aerialB□x

T1020

UHF Aerial
(((•ish TV ®

freeview HD ®

User Manual

UHF Aerial
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freeview HD

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GOING
DIGITAL
.CO.NZ

Welcome

Thank you for choosing this DishTV Freeview High Definition Digital Set Top Box. You will be be able to receive all Freeview|HD UHF High Definition and Standard Definition digital TV channels, as well as detailed Freeview program information with the Freeview 8 Day Electronic Program Guide. For more information about Freeview visit www.freeviewnz.tv

It's really simple to use; With easy to understand on-screen menus which are operated from the remote control.

A Freeview Digital Set Top Box gives you access over 10 free to air digital channels, without a subscription or contract. For more information on Freeview please visit www.freeviewnz.tv

A digital box lets you access the free digital channels that are broadcast in New Zealand. It uses a digital signal, received through your normal UHF aerial and lets you watch it through your existing television.

This product is capable of receiving and decoding Dolby Digital Plus.

Manufactured under license from Dolby Laboratories. Dolby and the double-D symbol are trademarks of Dolby Laboratories.

This product has an HDMI connector so that you can watch high definition TV via an HDMI lead when connected to an HD Ready TV.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Warranty & Product Registration
Please register your product to assist with warranty and product updates.
To do this please visit **www.dishtv.co.nz** and click on **Warranty & Registration**

What's in the box?

Your new set top box

STANDBY BUTTON
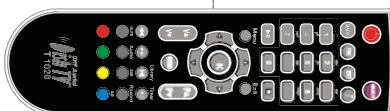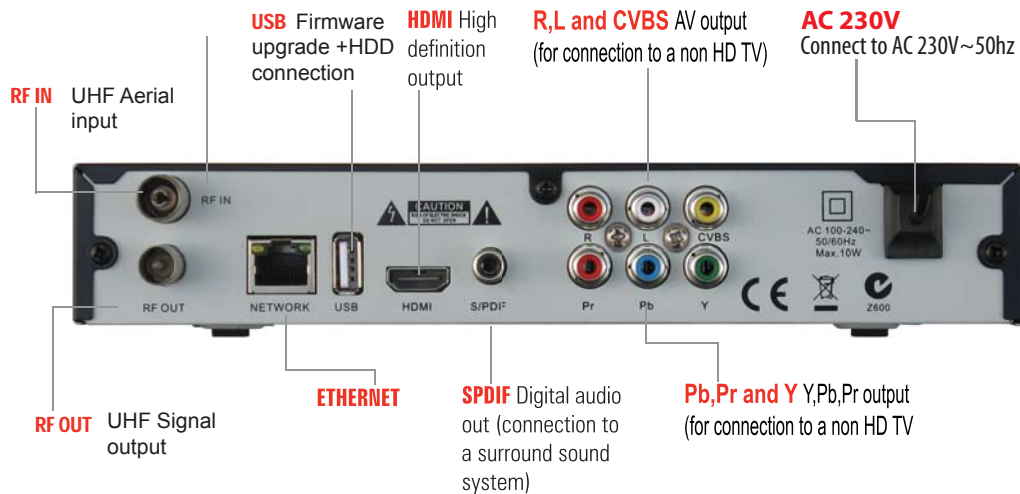Power On / Standby

