UEC

DSD 5000
USER MANUAL
VAST™ Certified Receiver

Dolby Audio

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE
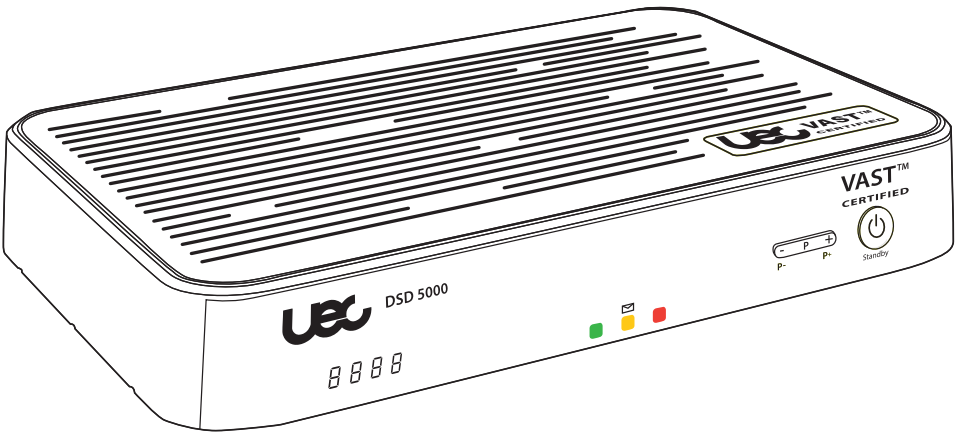
Page is intentionally blank.

Table of Contents

Important Notes

https://uec.com.au/downloads/product-manuals for the latest User Manual.

❗ Please Note: The Network Operator requires the use of a 10.7 GHz (10700) LNB to receive all available TV services.

This STB carries the RCM logo and is compliant with Electricity (Consumer Safety) Regulation 2015; Radio communications (Electromagnetic Compatibility) Standard 2008.

DSD 5000 is a VAST™ Certified receiver.

Abbreviations & terms

NAS	NAS Australia (importer, distributor and service authority).
VAST™	Viewer Access Satellite Television.
STB	DSD 5000 Set Top Box.
PSU	Power Supply Unit, also Power Pack (Manufacturer supplied 12VDC Accessory).
RCU	Remote Control Unit.
EPG	Electronic Program Guide (GUIDE Button on the RCU).
LNB	Low Noise Block (fitted to the satellite dish).
IR	Infra Red.
SW	Software.
Boot	Full start-up of the STB from power cycle or factory reset.
Antenna	Any general reference to antenna shall be taken to include both satellite dish antenna and LNB (which work in combination).
AV	Audio Visual – on the STB refers to Video/L/R sockets on rear.
Event	A recording, reminder or other programmed action.

This STB complies with all relevant Australian safety standards. Please read all safety precautions and warnings carefully and adhere to all safety and warning notes.

Warranty

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

The Warranty period begins on the date of purchase. As evidence of date of purchase present the relevant document (sales slip, invoice or delivery note). Keep these documents in a safe place. If the STB is faulty and requires repair take the STB to your nearest authorised dealer as failure to do so may void any guarantee / warranty.

Power required to operate the STB is 12VDC at 3 amps

MAINS SUPPLY: 100-240V AC 50-60Hz to 12VDC

A power pack (referred to as a PSU) is supplied with the STB. Connect the power cable to the STB before connecting it to the power outlet. Disconnect the STB from the power outlet before connecting or disconnecting the STB from any other equipment.

OPTIONAL ACCESSORY: 12VDC Cigarette Lighter Adaptor

A suitable cigarette lighter adaptor is an optional accessory for use in caravan or RV installations.

A well-regulated 12V DC supply is essential for this STB to operate efficiently; contact NAS Service Centre for recommended replacement Power Supplies or adaptors if required.

Cautions

INSTALLATION: Always install this product in an environment free from dust, moisture and contaminants.

OVERLOADING: Do not overload a wall outlet, extension cable or adapter as this may result in fire or electric shock. Ensure DC power source is correctly rated and fused according to it's load. The DSD 5000 requires a 3amp fused supply.

LIQUID: Do not expose this STB to liquid of any kind. Do not place objects filled with liquid on the STB.

CLEANING: Disconnect the product from the wall outlet before cleaning. Use a very lightly dampened cloth (no solvents) to dust the product.

