

DTVS-1B User Guide

Digital Satellite Receiver



- 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.
- Do not block the ventilation holes of the device. Leave an 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.



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 water or colds.

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About the Set Top Box

This DVB-S Satellite Receiver is a Free-To-Air digital satellite receiver, allowing you to access free-to-air digital Satellite TV channels and radio broadcasts on your TV set. Its digital reception covers VHF & UHF band. Compared with analog TV programs, digital TV programs eliminate the noise and interference by offering 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

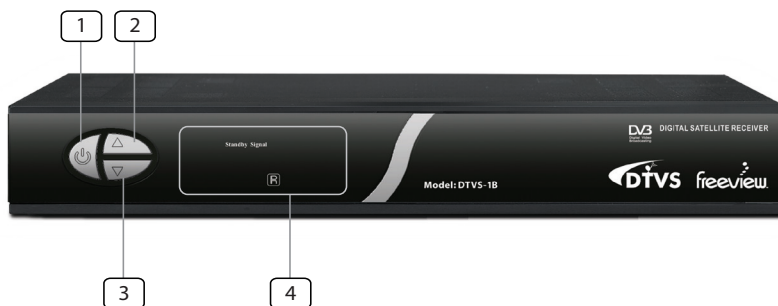
- Fully compliant with New Zealand DVB-S standards
- Full MPEG2 ISO/IEC 13818 transport stream compliant audio/video decoding
- Bandwidth of 8MHz supported
- QPSK demodulator
- Automatic/manual channel search
- Channel edit and deletion
- Parental lock control
- EPG (Electronic Program Guide) and teletext function (where available)
- Tuner RF in/loop through
- Component/Video/Digital Audio via coaxial YCbCr output
- RF Modulator support
- Full function remote control

Package Contents

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

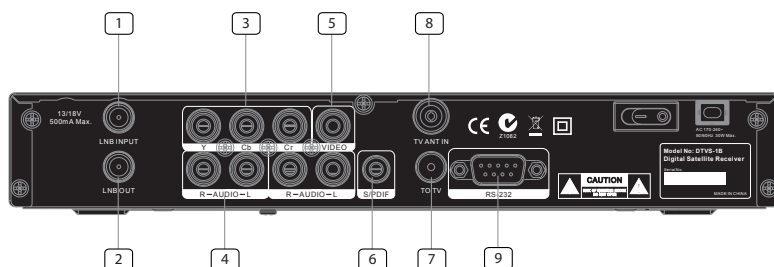
1. DVB-S satellite receiver x 1
2. Remote control x 1
3. AAA size battery x 2
4. Instruction manual x 1
5. AV Cable x 1
6. RF Cable x1
7. Warranty label x 1
8. Quick start guide x 1

Front panel



1. **POWER** To turn the standby mode ON/OFF
2. **▲** To change the channel upward
3. **▼** To change the channel downward
4. **LED digital display:** To display the status of the receiver: when playing menu, it shows "MENU"; when watching TV channel, it shows the channel No.; when in standby mode, it shows the time. When searching channels, it shows "TUNE".

Rear panel



1. **LNB INPUT** To connect to a satellite antenna and cable jacks
2. **LNB OUT** Used to connect a RF signal from the STB to either the RF input jack on your TV or to the STB
3. **YCbCr** High quality video output to connect to your TV
4. **VIDEO** Video connection port to the TV or other equipment
5. **AUDIO R/L** Audio connection port to the TV or other equipment
6. **S/PDIF** Digital audio output
7. **TO TV** To connect a TV via a coaxial cable
8. **AV ANT IN** To connect to television antenna input
9. **RS-232** To connect to a personal computer for software upgrade
10. **POWER** Switch ON/OFF

Remote key functions

1. **POWER** To turn the standby mode ON/OFF
2. **MUTE** To mute or recover the sound of the receiver
3. **Numeric buttons (0-9)** To control the numerical operation and to change programs directly
4. **SUBTL** To select closed caption
5. **TV/RADIO** To switch the program between TV and Radio
6. **EPG** To introduce some program info to the user
7. **TXT** To switch the teletext service ON/OFF
8. **Up/Down Arrow (▲/▼)** To move focused item in menu or channel list, to change the program upward/downward
9. **Left/Right Arrow (◀/▶)**

10. **OK**

- To switch to favorite channel list in channel list menu
- To change selection in menu

11. **MENU**

- To select a channel or menu option
- To show the channel list

12. **EXIT**

- To cancel operation or exit the menu to the previous one

13. **VOL+/-** To increase or decrease the volume

14. **CH▲/▼** To change the channels

15. **INFO** To display the current program information.

