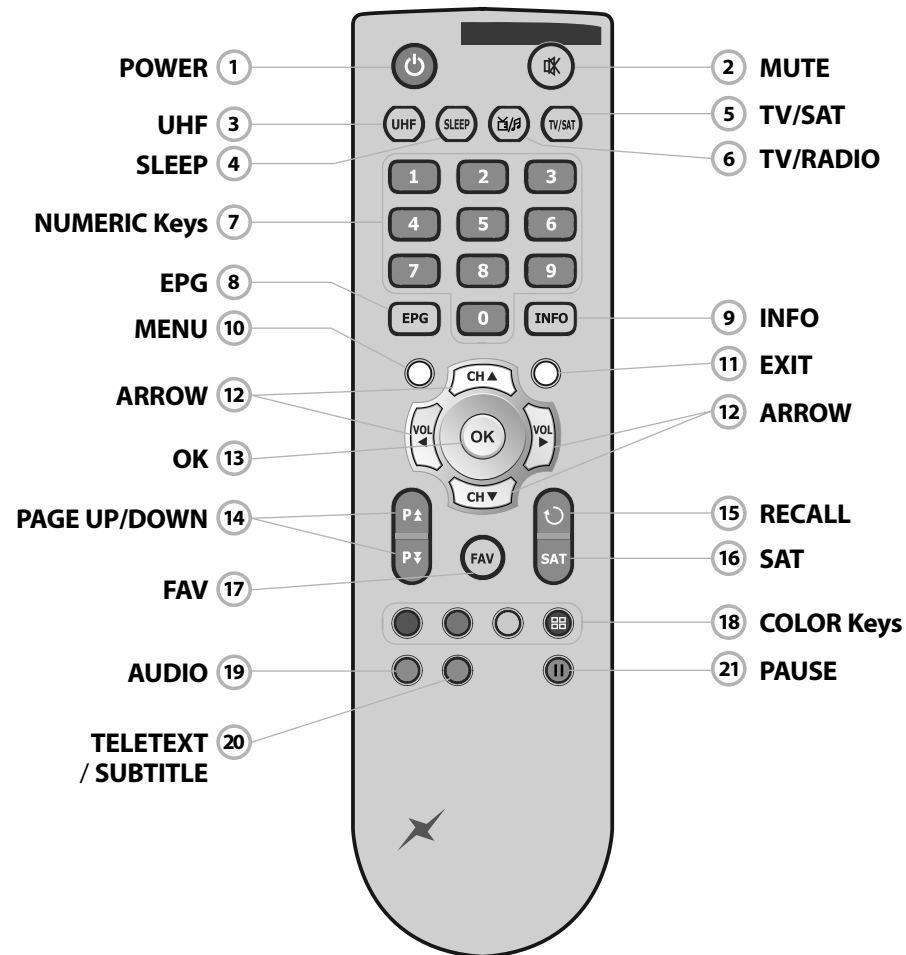
8. S-VIDEO : Use to connect to S-VHS video input on your TV or VCR.