Warranty and Safety

VENTILATION: Never cover the STB ventilation slots. This may result in overheating, damage and malfunction. Consider purchasing DSD 5000 Mounting Bracket.

- Never stand the STB on soft furnishings or carpets.
- Never stack other electronic equipment on top of the STB.

ATTACHMENTS: Do not use non-recommended attachments that may be hazardous or damage the STB.

LNB or ANTENNA: Ensure connection to antenna is **finger-tight, but never over tightened** (using wrenches, spanners or other tools). To avoid possible damage to the antenna disconnect the STB from the mains before connecting or disconnecting any antenna cables.

TV CONNECTION: To avoid possible damage to equipment disconnect the STB from the mains before connecting or disconnecting.

LOCATION: STB is intended for INDOOR use ONLY.

- Never place the STB on or near a radiator or other heat source.
- On a rack or bookcase, ensure adequate ventilation space and that manufacturers installations cautions are observed.
- Do not place on unstable surfaces where it can fall possibly causing injury or damage to the appliance.
- When installing in a caravan or RV, ensure the unit is properly fixed to avoid damage during travel. See the optional "Installation Bracket" on page 9.
- In caravan and RV installations ensure sufficient slack of all cabling to allow for serviceability.
- For caravan and RV installations, power supplied via ON / OFF switch is recommended to save battery consumption and avoid DSD 5000 going into disaster recovery mode.
- Do not place the STB where it will be in direct sunlight.
- It is NOT a toy – keep away from children.

LIGHTNING, STORM or NOT IN USE: Prevent damage from lightning and power-surges – unplug the STB from the mains and disconnect antenna during thunderstorms or when it will be unused for long periods.

PARTS REPLACEMENT & REPAIRS: Only NAS Australia's certified service technicians may perform repairs and/or replace parts.

WARNING! Risk of electric shock / damage / fire
Damage to the mains power cable and plug:

- Do not modify the STB power cable or plug.

- Do not bend or twist the power cable.
- Disconnect the power cable at the AC or DC supply when installing / re-installing the STB or when it will not be used for extended periods.
- Route cables well away from heat sources. Exposure to heat can make cables brittle or melt the insulation.

To avoid electric shock:

- Never open the main body of the STB.
- Do not insert metal or inflammable material through vents.
- Never touch the AC or DC supply power plug pack with wet hands.
- Disconnect the AC or DC power cable during lightning storms.

To avoid damaging the product:

- Do not use the product when it is faulty. If you continue to use a defective product serious damage may occur. Contact an authorised agent for repairs to the STB.
- Do not insert metal or alien substance into the smartcard or ventilation slot.
- Ensure that the STB is placed near an accessible AC or DC socket or 12V DC supply.

Correct handling of batteries:

- Never subject batteries to heat, extreme sunlight, fire or similar.
- Batteries can contain toxic substances. Keep out of reach of small children who may put batteries into their mouths and could swallow them.
- Leaking batteries can cause damage to the remote control. Remove RCU batteries when the STB will not be used for a prolonged period.
- Toxic substances in batteries can damage the environment.
- Ensure batteries are disposed of in accordance with statutory law.
- Normal batteries can not be charged.
- Never dispose of batteries in your regular household waste.
- Never heat or throw ANY batteries into open fire (danger of explosion!).

Disposal:

- Never dispose of your STB, other electronics or batteries in the regular household waste. Contact an E-Waste facility to arrange disposal.
(http://www.cleanup.org.au/)

Intended use:

The purpose of this STB is for the reception of Digital Satellite Television/Radio Broadcasts from the VAST™ and is for private use only. This involves also following all information contained in this user manual, especially the cautions and safety notes. Any other use is

Important Information

WELCOME

VAST™

The Australian Government funds a free-to-view satellite service – Viewer Access Satellite Television (VAST™), providing digital television to viewers in remote areas of Australia who are unable to receive terrestrial digital TV due to interference, terrain or distance from the transmitter. National radio broadcast channels are also included.

DSD 5000 SET TOP BOX

Thank you for purchasing this DSD 5000 STB, designed for receiving the VAST™ digital television in both High Definition (HD) and Standard Definition (SD) and digital radio services.

Use this manual when un-boxing to check all components are present. Read it carefully before installing and setting up your new STB. Care taken at this stage will ensure many hours of enjoyable entertainment.