It could be an instruction as "help" to tell you the function of the available keys on the bottom of the menu

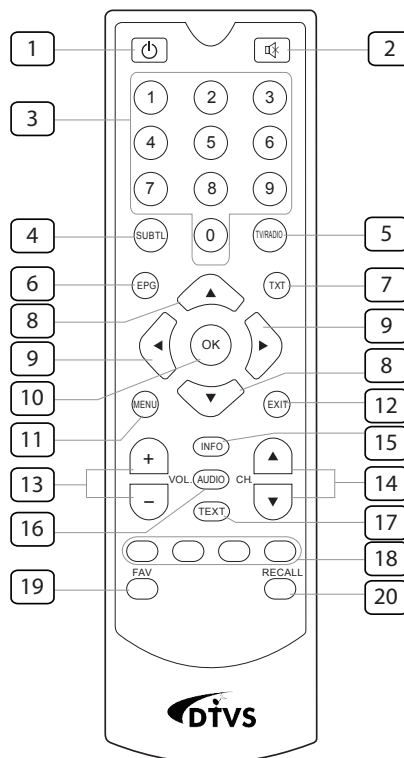
16. **AUDIO** To change audio mode to left, right and stereo

17. **TEXT** To access to Digitext service

18. **4 COLOR KEY** Used to operate different functions in MPEG, TEXT, OSD and other menus

19. **FAV** To show the favourite channel list

20. **RECALL** To turn to view the previous program



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 childrens' reach.
2. Don't attempt to recharge, short-circuit, disassemble, heat or throw the batteries into 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 on using 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.

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

Using the Remote Control

1. Point the remote control 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.



How to get good reception

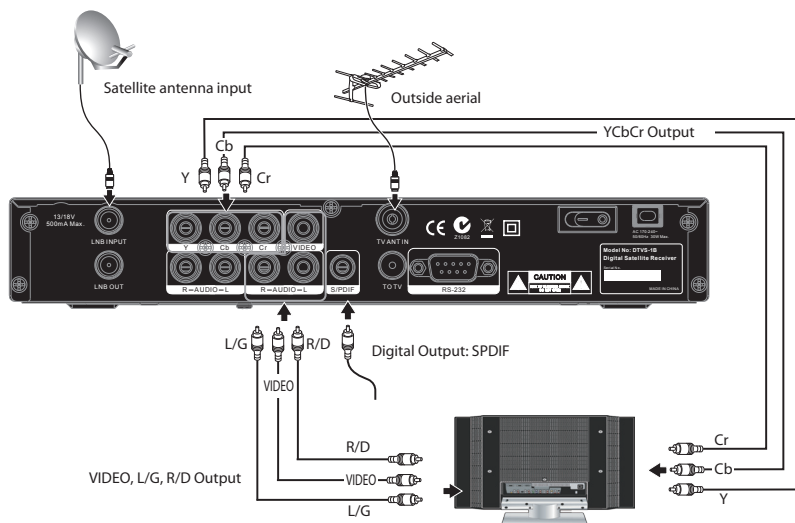
There are many ways to connect the satellite receiver to your home entertainment system, depending on the equipment and connection types you have. However, for the best video/audio quality, use the higher quality YCbCr and S/PDIF connections if available.

Note: Please always remember to disconnect the satellite decoder from the power source prior to connecting or disconnecting the antenna cable to the LNB (on the satellite dish). This is necessary as the LNB installed on your dish may be powered via the antenna cable that connects to the antenna IN on the rear of the STB.

Connections to a TV

There are several ways of connecting your STB receiver to the TV and Hi-Fi System. Connection between the STB receiver and TV is possible via YCbCr component or via CVBS.

Connect the STB receiver via Video L/R, YCbCr SPDIF and Audio



Note: Be sure to turn on the main power at the rear of your receiver before using the receiver. Before you press power button, the receiver is on standby mode.

After all the connections have been made properly switch on your TV. Make sure the receiver is connected to the mains and press the POWER button to switch the receiver on. If you are using the receiver for the first time or restored to factory default, the Main Menu will be displayed. Select the installation and choose blind scan to search for channels (see the detailed information on page 17).