9. Y/Pb/Pr : Use it when connecting component video to TV.

10. RS-232C : Use it when connecting to your PC.

11. USB : Use to connect to external USB device

3. Remote Control Unit



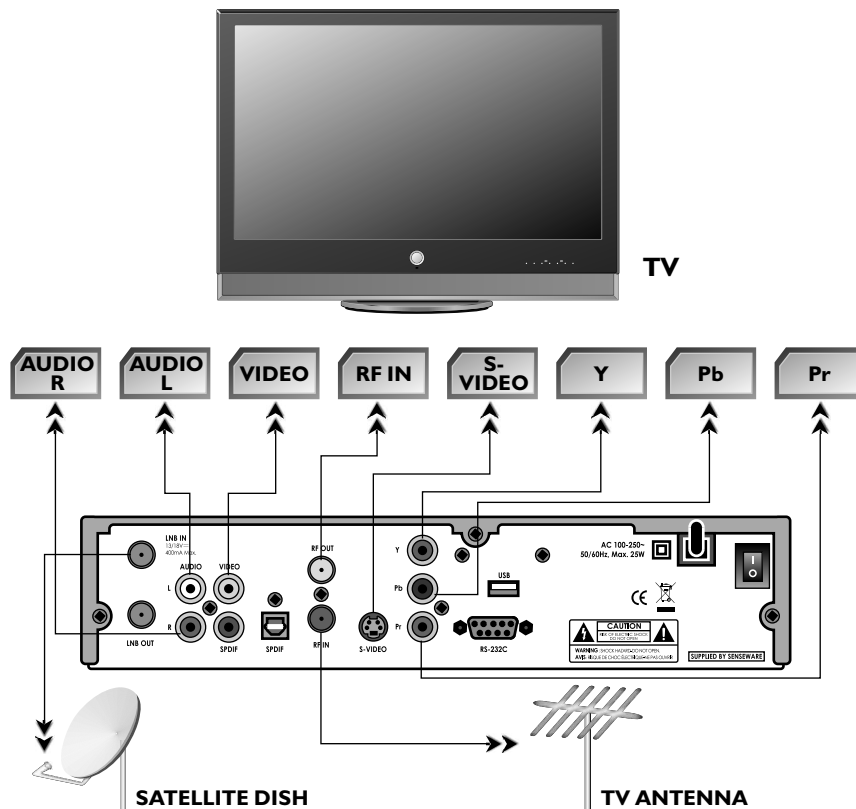
- 1. POWER:** Turns the STB On/Off.
- 2. MUTE:** Turns the sound On/Off.
- 3. UHF:** To adjust UHF service.
- 4. SLEEP:** To adjust sleep timer.
- 5. TV/SAT:** Toggles the TV output source between the satellite input and UHF/VHF antenna input.
- 6. TV/RADIO:** Switches between TV and Radio.
- 7. NUMERIC Keys:** Controls the numerical operation and service numbers directly.
- 8. EPG (Electronic Program Guide):** Show the TV/Radio program guide.
- 9. INFO:** Shows the information of the current program. If you press one more, detail information box will be shown.
- 10. MENU:** To enter the main menu or to exit from the menu.
- 11. EXIT:** Return to the previous menu or Exit from pop-up window.
- 12. ARROW:** Moves the highlight bar for selecting options on the menus. And this key is used to change services(**CH▲** / **CH▼**) or change audio volume (**VOL◀** / **VOL▶**).
- 13. OK:** the service list in non-menu mode and select an item or confirm in menu mode.
- 14. PAGE UP/DOWN:** Move to the next or previous page if more than one page are available.
- 15. RECALL:** Moves to previous service.
- 16. SAT:** To change the satellite groups.
- 17. FAV:** To change the favorite groups.
- 18. COLOR Keys:** Used for special function in menu.
BLUE key is used to display multiple pictures.
- 19. AUDIO:** To show Audio Track or Sound Mode
- 20. TELETEXT/ SUBTITLE:** To show the digital teletext or multilingual subtitle.
- 21. PAUSE:** key is used to pause the video. Press once more to resume the video.

NOTE When inserting batteries, make sure that the polarity (+/-) is correct.

Connections Diagram

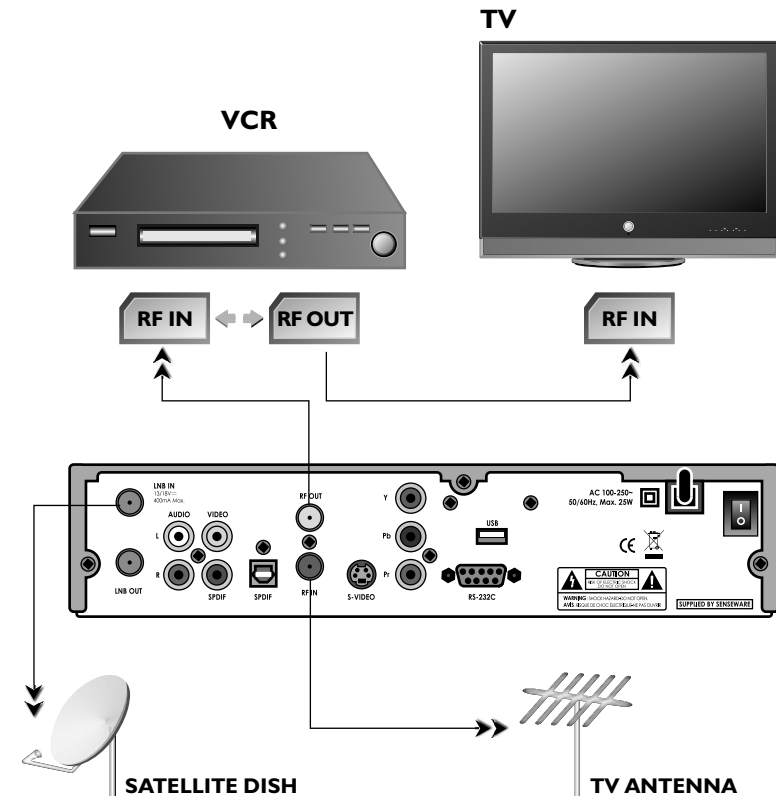
1. Receiver to TV with RF

- ① Connect the satellite antenna cable to LNB IN.
- ② Connect the TV antenna to RF IN.
- ③ Connect the RF OUT to RF IN of TV.
- ④ Connect the VIDEO and AUDIO L, R to VIDEO IN and AUDIO L, R IN of TV.
- ⑤ Connect the S-VIDEO to S-VIDEO IN of TV (If necessary).
- ⑥ Connect the Y, Pb, Pr to Component input(Y, Pb, Pr) of TV (If necessary).