Becoming familiar with the STB front panel functions and those of the RCU will add to your enjoyment when using this equipment.

Identifying the STB

IMPORTANT: If any technical or other assistance is required, serial numbers of the STB and smartcard may be requested for service inquiries and during the registration process. Make a note of it BEFORE installing and keep it easily accessible.

Example Only

Serial Nr: 492117380001232

Smartcard: 00000000000

The bar code sticker on the underside of the STB displays the device Serial Number and the Smartcard Number.

REMEMBER: The smart card issued with this product is unique and irreplaceable. It is not interchangeable with other STBs, nor will other smart cards work with this STB. Extreme care should be taken with the smart card to avoid damage or loss.

> **!**
> DO NOT over tighten LNB connections. Only finger tighten to avoid internal damage.

Features and Accessories

Main Features

(Technical & Statutory)
This terminology can be searched on the internet for those who are interested and want to better understand it.

- Australian VAST™ certified,
- Dual DVB-S2 tuners,
- PVR ready with optional external USB recording device,
- HEVC, MPEG-2/4 compliant,
- Dolby Audio Pass Through supported*,
- Secure Boot Processor,
- Embedded IRDETO Secure Silicon,
- 128 MB NAND & 512MB DDR3 RAM,
- Single satellite F-connector input with 2x DVB-S / S2 tuners,
- Infra Red remote control extender (optional) via Jack on rear panel,
- 7 – segment display with clock in stand-by,

- HDMI® v1.4,
- Ethernet 10/100 Mbps network port,
- Digital audio, coaxial SPDIF (optional cable required),
- Composite (CVBS) video output with stereo audio outputs (optional AV cable required),
- Remote Control Unit (RCU) – NEC protocol,
- External PSU (110-240V AC to 12VDC/3A) with reverse polarity protection, or
- 12VDC car cigarette lighter adapter (optional accessory for RV and Caravan direct 12VDC installation).

Optional Accessories

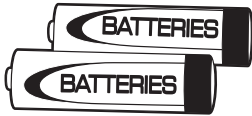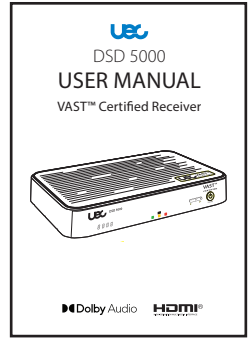The Following OPTIONAL Accessories are NOT Supplied.

SPDIF Cable	Digital Audio Cable
External USB	External USB Drive
IR RCU Extender	Accessory for Discreet Installation and Use
AV Cable	Analog Connection to TV or Sound System
12V Auxiliary Cable	PSU Accessory for use in RV or Caravan
Installation Bracket	A bracket accessory is available to mount the STB under a shelf or behind a TV.

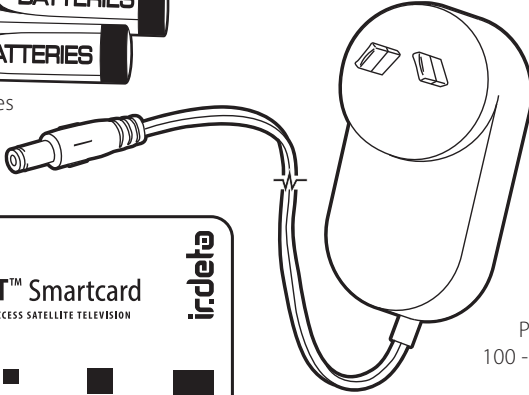*Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation
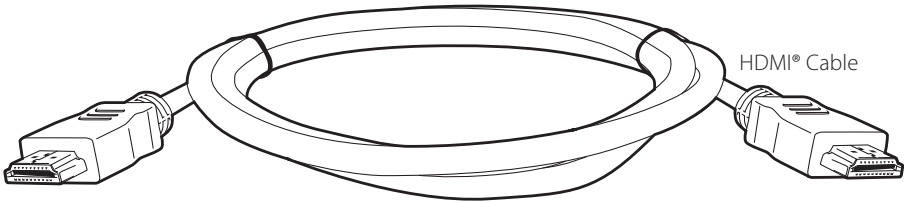
What's in the Box

Manual

USER MANUAL
DSD 5000
VAST™ Certified Receiver

Dolby Audio   HDMI®

Batteries

VAST™ Smartcard
VIEWER ACCESS SATELLITE TELEVISION
irdeto

Smartcard (inside STB)