When the unit has finished scanning, all active channels found will be stored automatically. The last found channel will be viewed. (If you wish to stop scanning, press the **EXIT** button to exit. The channels already found will be stored).

Now you are ready to watch digital satellite TV channels and radio broadcasts.

Switch program

1. Press the numeric buttons (0~9) on the remote control to select the channel number you want.
2. Press the **CH▲/▼** key on the remote control or the front panel to change the available channels upward/downward.
3. Press the **RECALL** button to view the previous channel selected.

Volume control

1. Press the **Vol+/-** button on the remote control or front panel to adjust the volume. The following volume bar will appear on screen.



Mute

1. Press the button to temporarily stop the sound.
2. To cancel mute, press the key again or press **VOL+/-** Key.

Text

Press the **TEXT** button to access to Digitext service.

Quick Select

Press the **OK** button to show the channel list. Press **▲/▼** to choose the channel you want. Press **EXIT** to exit.

Change an audio language and audio mode

Press the **AUDIO** button on the remote control to select the audio control menu, press the **▲/▼** to select the audio language, press **◀/▶** to select the audio mode you want. Press the **EXIT** button to exit the menu.

Change TV/Radio mode

Press the **TV/RADIO** button to change the program list mode between TV and Radio.

Radio signal for example.View program INFO

1. Press the **INFO** button once and twice to view the detailed information of current program.
2. Press the **INFO** button the third time/EXIT to exit view.

SUBTL

Press the **SUBTL** button to switch subtitles on/off.

NOTE: Transmission of subtitles depends on the program providers.

Teletext service

1. Press the **TXT** button to open a teletextpage (if the teletext is transmitted)
2. Press the **TXT** button again or press the **EXIT** button to close the teletext.

EPG (Electric Program Guide)

1. Press the **EPG** button to view the EPG information that are provided by the content providers.
2. Press **◀/▶** show EPG for the adjacent channels, and then press **OK** to select the program/channel to watch.
3. Press the **RED** button to watch TV; press the **EXIT/GREEN** button to exit the EPG; press the **YELLOW** button to view the event information of the previous day; press the **BLUE** button to view the event information of the next day.
4. Press the **EXIT** button to exit the menu.



This section guides you to walk through of all options on the Menu screen.

Navigation in the main menu

1. Press the **MENU** button to bring up the main menu.
2. Press the **▲/▼** button to move upward/downward to the desired menu. press the **◀/▶** button to move to the sub menu and press **▲/▼** to choose the one you want.
3. Press the **OK** button to enter into the sub menu you select.
4. Press the **EXIT** button to exit the main menu.

The main menu is divided into 6 sections, please refer to the menu tree in the next page.