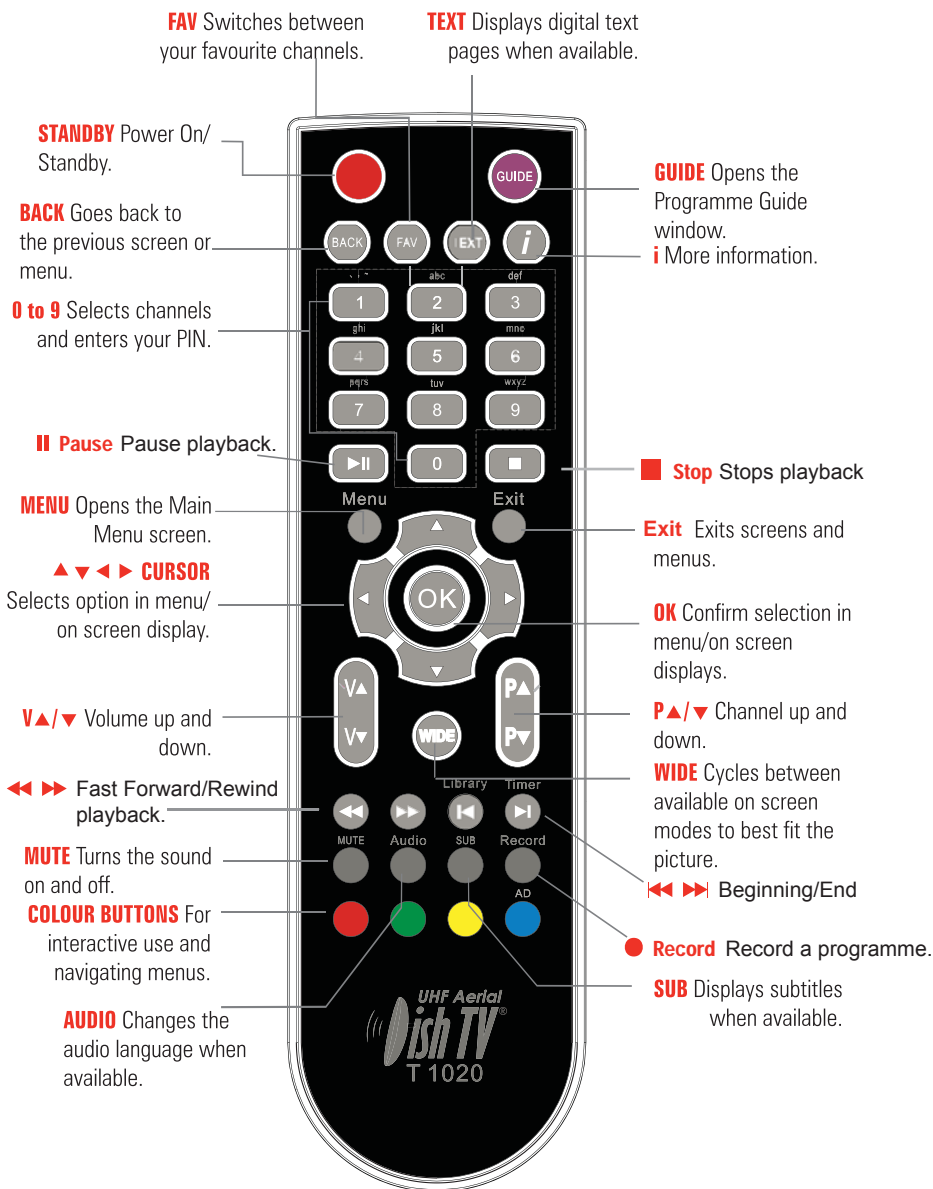AV Cable

Remote control

2 x AAA batteries

Rear view

USB Firmware upgrade +HDD connection

HDMI High definition output

R,L and CVBS AV output (for connection to a non HD TV)

AC 230V
Connect to AC 230V~50hz

RF IN UHF Aerial input

ETHERNET

SPDIF Digital audio out (connection to a surround sound system)

Pb,Pr and Y Y,Pb,Pr output (for connection to a non HD TV

RF OUT UHF Signal output

Contents

Contents

Page

Your remote control

FAV Switches between your favourite channels.

TEXT Displays digital text pages when available.

STANDBY Power On/Standby.

BACK Goes back to the previous screen or menu.

0 to 9 Selects channels and enters your PIN.

▌▌ Pause Pause playback.

MENU Opens the Main Menu screen.

▲ ▼ ◄ ► CURSOR Selects option in menu/on screen display.

V ▲/▼ Volume up and down.

◄◄ ►► Fast Forward/Rewind playback.

MUTE Turns the sound on and off.

COLOUR BUTTONS For interactive use and navigating menus.

AUDIO Changes the audio language when available.

GUIDE Opens the Programme Guide window.
i More information.

�■ Stop Stops playback

Exit Exits screens and menus.

OK Confirm selection in menu/on screen displays.

P ▲/▼ Channel up and down.

WIDE Cycles between available on screen modes to best fit the picture.

◄◄ ►► Beginning/End

● Record Record a programme.

SUB Displays subtitles when available.