Power Supply Unit
100 - 240VAC to 12VDC 3A

HDMI® Cable

Remote Control Unit (RCU)

DSD 5000

VAST™
CERTIFIED

Standby

Set Top Box
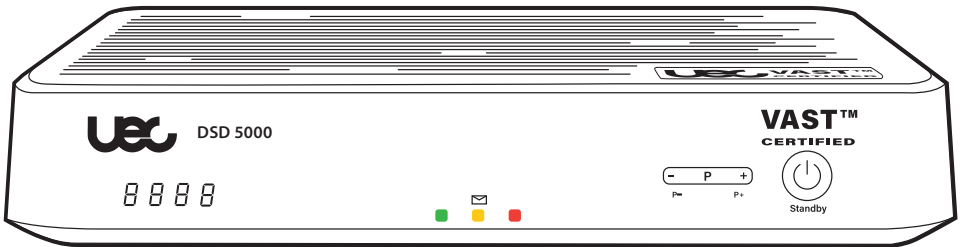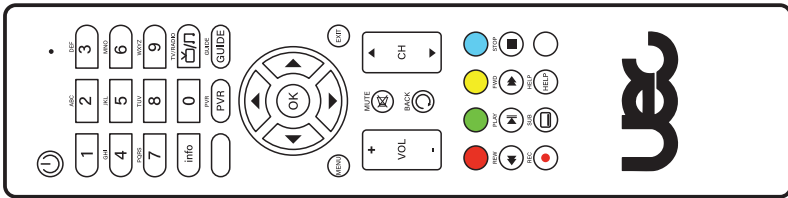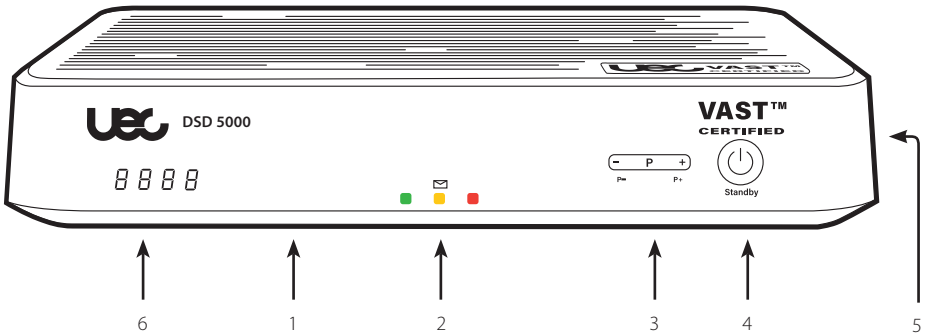
1	Infra-Red (IR) Receiver window	The RCU sends a beam to the infra-red window. Do not block the path between RCU and STB. If an obstruction (eg. cabinet, TV) prevents the IR signals from the RCU, an external IR RCU extender (optional accessory) is available.
2	Front Panel LEDs	See LED functions below.
3	P+/P- Button	Equivalent to **Channel Up** and **Channel Down** on the RCU.
4	Standby (Power) Button	Switches the STB between **ON** and **STANDBY** (If held down for more than 4secs the STB will reboot).
5	Smart card	VAST™ smart card slot on right of STB. Card must be correctly inserted to receive encrypted VAST™ TV channels.
6	7 Segment display	Information display showing various status messages, clock feature when in standby and shows current channel number when in normal operation mode.

RESTART Button

This is the secondary function of the ON/Standby button on the STB front panel.
Hold down the **Standby** button on the **Front Panel** for **4 seconds** to perform a reboot.
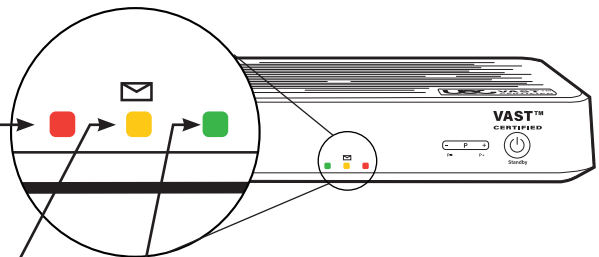
LED Functions