Channel Manager

Installation

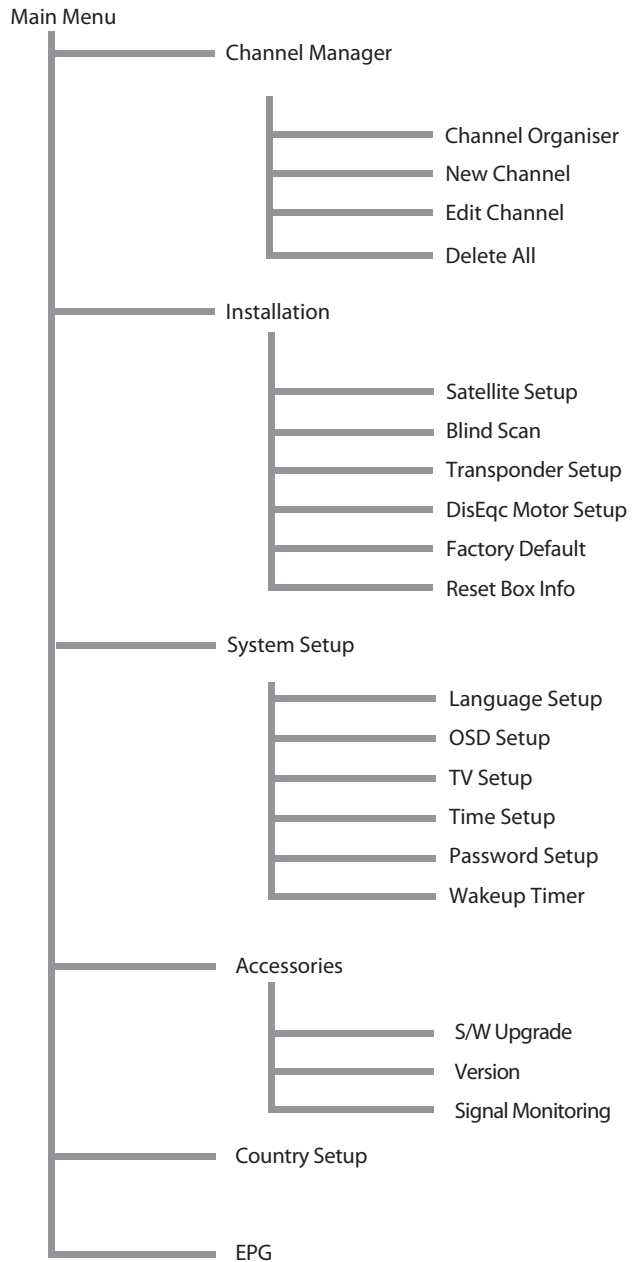
System Setup

Accessories

Country Setup

EPG



Menu Tree

Channel Organiser

1. Go to Main Menu > Channel Manager > Channel Organiser.
2. Press **RED** button to Skip, **GREEN** button to lock the channel, **BLUE** button to delete the channel; press **▲/▼** to select the channel; press **INFO** button to rename the channel name; press **FAV** button to set the favourite list; press **TV/R** button to change the program mode between TV and Radio.
3. Press **EXIT** to exit the menu.



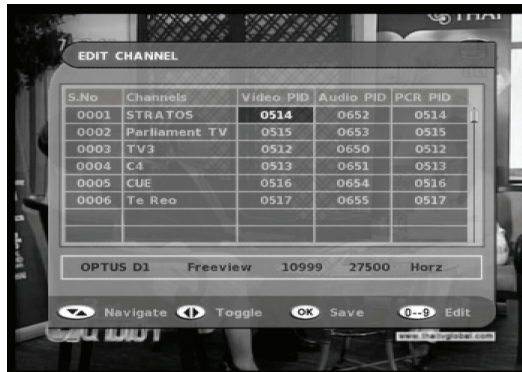
New Channel

1. Go to Main Menu > Channel Manager > New Channel
2. Press **▲/▼** to select the item and press **◀/▶** and do the change according to the menu showed on the below menu bar.
3. Press **EXIT** to exit the menu.



Edit Channel

1. Go to Main Menu > Channel Manager > Edit Channel
2. Press ▲/▼ and ◀/▶ to select the item and press numerical 0~9 to set as you want, then Press **OK**.
3. Press **EXIT** to exit the menu.



Delete All

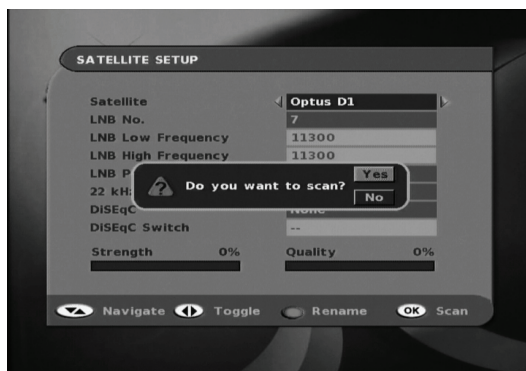
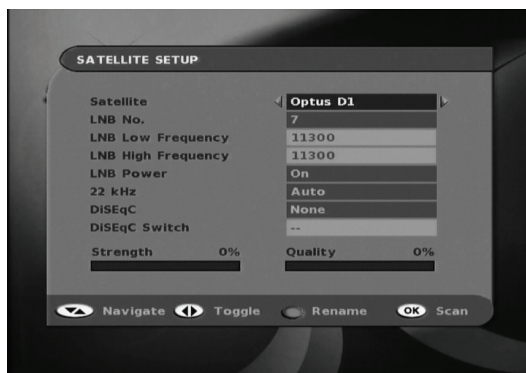
1. Go to Main Menu > Channel Manager > Delete All
2. There are five items you can chose: All TV Service, ALL Radio Service, All FTA Service, All Scrambled, All Transponders. Press ▲/▼ to choose the item you want to delete. Then a menu will be showed to confirm with you if you want to do that, press ▲/▼ to choose Yes or No then press **OK** to confirm. If you choose Yes, the item you chose will be delete.
3. Press **EXIT** to exit the menu.