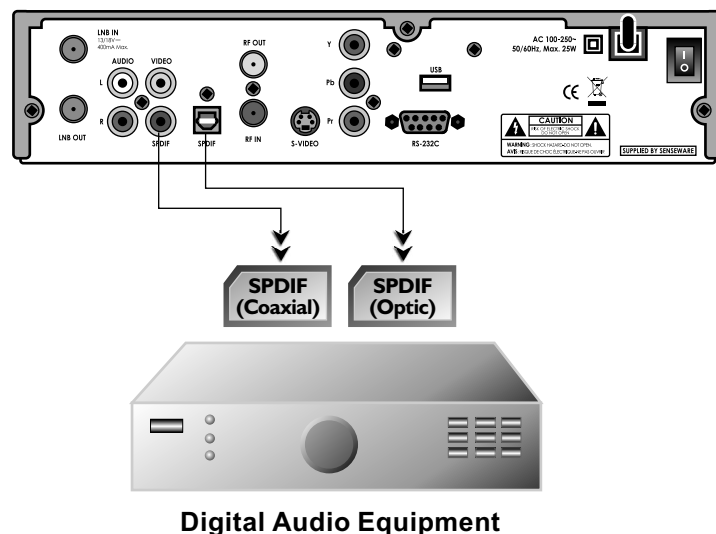
2. Receiver to TV and VCR

- ① Connect the satellite antenna cable to LNB IN.
- ② Connect the TV antenna to RF IN.
- ③ Connect the RF OUT to RF IN of VCR.
- ④ Connect RF OUT of VCR to RF IN of TV.
- ⑤ Connect other jacks to the appropriate jacks of TV refer to above section, **1. Connect to TV.**



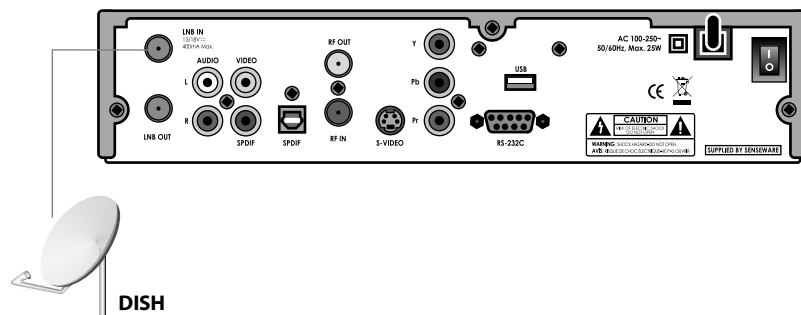
3. Receiver to Digital Audio Equipment

- ① To get better quality audio, you can use digital audio via coaxial or optic cable. If you have a digital audio equipment, connect SPDIF to Digital audio input of the equipment. (Coaxial or Optic)
- ② Connect other jacks to the appropriate jacks of TV or VCR refers to above section, 1. Connect to TV and 2. Connect to TV and VCR.

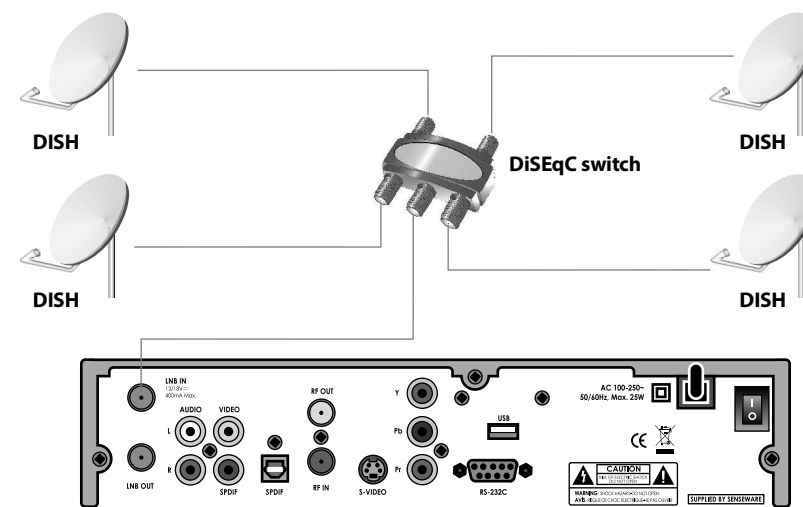


4. Connecting to Dish

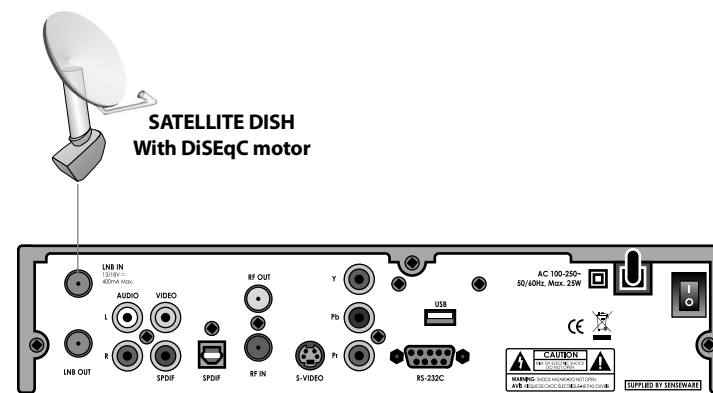
- ① Using Single DISH : Connect the Satellite Antenna cable to LNB IN.