Power
RED - Standby
GREEN - On
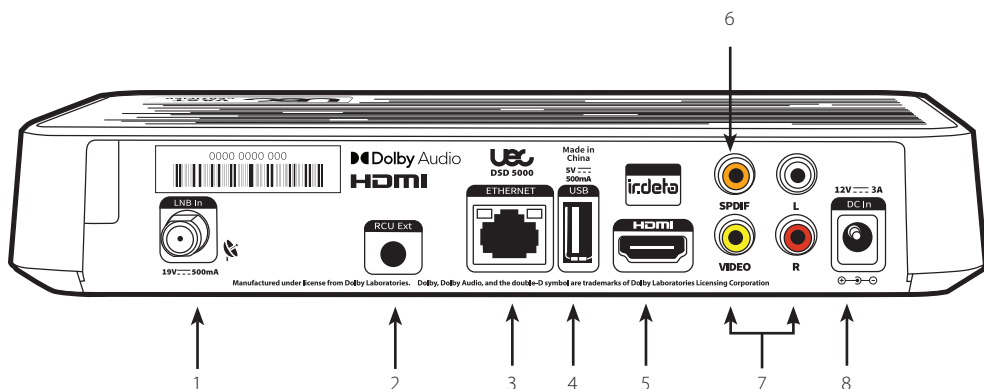GREEN (Blinking) - IR/RCU Activity

Status
ORANGE (Blinking) - Mail Received
ORANGE - LNB over current
RED - Error Banner
GREEN - Radio Selected

PVR
ORANGE - USB Space Low
RED - Recording
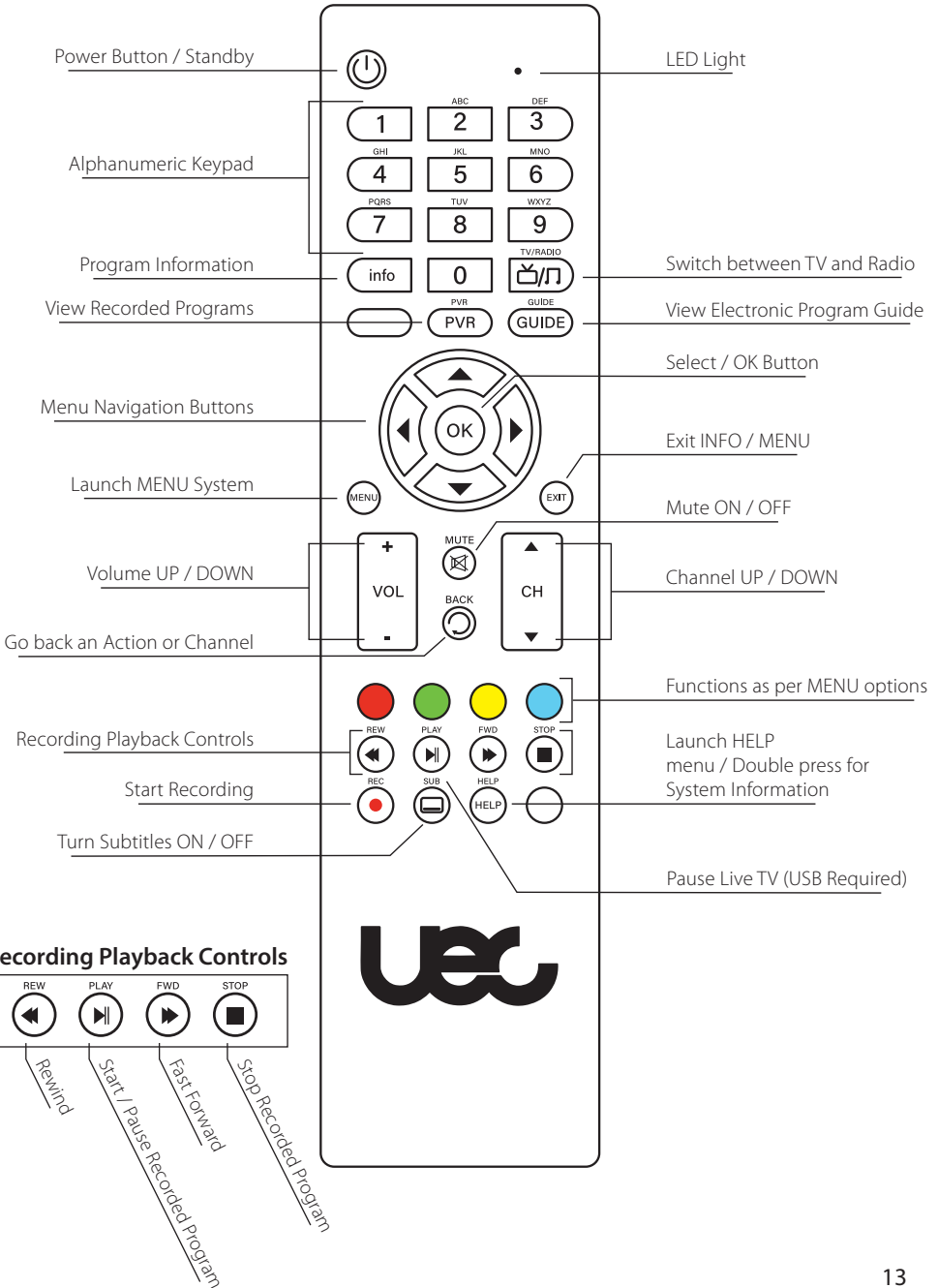GREEN - Archive Available