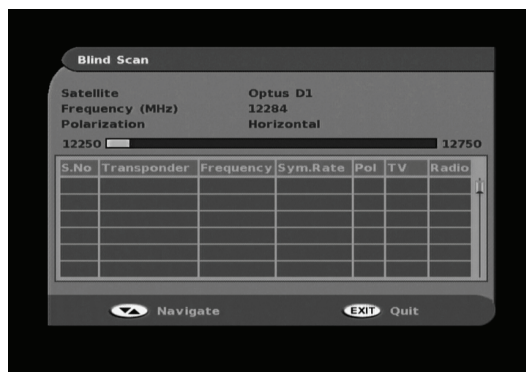
Satellite Setup

1. Go to main menu > Installation > Satellite Setup
2. Press **▲/▼** to choose LNB No., LNB power, 22kHz, DisEq, DisEq Switch and press **OK** to select the satellite that you want to scan. There will be a window displayed to confirm with you if you want to scan. Press **▲/▼** to choose YES or NO, and then **OK**.
3. Press **EXIT** to exit the menu.



Blind Scan

1. Go to main menu > Installation > Blind Scan
2. Press **OK** to start scanning.
3. Press **EXIT** to exit the menu.



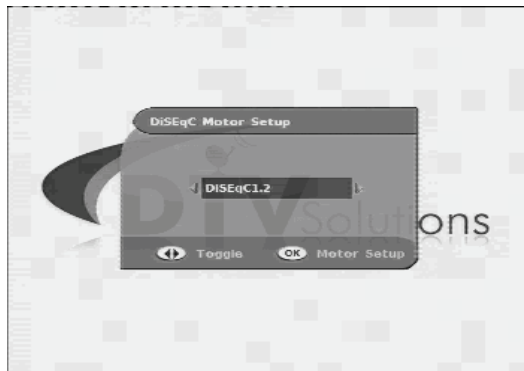
Transponder Setup

1. Go to main menu > Installation > Transponder Setup
2. You can perform the transponder scan [Add/Edit] based on the LNB frequency, LNB power, 22KHz and DiSEqC values stored in the satellite setup for that selected satellite.
3. There are three items you can choose: Add, Edit, Delete. Press ◀/▶ to choose the item you want to do.
 - Add: Add new carrier into the selected satellite with the corresponding frequency, symbol rate and polarization.
 - Edit: Edit or rescan the carriers which were available in database.
 - Delete: Delete the selected carrier or group of carriers.
4. Press **EXIT** to exit the menu.



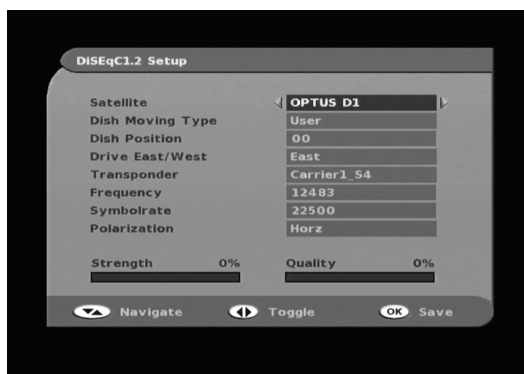
DisEqC Motor Setup

There are two items you can choose: DisEqC1.2 Setup and USALS Setup.



a) DisEqC1.2 setup

1. If you have only one Set Top box, but you like to watch all coverage of satellite signal then you need to go for motorized dish which is called DiSEqC1.2.
2. For positioning the dish to particular satellite, you can select the satellite along with dish moving type as User/Installer/GotoX/Advanced, dish position, direction [East/West] and carrier along with its parameters like frequency, symbol rate and polarization.



Dish Moving Type

1. User - While pressing Left/Right key in Drive East/West option to move the motor, the motor will be move slowly [step by step movement]. Motor movement will be stop when you stop the key pressing.
2. Installer - While pressing Left/Right key in Drive East/West option to move the motor, the motor will be move fastly [Continuous movement]. Motor movement will be stop when you press again

LEFT/RIGHT key.

3. Goto X - GoTo X option is used to move the motor to specified Dish position. To perform this option - select Dish moving type as GoTo X and enter the Dish position by pressing numeric keys and now press OK key to move the dish to specified position.