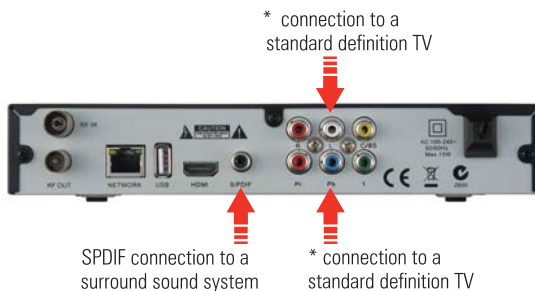# Connecting up

Getting connected

Connecting to a HD Ready TV

HD READY TV

HDMI Cable
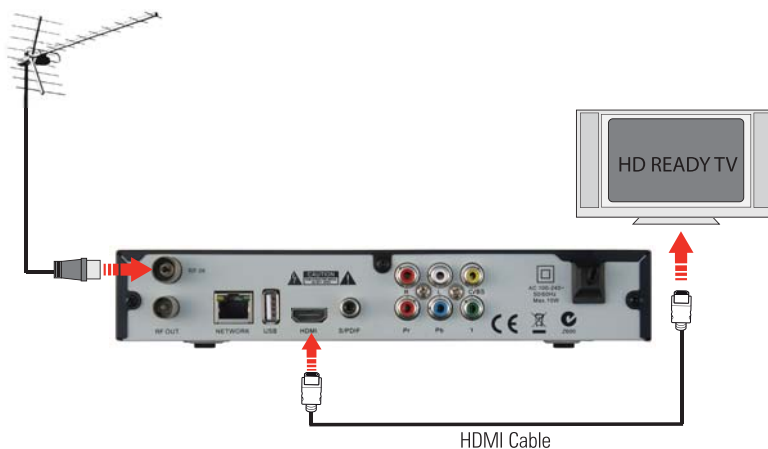
Connect that cable that comes from your Satellite dish to the SAT IN socket in the back of your set top box.

Connect the AV cable that came with your set top box between the yellow red and white sockets on the back panel of your set top box and the AV input on your TV.

Other connections

* connection to a
standard definition TV

SPDIF connection to a
surround sound system

* connection to a
standard definition TV

* It is not possible to view programmes in high definition when using a standard definition TV connection.
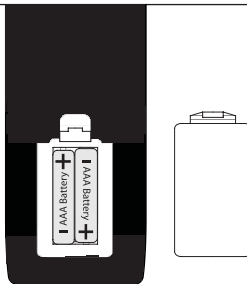
Getting started

1 ## Put batteries in the remote control

Open the battery cover of the remote control and put two AAA size batteries so that the '+' and '-' marks on the batteries match the '+' and '-' marks inside the remote control. Replace the battery cover.
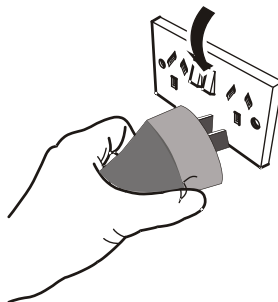
2 ## Plug in and switch on

Switch your TV On and select the correct video input.

Your set top box will turn on automatically.

3 ## The first time install screen

The first time install screen will appear on screen.

Follow the instructions on screen to complete the installation.

Please make sure you don't have a USB device plugged in while going through the setup process. Once you are setup you can then plug your device in.

Main Menu

Main Menu:

All other Settings and tuning menus are selected from this main menu.
This menu is the gateway for all other menus.
User can invoke the main menu by pressing the "MENU" key.

This main menu contains several options

User Settings
Installation
System Configuration
ESG
MEDIA Manager
#Connectivity
User can toggle between the options by using UP/DOWN or LEFT/RIGHT Keys.

Main Menu - User Settings

Favourite View:
Channels related setting, allowing you to view your favourite channel list.
Allowing you to classify channels and group them together to be viewed through
Favourites later.

Organizer:
Channels related settings like
Lock. (Allows you to lock a selected channel, access to it then requiring a PIN)
Skip. (Means browsing with P+/- selected channel will be skipped over, but still able to access it
        by pressing channel button)
Delete. (Deletes a channel off list)
can be Configured only from this menu.

User Preference:
Contains settings such as Brightness/Contrast/OSD Time Out etc that are adjusted from
this menu.

Main Menu - Installation

Tuning Wizard:
By selecting Tuning Wizard, you will be asked to input your password - the system default is "0000"

System Setting:
From here you can change more of the visual settings. i.e. HD Resolution, Aspect Ratio etc

Factory Default:
Allows you to reset all information on your reciever taking it back to factory settings.