11

Rear Panel

1	LNB In	Connect the satellite antenna coaxial connector to the LNB In socket on the STB.
2	RCU Ext (Optional accessory)	IR extender, used for extending the range of the RCU if the STB is in a cabinet.
3	ETHERNET	Ethernet Socket **not supported.**
4	USB Socket	Connecting external USB and loading software upgrades.
5	HDMI®	HDMI® cable connects to HDMI® input on TV (or Home Theatre System). Provides HD video, digital audio and Dolby Digital surround sound (when available).*
6	SPDIF (Optional cable)	Connect Digital Audio to **AV Home Theatre** for digital audio and Dolby Digital Surround if available in the broadcast.*
7	Video/L/R (Optional cable)	AV RCA cable connects audio and video to older style TVs, VCRs and other video devices.
8	DC In 12V–3A	Socket for the DC power cable.

NOTE: Dolby Surround Sound*
The STB passes this feature of a program to the AV processor or soundbar but ONLY if it is accurately contained in the received broadcast. Some broadcasters may not accommodate this feature and/or it may be corrupted by bad connections or if the signal is passed through a VCR or similar device between the STB and the AV processor or soundbar.

*Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation

Remote Control Unit

Power Button / Standby

LED Light

Alphanumeric Keypad

Program Information

Switch between TV and Radio

View Recorded Programs

View Electronic Program Guide

Select / OK Button

Menu Navigation Buttons

Exit INFO / MENU

Launch MENU System

Mute ON / OFF

Volume UP / DOWN

Channel UP / DOWN

Go back an Action or Channel

Functions as per MENU options

Recording Playback Controls

Launch HELP menu / Double press for System Information

Start Recording

Turn Subtitles ON / OFF

Pause Live TV (USB Required)

Recording Playback Controls

REW — Rewind

PLAY — Start / Pause Recorded Program

FWD — Fast Forward

STOP — Stop Recorded Program

Remote Control Unit

RCU Navigation Buttons

The terms NAVIGATE (**NAV**) or SELECT are used when referring to activities controlled by these four arrows and the **OK** button.

The **OK** button is the same as SELECT / SAVE / AGREE. In some instances it is a shortcut button - for example to quickly see the available channels.

The arrow buttons move the cursor/highlight around the on screen display.

When a screen/menu has been opened the cursor will be situated on a command or program in the screen.

If that default is not what is needed use the arrow buttons until the required function is highlighted. Press **OK** to select that item or **INFO** to see information about it (TV programs).

MOST functions require the user to press **OK** before LEAVING the program or function because the **OK** button implies SAVE CHANGES. Failing to SAVE (OK) will cause all unsaved commands to be lost.