4. Advanced - This setup is used to perform the below listed Motor related settings,

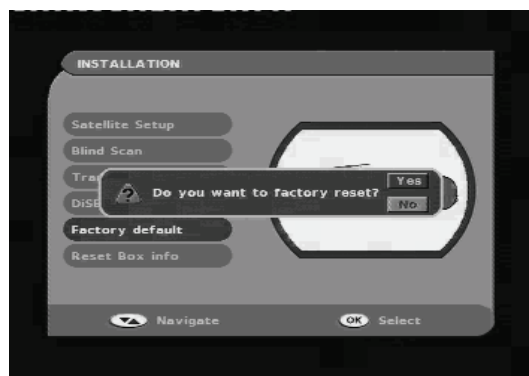
- * DiSEqC 1.2 Enable/Disable - To enable (or) disable the DiSEqC option by pressing OK key.
- * Enable /Disable limit - To enable (or) disable the Motor limits by pressing OK key.
- * Drive East/West - You can drive the motor to East/West direction by pressing Left/Right key.
- * Set EAST/WEST limit - You can set the East or West limit of the motor through this option.
- * Recalculate Position - This Recalculate position option will replace the logical positions set by the user.
- * Reset Position - The motor position can be reset to its reference position [0°] by using the Reset Position option.

b) USALS setup - Advanced concept of DiSEqC1.2. It is used to position the dish automatically without user stress. By giving the input of satellite angle, user latitude & longitude angle, motor will be positioned automatically to the selected satellite.

USALS Setup	
Satellite	OPTUS D1
Satellite Angle	160.0 E
User Longitude	005.0 E
User Latitude	55.0 N
Transponder	Carrier1 S4
Frequency	12483
Symbolrate	22500
Polarization	Horz
Strength	0%
Quality	0%
<div> Navigate Toggle OK Save </div>	

Factory Default

1. Go to main menu > Installation > Factory Default
2. Press **OK**, there will be a window to displayed to confirm with you if you want to default all of the settings. Press **▲/▼** to choose YES or NO, and then OK. If you choose YES, there will be a window asking you to enter the password, if you have not set a new password, press 0000; if you have, enter the password that you have set.
3. Press **EXIT** to exit the menu



Reset Box Info

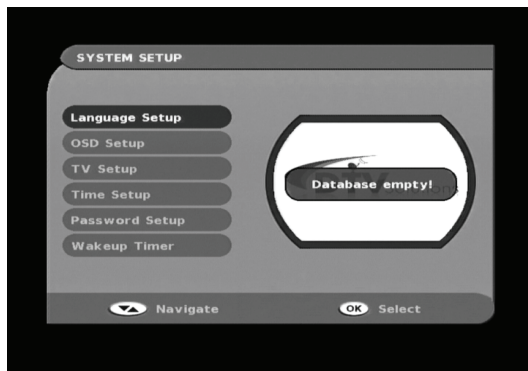
1. Go to main menu > Installation > Reset Box Info
2. Press **OK**, there will be a window displayed to confirm with you if you want to set the box information. Press **▲/▼** to choose YES or NO, and then **OK**. If you choose YES, there will be a window asking you to enter the password, if you have not set a new password, press 0000; if you have, enter the password that you have set.
3. Press **EXIT** to exit the menu.



System Setup

Go to Main Menu > System Setup.

There will be the following items, such as: Language Setup, OSD Setup, TV Setup, Time Setup, Password Setup, Wakeup Timer.



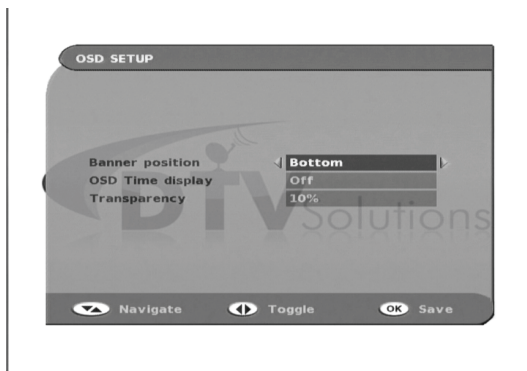
Language Setup

1. Select Language Setup , and press **OK** to enter into it.
2. Press **▲/▼** to choose the item you want to set. Press **◀/▶** and OK to select what you would like. There are six languages for OSD item: ENG, FRA, ITA, ESL, DEU, RUS.
3. Press **EXIT** to exit the menu.