- ② Using DiSEqC switch : Connect the cable of DiSEqC switch to LNB IN.



- ③ Using DiSEqC motor : Connect the cable of DiSEqC motor to LNB IN.



Guide of Functions

1. Select Service

To select the desired service, you can use below methods.

1.1 Using UP/DOWN buttons

You can navigate between services using **UP/DOWN** buttons. Whenever you press the **UP (DOWN)** button, current service will be changed to next(previous) service. You have to press **UP** or **DOWN** button until find the service you want.

1.2 Using NUMERIC buttons

If you know the service number, enter the number directly using **NUMERIC** buttons.

1.3 Using Service List

To select the desired service in the service list, you should firstly display the service list using **OK** button. Use **ARROW** buttons to select a desired service and press **OK** button.

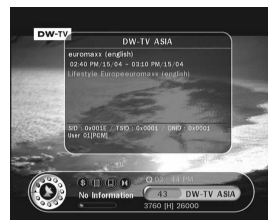
In the Service List window, you can also use additional functions with **COLOR** buttons.

Press **RED** button, you can sort the services by Alphabet, Transponder, Group and CAS. Press **GREEN** button, you can add the service to one of 10 favorites.



2. Information Window

If, you want to view the current service information window press **INFO** button. Then the Information window will appear. This Information window is automatically displayed when changing services. This window contains many items such as service number, service name, scrambled service, Teletext, subtitle, Dolby Digital symbol, duration time and so on. Press **INFO** button once more, you can get more detailed information.



3. Multi-Picture Display

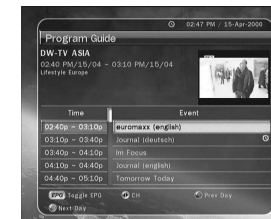
Press the **BLUE** button to display multiple pictures and **RED** button display 9 or 12 multiple pictures option.



4. Electronic Program Guide(EPG)

Electronic Program Guide (EPG) helps you navigate through all the possible viewing options.

The EPG supplies information such as program listings, start/end times and detailed information about the program listings for all available services. The availability and amount of these program details will vary, depending on the particular broadcaster.



- 1 If you press **EPG** button, EPG menu will be displayed.
- 2 Press the **ARROW** buttons to move to other service or to see previous/next guide.
- 3 Press **EPG** button once to view full EPG (Entertainment Program Guide) and press button twice to view only selected EPG. Press button consecutively to go back and forth.
- 4 Press **GREEN** button to view next day EPG and **RED** button to view EPG for previous day.
- 5 Select the program by using the **ARROW** buttons then set the timer by pressing **OK**.

5. Satellite List

Select the **SAT** (satellite) button to view all satellite listings. Scroll through the various satellites using the **ARROW** buttons, and select the appropriate satellite by pressing **OK**.

6. Favorite Group

Select the **FAV** (favorite) button to view all favorite groups. Scroll through the various favorite group using the **ARROW** buttons, and select the appropriate satellite by pressing **OK**.

7. Volume Control

- 1 To control audio volume while you are watching a service, press **LEFT/RIGHT** button to control volume.
- 2 Volume control bar will be appeared in top of the screen.
- 3 When necessary, press **MUTE** button to turn audio sound on/off.

8. PAUSE

The **PAUSE** button is used to freeze the video. Press **PAUSE** button once more to resume the video.

9. Sub-Title

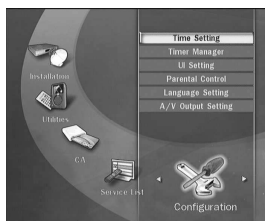
To display Sub-title press **SUBTITLE** button on your remote control. Sub-title is based on the transmitted data.

10. Audio Track

You can select the audio language list by pressing the **AUDIO** button. Use the **ARROW** buttons to choose the audio track from the list than press **OK** to change.

Guide of Main Menu

To display the menu, press **MENU** button at any time. You can select the sub menu using **ARROW** buttons. The selected sub menu becomes highlighted. When you have selected the sub menu you want, press the **OK** button. If you want to return to the previous menu, press the **EXIT** button. And if you want to exit from the menu, press the **MENU** button.



1. Configuration

1.1 Time Setting

① **Time Setting**: To set the current time, you can use two modes; **Auto** and **Manual**.

Auto Time Setting

Current time is automatically updated by the GMT from live signal.