S/W upgrade via OTA:
Software upgrade via over the air. This option will only work when the software is being broadcast over the air.

-Auto Scan:
Allows you to automatically search for services and carriers.

-Manual Scan:
Allows you to select a UHF channel, scan mode (All, FTA, Scrambled) and check Signal strength and Quality.
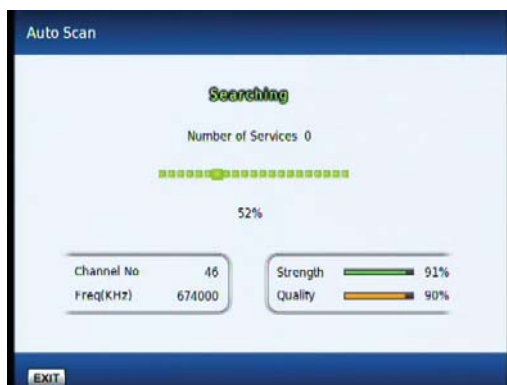And then search the selected UHF frequency.

Tuning Wizard - Auto Scan

- Auto Scan:
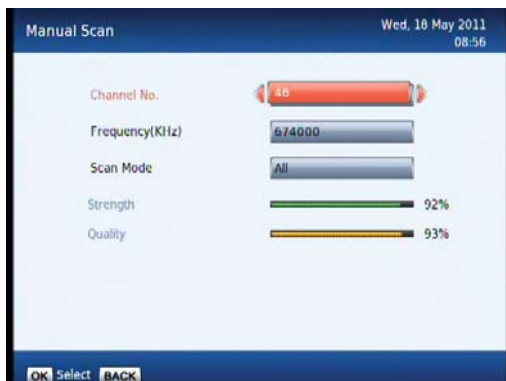When the OK key is pressed, the confirmation dialog will be displayed.
Select the Yes option to start the scanning process.

The Scan progress will be displayed along with the Signal Strength and quality for the current frequency.
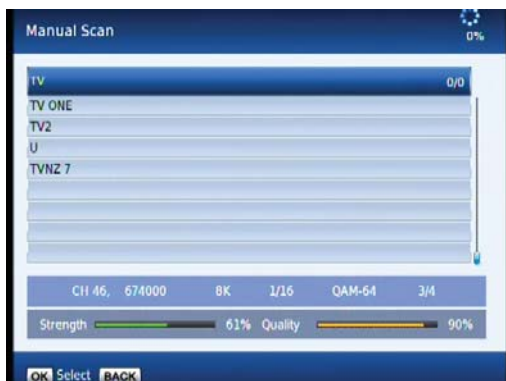
Tuning Wizard - Manual Scan

- Manual Scan:
The strength bar shows the signal strength of the current frequency

Press OK to start scanning the selected frequency for available channels.

The Progress screen will display any channels found and once complete, prompt if you want to save the changes.

Main Menu- System Configuration

Wakeup Timer:

The user can select the wakeup channel by Left/Right arrow keys when focus is at "Wakeup Channel" followed by Up/Down to navigate in the channel list and select the desired Channel by pressing the OK key. The highlighted programme will be added to the timer menu

The User can select the start time & duration for wakeup timer. Can also choose Timer record from here. If you select the wakeup mode as message, you can then choose the wakeup message in the list box below.

#Birthday
#Anniversary
#General

Version:

Information page telling you about your reciever Hardware Version, Chip Version, Software Version etc

Main Menu - ESG

The ESG is and Electronic Service Guide. This is in addition to the freeview EPG (accessed using the GUIDE button) . The ESG will be displayed when selecting the ESG option from the Main Menu.
It will list down the available services and when focus is set to the current service then its corresponding current and next events are displayed. In the ESG schedule dialog if Info key is pressed on the selected event, a short description is shown, pressing the Info key again will give an extended description of the selected event that will be displayed.
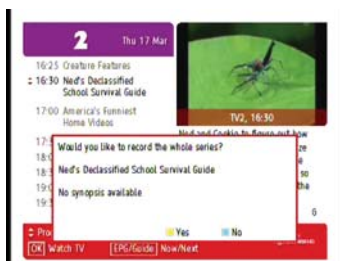
Recording

Instant Record:
This is done by pressing the record button on the remote.
Pressing it will start recording on the channel you are currently watching and allow you to select the duration of the recording. The default duration is to the end of the current programme. You can select to the end of the following programme or manually enter a duration by pressing the left/right navigation keys.