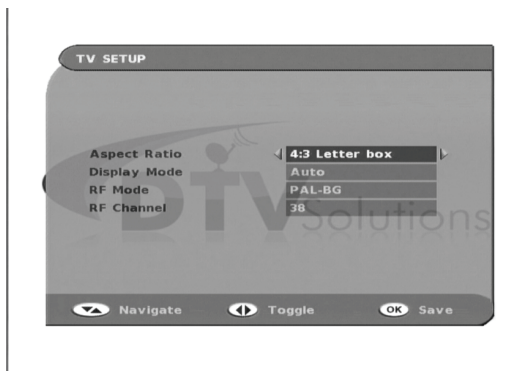


OSD Setup

1. Select OSD setup, and press **OK** to enter into it.
2. Press **▲/▼** to choose the item you want to set. Press **◀/▶** and to select what you would like.
3. Press **EXIT** to exit the menu.

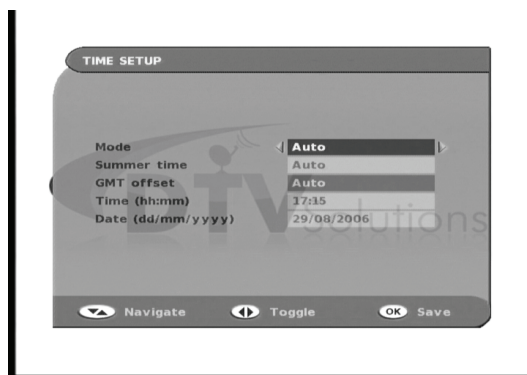
**TV Setup**

1. Select TV srtpup, and press **OK** to enter into it.
2. Press **▲/▼** to choose the item, and press **◀/▶** to match with your TV set and press **OK**. The receiver; can support aspect ratios: 4:3 Letter box, 4:3 full screen, 16:9
3. Press **EXIT** to exit the menu.



Time Setup

1. Select Time setup, and press **OK** to enter into it.
2. Press **▲/▼** to choose the item, and press **◀/▶** to choose timer mode, if you select Manual, you can set the date and time with the numeric keys 0~9.
3. Press **EXIT** to exit the menu.



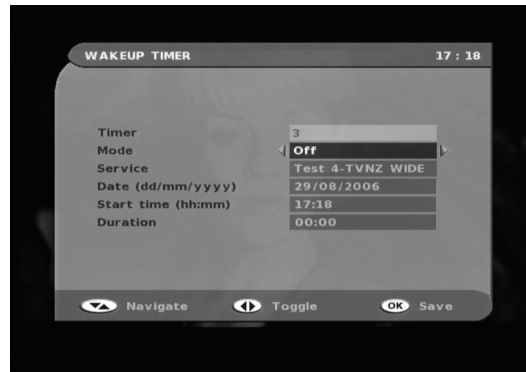
Password Setup

1. Select Password Setup, Press **OK** to enter into it.
2. Select Lock Type to set the type you want select old password to change the password to a password that you can easily remember. If this is the first time that you are changing the password, press 0000(this is the default password), then press the numeric keys 0~9 to set the new password and once again to confirm the new password. If you forget the new password, 4000 is the master password for you to get into the menu to set the new password.
3. Press **EXIT** to exit the menu.



Wakeup Timer

1. Select Wakeup Timer, and press **OK** to enter into.
2. Press **▲/▼** to choose the item, and press **◀/▶** or numeric keys 0~9 to set Timer., Timer Mode, Service, Date, Start Time, Duration and press OK.
3. Press **EXIT** to exit.



In this menu, there are three submenus: S/W upgrade, Version and Signal Monitoring

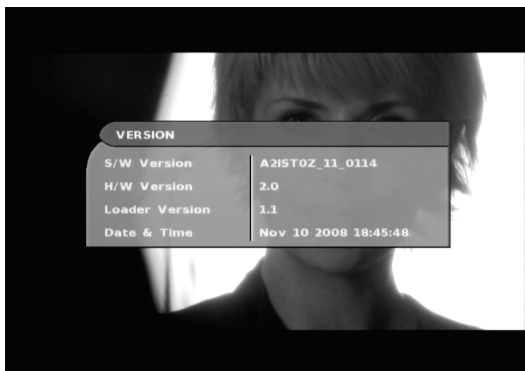
S/W Upgrade

1. Select S/W upgrade and press **OK** to enter it.
2. There will be a window showed "search for S/W upgrade from air is in progress and you will wait for about 20 seconds. Then a menu will be showed to confirm with you if you want to upgrade the software. Press **▲/▼** to choose YES or NO, if you choose YES, the software will be upgraded.