- **Local Offset** : Enter the offset value using the standardized information of current service area.
- **Daylight Saving** : If you want to apply daylight saving, select the country using **ARROW** buttons.

Manual Time Setting

- **Date** : Enter the calendar date by using **ARROW** buttons then press **OK** to finish.
- **Time** : Enter the time by using the **NUMERIC** buttons.



② **Clock Mode** : Select the type of clock display(12 Hours or 24 Hours) using **ARROW** buttons.

③ **Wake Up Mode** : Enter the time for the receiver to automatically power ON.
And you can choose one of Wake Up Mode as 'off' or 'Once' or 'Daily' or 'Weekly'.

- **Wake Up Date** : Select the date when STB is turn on. Press **OK** button to display calendar.
- **Wake Up Days** : Select a day of the week when STB is turn on.
- **Wake Up Time** : Enter the turn-on time of STB using **NUMERIC** buttons.
- **Wake Up Service** : Select the service when STB is turn on. Press **OK** button to display service list.

④ **Sleep Mode** : Enter the time for the receiver to automatically switch OFF and go to standby mode.
And you can choose one of Sleep Mode as 'off' or 'Once' or 'Daily' or 'Weekly'.

- **Sleep Date** : Select the date when STB is turn off. Press **OK** button to display calendar.
- **Sleep Days** : Select a day of the week when STB is turn off.
- **Sleep Time** : Enter the turn-off time of STB using **NUMERIC** buttons.

1.2 Timer Manager

Insert new timer entry or modify exist timer entry.

① **To add new timer entry** :

Press **GREEN** button. Timer Edit window will be popup. You can specify start date, time, duration and service for reservation. And you can choose one of Timer Mode as 'Once' or 'Daily' or 'Weekly'.

② **To modify exist timer entry** :

Choose one timer entry you want to modify and press **OK** button.

③ **To delete exist timer entry** :

Choose one timer entry you want to delete and press **RED** button.

If you reserve one or more event through the EPG menu, the reserved event(s) will be added to Timer Manager automatically.



1.3 UI Setting

① **OSD Transparency** : Set the OSD transparent type.

② **Info Box Position** : Set the information window position.

③ **Info Box Display Time** : Set the display duration of information window displayed on the screen after changing services.

④ **Volume Bar Display Time** : Set the display duration of volume bar displayed on the screen after changing volume.



1.4 Parental Control

Access to services and programs is controlled by a 4-digit secret code that is defined by the user. Whenever you attempt to access parental control menu, the pop-up window will instruct you to input a PIN code.(If necessary, you can change it.)

NOTE The default PIN code is '0000'

① **Censorship** : Set the parental guidance rating of highlighted censorship classification. The parental level is given as age-based numbers.

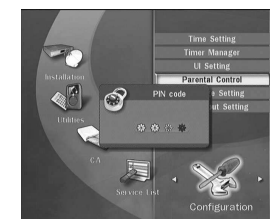
② **Change Pin code** : To change your PIN code, input the new PIN code using **NUMERIC** buttons. To verify the new PIN code, input the new PIN code again.

③ **System** : Set the accessibility of system.

④ **Installation** : Set the accessibility of Installation menu.

⑤ **Configuration** : Set the accessibility of Configuration menu.

⑥ **Edit Service** : Set the accessibility of Edit Service menu.



1.5 Language Setting

① **Menu Language** : Select the desired menu language by using the **ARROW** buttons.

NOTE

The Kind of languages can be changed depending on the country. Languages are subject to change without prior notice.



① **Audio Language** : Select the default language for audio when changing services. If no language is provided, then the default language of current service will be automatically selected.

③ **Subtitle Language** : Select the default language for subtitle when changing services.

1.6 A/V Output Setting

① **TV Type** : Select the TV types.(PAL/NTSC/Auto) In Auto mode, the STB is automatically selected as NTSC or PAL according to the service played.

② **TV Aspect Ratio** : Select the aspect ratio of TV which is connected to STB.(4:3/16:9)

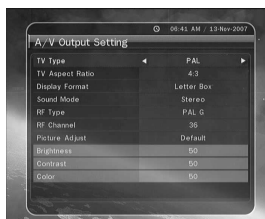
③ **Display Format** : Select the format which the video is to be displayed on screen.(Letter Box/Pan Scan) In case of 16:9 mode, this option is not available.

④ **Sound Mode** : Set the audio mode which is output from the RCA jack.(Stereo/Mono/Left/Right)

⑤ **RF Type** : Select the RF type. (PAL G/ PAL I / PAL K)

⑥ **RF Channel** : Select a RF channel.(21 ~69)

⑦ **Picture Adjust** : Adjust brightness, contrast and color of screen.



2. Installation

2.1 Dish Setting

Select the antenna and LNB settings for service search. The values that are set in this menu will be available for selection in other service searching menus.