Timer Recordings:
This is done through the EPG. Access the EPG by pressing the EPG button on the remote. It will bring up the guide from which you can then browse to choose a programme to record.

Pressing the Red button on a select show in the EPG menu will mark the programme to be recorded. If the programme is part of a series you will have the option of recording the while series (Yellow button) or just this episode (Blue button)

If you wish to cancel a recording, all you have to do is go back into the EPG menu, to the programme you selected for recording. Pressing the Red button again will ask wheather you wish to cancel the recording or not.

Wakeup Timer - Recording:
From here you can manually set timer recordings. This is done through Main Menu/System Configuration/Wakeup Timer. By going down to the "Waking Mode" and scrolling across to "Recording" the options beneath will change to accomodate the new wakeup mode, giving you choices of Channel, Date, Time and Duration.

Recording Library

To view recorded programmes, press Library button.
It will be labeled LIB on the remote.
From here you can select the programme you wish to play.
To sort, rename, delete recordings follow on screen instructions.

To view Booked Recordings, press the Options button (Blue)
an select it in the Options list that appears.
From here you can delete bookings, choose to convert to a series
recording or not by following on screen instructions.

By pressing the Library button (LIB) a second time, the Thumbnail
browser menu of your video recordings will be opened.

You can also access the Thumbnail Browser in the Main Menu
By selecting Media Manager then Thumbnail Browser.

Main Menu - Connectivity - eNet Buttons

All of the eNet features require an internet connection via the LAN port on the rear panel of the aerialBox. The weather and map services are provided by secondary providers and are not under the control of DishTV. DishTV cannot guarantee the ongoing availablility of these free services.

eWeather - Allows you to view the weather conditions for the day. Humidity, Temperature etc.

eMap viewer - Allows you to browse and search maps on the internet.

eMail - Allows you to log in to your email address, to send/recieve messages, view attached files.

eNet Buttons - eWeather

From the **eNet Buttons menu** you can select eWeather. Use Up/Down to navigate between eNet buttons
Use SMS type (entry using number keys) keyboard to enter letters.

Type in the Country you desire and then the closest city name to you.

Press the OK key to load the weather page.

Press Blue key to change the view between Celsius, Fahrenheit and Kelvin.

Press the info key to toggle between minimum & maximum mode.

eNet Buttons - eMap

From the **eNet Buttons menu** you can select eMap. Use Up/Down to navigate between eNet buttons Use SMS type (entry using number keys) keyboard to enter letters.

Type in the area you wish to search and press OK for the map to start loading.

Press the Blue key to zoom in on the map, Yellow to zoom out. Press the Left/Right key to move the Map left and Right. Press the Up/Down key to move the Map up and down.

eNet Buttons - eMail

To check your email on your TV choose
the eMail button from the eNet menu.

Profile Entry - To keep your email account secure
this digital receiver allows multiple secure profiles.
The profle has nothing to do with your email login
or password. Simply create your own personal profile,
which then allows you to keep your email private
from other users of this digital receiver.
Profile Entry - Use Green Key to change
the keypad mode(uppercase, special
characters, numbers).

- Use Info Key for navigate between the
different text boxes like a tab key.

- The Back key will Exit the Keypad mode
to allow you to save your profile.
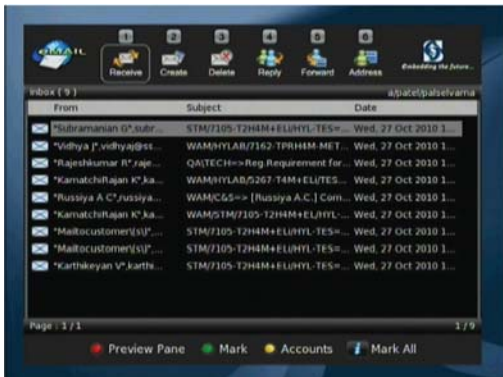
Follow the help bar information for further
navigation Short cut keys available for
Quick navigation to create mail,
forward mail, Reply, address book, etc.,
Press Up/Down key for navigate the
different mail headers. If the number of mails
is more than 20, mails are split by pages,
One page contains 20 Messages.
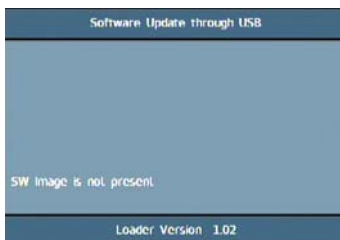
Firmware Upgrade

Via USB:
One way to perform a firmware upgrade of your receiver is via USB using the USB port in the back.
To do this just follow the instructions below...