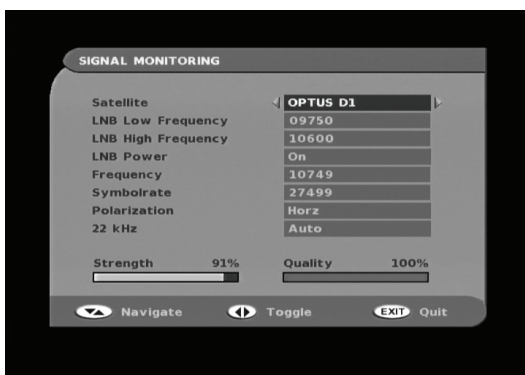
Version

1. Select Version, and press **OK**.
2. You can find the version information of your receiver.
3. Press **OK** or **EXIT** to exit.



Signal Monitoring

1. Go to main menu > Accessories > Signal Monitoring
2. You can check the availability of signal, such as signal strength and signal quality by changing these parameters: Satellite name, LNB Low & High frequency, LNB Power, Frequency, Symbol rate, Polarization, 22KHz mode.
3. Press **EXIT** to exit the menu.



Country Setup

1. Go to main menu > Country Setup
2. In this menu, there are twenty major areas to choose from: Southern Lakes, Canterbury, Westcoast, Wellington, Wairarapa, Manawatu, Wanganui, Taranaki, Hastings, Napier, Gisborne, Taupo, Bay of Plenty, Rotorua, Waikato, Auckland, Northland, All free channels, Southland and Otago.
3. Press **EXIT** to exit the menu.







EPG

1. Go to main menu > EPG
2. Press **OK** to enter **EPG** and press **◀/▶** to view the program list.



If you experience problems with this receiver or its installation, in the first instance please read carefully the relevant sections of this User Manual and this Troubleshooting section.

Problem	Possible cause	What to do
Display on front panel not lit	Main lead unplugged	Check mains lead
	Main fuse blown	Check fuse
Tuning failed or Database empty or No signal found	Aerial is disconnected 	Check aerial lead 
	Aerial is damaged / misaligned	Check aerial
	Out of digital signal area	Check with dealer
No picture or sound	Program not broadcasting now	Return to another channel
Mosaic blocks in picture or picture freezes	Aerial may not be compatible	Check aerial
Scrambled channel message	Channel is scrambled	Select an alternative channel
Forgotten channel lock code		Use the override code(4000)
No response to remote control	Receiver off	Plug in and turn on receiver
	Handset not aimed correctly	Aim handset at front panel
	Front panel obstructed	Check for obstructions
	Remote control batteries are inserted incorrectly	Check batteries direction
	Handset batteries exhausted	Replace remote control batteries
After moving the receiver to another room, find can't receive the digital reception	 The aerial feed may come through a distribution system which may reduce the digital signal now received by the receiver	 Try a direct feed from the antenna

Warning: If this doesn't work, contact a qualified repair technician, never attempt to repair the receiver yourself.

Receiver Specifications

Item		Specification
Connectors	LNB INPUT	IF in, connects to your dish antenna
	LNB OUT	IF out, provides a loop out for a second STB
	TV ANT IN	IEC female connector
	To TV	Anlog RF output
	RS232C	Serial port for software upgrade
	S/PDIF	RCA, for SPDIF digital audio output
	Video	RCA, for CVBS video output
	YCbCr	RCA, for component video output
	L/R x 2	RCA, Analog audio output
Power supply	Input	AC 170 - 240V ~ 50/60Hz
	Consumption	30W max. Standby mode < 6W
Display	Resolution	720X576i
	Aspect Ratio	4:3(Letterbox, Panscan), 16:9 fullscreen, Auto
Others	Sound Mode	Right, Left, Stereo
	Size	250x175x38mm
	Weight (Net)	0.96kg

* Specifications are subject to change without prior notice.



This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

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 product.

In the unlikely event that your product fails to work normally, please contact the supplier and have your receipt of purchase on hand.

This guarantee 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 guarantee does not cover accidental damage;
- The guarantee 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 damages.

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