① **Satellite** : Select the satellite what you want to search the service.
- Press the **LEFT/RIGHT** button to select the satellite.
- Select the wanted satellite name.
- If the desired satellite name is not listed then select User Defined.

② **Frequency** : Select frequency what you want to check the signal.

③ **LNB Power** : Select the LNB power.



④ **LNB Type** : Select the LNB type.

⑤ **LNB Frequency** : Select the frequency that is set to antenna.

- Use the **LEFT/RIGHT** buttons to select the LNB frequency.

- If the required LNB frequency is not listed, then enter the frequency manually using the **NUMERIC** buttons.

- When you select Universal in LNB type, both 9750 and 10600 are supported at the same time. And LNB 22KHz setting is disabled.

⑥ **LNB 22KHz**: When you use a dual LNB or two antennas connected to a 22KHz tone switch box, make 22KHz tone switch enable or disable to select LNB or antenna.

⑦ **DiSEqC SW** : If you use a DiSEqC 1.0 or DiSEqC 1.1 switch, select one of the DiSEqC inputs.

⑧ **Positioner Setting** : Press **OK** button to move to Positioner Setting menu directly.

⑨ **Service Search** : Press **OK** button to move to Service Search menu directly.

2.2 Positioner Setting

① **Satellite** : Select the satellite what you want to search the service.

- Press the **LEFT/RIGHT** button to select the satellite.

- Select the wanted satellite name.

- If the desired satellite name is not listed then select User Defined.

② **Frequency** : Select frequency what you want to check the signal.

③ **Positioner** : Select the positioner.

None

- **Dish Setting** :

Press **OK** button to move to Dish Setting menu directly.

- **Service Search** :

Press **OK** button to move to Service Search menu directly.

Using DiSEqC 1.2

- **Move** : To move the dish, press **LEFT/RIGHT** button.

- **Fine Move** : To move the dish in detail, press **LEFT/RIGHT** button.

- **Positioner Command** : To use various positioner command, press **OK** button. Then, available positioner commands will appear.

- **Dish Setting** : Press **OK** button to move to Dish Setting menu directly.

- **Service Search** : Press **OK** button to move to Service Search menu directly.

Using USALS

- **Fine Move** : To move the dish in detail, press **LEFT/RIGHT** button.

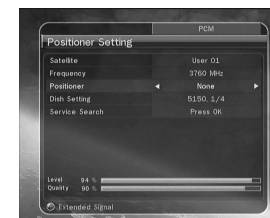
- **Dish Longitude** : Enter the longitude using the **NUMERIC** buttons.

- **Dish Latitude** : Enter the latitude using the **NUMERIC** buttons.

- **Go To** : Press **OK** button to rotate the dish to the configured position.

- **Positioner Command** : To use various positioner command, press **OK** button. Then, available positioner commands will appear.

- **Service Search** : Press **OK** button to move to Service Search menu directly.



2.3 Service Search

① **Satellite** : Select the target satellite for search.

② **Search Mode** : Select the following search mode.

Auto Search Mode

- **Search Type** : Select the search type.
- **Network Search** : You can select '**Off**' or '**On**'. When you select '**On**', you can find more transponders using the home network. As it refers to NIT during searching, if there is the frequency information of other transponder, it searches the other transponder besides the transponder that the user inputs.
- **Dish Setting** : Press **OK** button to move to Dish Setting menu directly.
- **Positioner Setting** : Press **OK** button to move to Positioner Setting menu directly
- **Start Search** : Press **OK** button to start search.



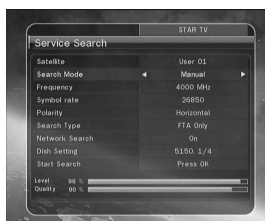
Blind Search Mode

- **Frequency** : Set '**Auto**' to search whole frequency, Set '**Manual**' to search only desired frequency.
- **Polarity** : Select the polarity.(**All Polarity** / **Vertical** / **Horizontal**)
- **Search Type** : Select the search type.
- **Dish Setting** : Press **OK** button to move to Dish Setting menu directly.
- **Start Search** : Press **OK** button to start search.



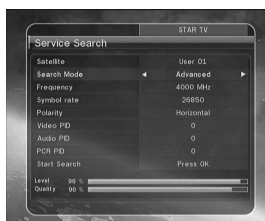
Manual Search Mode

- **Frequency** : Select the frequency from the list to search.
- **Symbol rate** : Enter the symbol rate using the **NUMERIC** buttons.
- **Polarity** : Select the polarity.(**Vertical** / **Horizontal**)
- **Search Type** : Select the search type.
- **Network Search** : You can select '**Off**' or '**On**'. When you select '**On**', you can find more transponders using the home network. As it refers to NIT during searching, if there is the frequency information of other transponder, it searches the other transponder besides the transponder that the user inputs.
- **Dish Setting** : Press **OK** button to move to Dish Setting menu directly.
- **Start Search** : Press **OK** button to start search.