1. Download firmware from **www.dishtv.co.nz** and extract (unzip) onto a USB flashdrive in a folder called **DISHTV_7162**
2. Turn your aerialBox onto standby with the button on the front, insert the flashdrive.
3. Push the power button, then **Immediately** start Pulsing the "**Menu**" button on your remote (not holding it down)
   Keep pulsing until the front display reads USB, then you can stop and let the unit load the firmware.

The receiver will first display "Load" and if done correctly the display on the front will show "USB" after about 3 seconds.
On screen at the same time it will present a window headed "Software Update through USB"
If the upgrade has been loaded correctly onto the USB flashdrive it will come up with "SW Image File Reading in
progress..." straight after it displays "Searching USB Memory stick..."
Then to a couple of loading screens which will take about 3 minutes to complete.

If the firmware upgrade was incorrectly place on the USB it will also come up with the "Searching USB Memory Stick..."
message, the difference is the next message will say "SW Image is not present" it will then quickly display the Flash
Verification screen which will last only a few seconds. If this happens double check to see if the firmware files are
correctly in a folder called **DISHTV_7162** on your USB drive.

S/W Upgrade OTA:
This is Software Upgrade over the air. This will only work if the upgrade is being
broadcast. It can be selected from the "Installation" option in the Main Menu.

Troubleshooting

Problem	Possible Causes	Solution
No picture	T1020 is not plugged in or turned on at the wall.	Check the front panel. If nothing is illuminated then it is a power issue - please check power socket and plug socket.
	Your display isn't able to display the current Output Format.	Please make sure that Main Menu - Installation - System Setting - HD Resolution is set to one that your TV will be able to display. You can view this using the composite output
Remote control is not working	No batteries or batteries incorrectly inserted.	Insert the supplied 2x AAA batteries as shown on page 7.
	Batteries are flat.	Insert fresh batteries as shown on page 6.
	The Infrared reciever on T1020 is obstructed.	Check that there is a clear "line of sight" from the remote to the sensor on the front panel.
Picture is distorted - too wide or narrow	Wrong TV shape is set.	Go to Main Menu/Installation/System Setting/Aspect Ratio, make sure it is set to match the shape of your display.
No Channels loaded. Database is Empty	No Signal In. Your UHF signal levels are to low for the aerialBox to operate.	UHF aerial Cable not plugged into RF in. Have your signal levels checked then try Main Menu/Installation/Factory Default and scan again.

Technical Specification

General Information:	
Model Number **T1020**	

Features:	
Designed to receive Freeview|HD high definition broadcasts via a UHF antenna.	
8 Day EPG	
Less than 1 Watt Standby Power Consumption	
HDMI Output: 576p, 720p, 1080i, 1080p	
Upgrade over the air and by USB.	
HDMI Socket	
YUV via RCA sockets	
Composite via RCA sockets	
Ethernet port (For internet connection)	

System Resource:	
Flash Memory	16 Mbytes
DDR SDRAM	256 Mbytes
EEPROM	8 Kbytes

Power Information:	
Input Voltage	AC 100~250V mains supply
Power Consumption	Max 10w Under 1 Watt in standby mode

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 use only.
this warranty does not cover damage from misuse or neglect, accidental damage, vermin infestation, eccessive voltages such us lightning or power surges or any alteration that affects the performance or reliability of the product.

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

This warranty is subject to the following provisions:

● This is only valid within New Zealand.

● The product must be correctly connected and operated in accordance with the instructions contained in the manual.

● This product must be used solely for domestic purposes.

● The warranty does not cover accidental damage.

● The warranty will be rendered invalid if the product is resold or has been damaged by unauthorised repair.

● The manufacturer disclaims any liability for incidental or consequential damages.

Warranty & Product Registration

Please register your product to assist with warranty and product updates.
To do this please visit **www.dishtv.co.nz** and click on **Warranty & Registration**