Advanced Search Mode

- **Frequency** : Select the frequency from the list to search.
- **Symbol rate** : Enter the symbol rate using the **NUMERIC** buttons.
- **Polarity** : Select the polarity.(**Vertical** / **Horizontal**)
- **Video PID** : Enter the video PID using the **NUMERIC** buttons.
- **Audio PID** : Enter the audio PID using the **NUMERIC** buttons.
- **PCR PID** : Enter the PCR PID using the **NUMERIC** buttons.
- **Start Search** : Press **OK** button to start search.



2.4 System Recovery

① **System restore to factory default** :

This menu allows you to restore the factory set values in case the user has encountered some problems after changing any new values of service data and others which may be in error. Press **OK** button to erase all services and restore default setting.

② **System restore to stored position** :

This menu allows you to restore the stored values including service data and system parameters. Press **OK** button to restore all data.

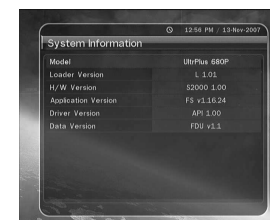
③ **Store system data** :

If you want to use system parameters and service data in the future, this menu allows you to store current state. Press **OK** button to store current state.



2.5 System Information

This displays general information about what hardware and software version your receiver is running on.



3. Utilities

3.1 USB

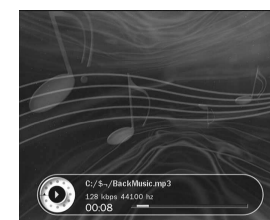
① **System Setting** : 680platinum have two USB port. One is in the front panel and the other is in the rear panel. With this option, you can activate or inactivate these USB ports.

- **Rear** : Activate rear USB port. In this case front USB port is not available.
- **Front** : Activate front USB port. In this case rear USB port is not available.
- **Auto Detect** : Activate the USB port which is connected to external USB device automatically.



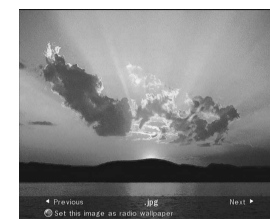
② **MP3 Player** :

Stick the external USB memory into the provided USB port on front panel. Once inserted, press **OK** button to read external USB memory stick and choose the MP3 file from the window you want to play.



③ **Image Viewer** :

You can display the image file that is in the external USB memory stick on the screen. Select the image file(JPEG format) and press **OK** button to display the image.



- ④ **Format** : Before you use your USB external device, we recommend for you to format it by Format(USB) menu.

NOTE If you execute format, all data will be deleted.



3.2 Data Transfer

- ① **Transfer all System data to USB storage** :
If you want to use system parameters and service data in the future, this menu allows you to store current state to external USB storage. Press **OK** button to store current state to external USB storage.
- ② **Transfer Service data to USB storage** :
If you want to use service data in the future, this menu allows you to store current service data. Press **OK** button to store current service data to external USB storage.
- ③ **Data download from USB storage** :
This menu allows you to download the stored data from external USB storage. Press **OK** button to download data.



3.3 Calendar

To display calendar, press **OK** button. Utilize **ARROW** buttons to choose the date, button **UP/DOWN** will switch from past/next month.



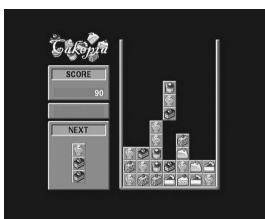
3.4 Calculator

To use a calculator, press **OK** button.



3.5 Games

To enjoy Game, press **OK** button.
And you can play the Game(CAKEPIA).



4. Service List

5.1 Service List Manager

Service List Manager menu will be appeared when press **OK** button. You can select Edit Mode by press **YELLOW** button.

- ① **Lock Services** :
All service lists will be shown on left side of window, right side will show make service to be lock. By using **ARROW** and **OK** button you may move the chosen service to right side window to lock service.
- ② **Move Services** :
All Service Lists will be shown on left window, Service Lists for moving will be shown on right Window. Move the Service to Right window by using **ARROW** and **OK** button, then right window services will be moved to related location when select desired location from the left window.
- ③ **Delete Services** :
All service lists will be shown on left side of window. By using **ARROW** and **OK** button you may select services to be delete. And press **GREEN** button to delete the selected services.
- ④ **Skip Services** :
All service lists will be shown on left side of window, right side will show make service to be skip. By using **ARROW** and **OK** button you may move the chosen service to right side window to skip service.



⑥ Edit Service Name :

All service lists will be shown on left side of window.
Move the highlighted bar to the service what you want to edit its name and press **OK** button. Then you can see the virtual keyboard. Using **ARROW** and **OK** buttons, you can edit the service name.



5.2 Service List Option

① Service List Preview

Setting 'ON' :

If you change service using **ARROW** buttons and press **OK** in the Service List, service will be played which you want. But Service List still remains. To remove Service List on screen, press **OK** one more time.

Setting 'OFF' :

If you change service and press **OK** in the Service List, service will be played. And Service List disappear at the same time.



② Lock Favorite Popup

Setting 'ON' :

If you press **GREEN** button to open Set Favorite menu, you must enter PIN code.

Setting 'OFF' :

PIN code is not required.

③ View Only Filtered List

Setting 'ON' :

If you sort services with any category(A~Z, Transponder, Group or CAS) in the Service List, only filtered services will be shown on the Service List.

Setting 'OFF' :

All services will be shown on the Service List. And filtered services are highlighted with yellow color.

Troubleshooting

Problem	Solution
Does not display any message on the front panel.	<ul style="list-style-type: none"> - Check the main power cable and check that it is plugged into a suitable power outlet. - Check you have switch the STB main power switch ON at the rear of the STB.
No Picture	<ul style="list-style-type: none"> - See 'Does not display any message on the front panel' above. - Check the video output port is firmly connected to the TV or VCR. - If you are using the RF output, check that the RF lead is connected firmly to the STB and TV/VCR. - Check that you have selected the correct channel or Video Output on your TV. - If you are using the RF Output, check that you have correctly tuned the UHF channel of the STB or TV. - Check the brightness level of the TV.
Poor picture quality	<ul style="list-style-type: none"> - See 'No Picture' above. - Check the signal level, if this is low then try adjusting the alignment of your dish.
No Sound	<ul style="list-style-type: none"> - See 'No Picture' above. - Check the volume level of the TV and STB. - Check the Mute status of the TV and STB.
Remote Control does not operate	<ul style="list-style-type: none"> - Point remote control directly towards the STB. - Check and replace batteries.
No or Bad Signal	<ul style="list-style-type: none"> - Check the LNB ; Replace LNB if necessary. - Check the cable from the LNB. - Check the position of the dish; realign dish if necessary. - If you are using a DiSEqC 1.0 switch, check that you have connected the LNBs to the correct connections on the switch. - Check the 'Signal Level' and the 'Signal Quality'.

Specifications

Tuner & Channel Decoder

Input Connector	F-type, IEC 169-24, Female
Loop through out	F-type, IEC 169-24, Female
Frequency Range	950MHz ~ 2150MHz
Input Impedance	75Ω, unbalanced
Signal Level	-65 to -25dBm
LNB Power	13/18VDC, max.400mA
22KHz Tone	(22±2)KHz, (0.6±0.2)V
DISEqC Control	VI.0/1.2/USALS Compatible
Demodulation	QPSK
Input Symbol Rate	2 ~ 45 Ms/s
FEC Decoder	1/2, 2/3, 3/4, 5/6 and 7/8 with Constraint Length K=7

MPEG Transport Stream A/V Decoding

Transport Stream	MPEG-II ISO/IEC 13818
Profile Level	MPEG-II MP@ML
Input Rate	Max. 15Mbit/s
Video Formats	4:3 LetterBox, 4:3 PanScan, 16:9
Video Resolution	720 x 576, 720 x 480
Audio Decoding	MPEG / MusiCam Layer I & II
Audio Mode	Stereo / Joint stereo / Mono
Sampling Rate	32KHz, 44.1KHz and 48KHz

Main System

Main Processor	Conexant Virgo(32-bit RISC CPU 180 MIPS)
Memory	Flash-ROM : 2 MBytes SDRAM : 16 MBytes / 32 MBytes

Audio / Video & Data IN/OUT

Video	CVBS Video Output (RCA) S-VHS Video Output (Mini-DIN) Y/Pb/Pr Video Output (RCA)
Audio L/R	RCA(Volume and Mute Control) AC-3 Dolby Digital (RCA & Optical)
RS-232C	9 pin D-SUB (Male) type, Transfer rate 115Kbps
USB	USB 2.0 Host Support (2 Slots)

RF Modulator

RF Connector	75Ω, IEC 169-2, Male/Female
Frequency	470MHz ~ 860MHz
Output Channel	CH 21 ~ 69 for the Remodulator
TV Standard	PAL G/I/K Selectable by Menu
Preset Channel	CH 36(or TBD) Software changeable by Menu

Front Panel

Slot	1 USB Host Slot 1 Smart Card Slot
Buttons	3 Buttons (CH UP/DOWN, STANDBY)
Display	7-Segment (Channel No. or Time)
Indicators	2 LEDs (STANDBY, REMOTE)

Power Supply

Input Voltage	AC 100 ~ 250V, 50/60Hz
Type	SMPS
Power Consumption	Max. 25W
Standby Power	Max. 8W
Protection	Separate Internal Fuse & Lighting protection

Physical Specification

Size (W x H x D)	260mm X 55mm X 210mm
Weight (Net)	1.2 Kg
Operating Temp.	0°C ~ +45°C
Storage Temp.	-10°C ~ +70°C