The term SELECT is a prompt to use the **arrow buttons to navigate** to the required function as described above and then SELECT (OK) it.
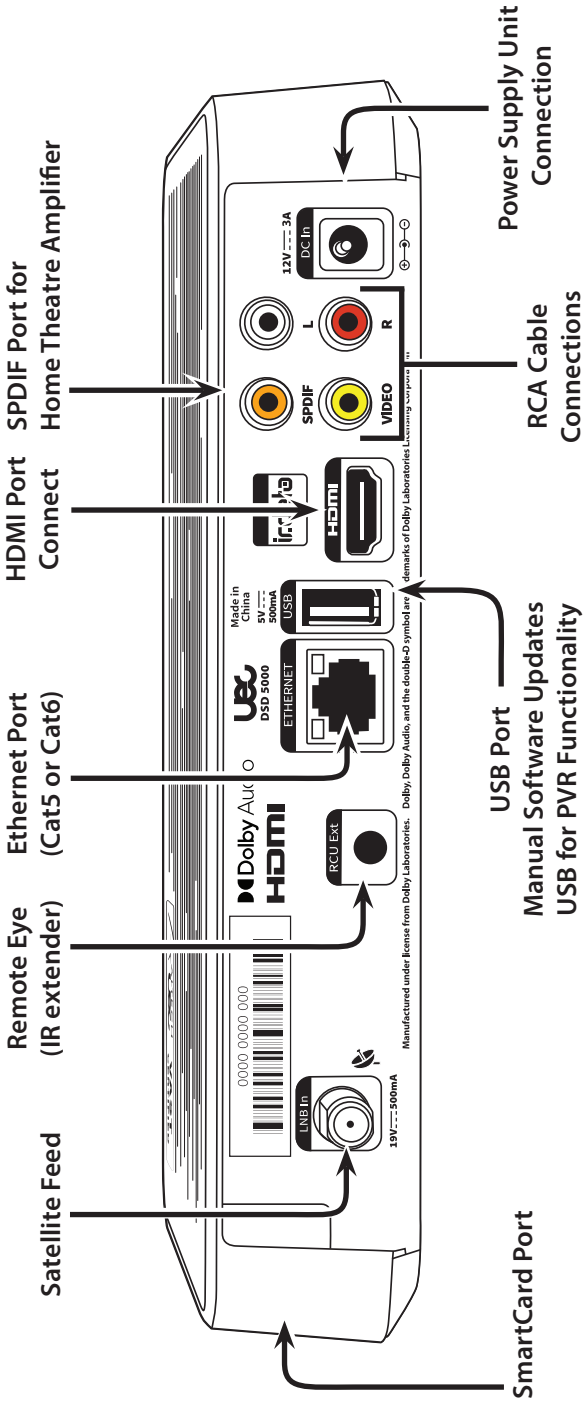
Colour Function Buttons

The buttons in this row have functions that vary according to what menu or screen is active. Therefore the function they perform is not fixed.
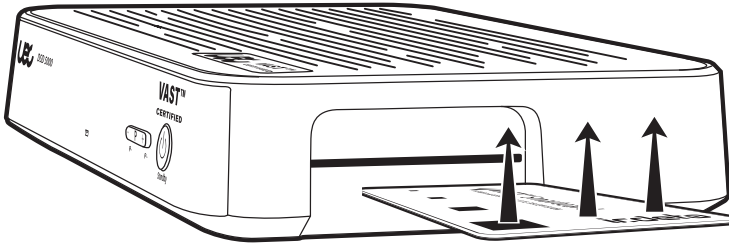
RED   GREEN   YELLOW   BLUE
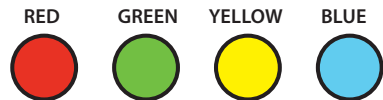
For colour challenged individuals the colours, from left to right, are: RED, GREEN, YELLOW, BLUE.

Rear Panel Full Diagram

Satellite Feed

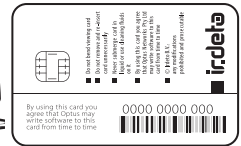Remote Eye
(IR extender)

Ethernet Port
(Cat5 or Cat6)

HDMI Port
Connect

SPDIF Port for
Home Theatre Amplifier

Power Supply Unit
Connection

RCA Cable
Connections

USB Port
Manual Software Updates
USB for PVR Functionality

SmartCard Port

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

Dolby Audio

HDMI

UEC
DSD 5000

Made in
China
5V⎓
500mA
USB

ETHERNET

RCU Ext

LNB In
19V⎓500mA

12V⎓3A
DC In

L   R

SPDIF   VIDEO

0000 0000 000

Hardware Setup

Step 1: Check SmartCard

Topside of Card

Underside of Card

Ensure the smart card is inserted correctly. The chip should be facing down and the arrow facing inwards. An error will appear if the smart card cannot be read by the STB.
See "VAST™ Registration Process" on page 22 for instructions on registering you Smartcard.
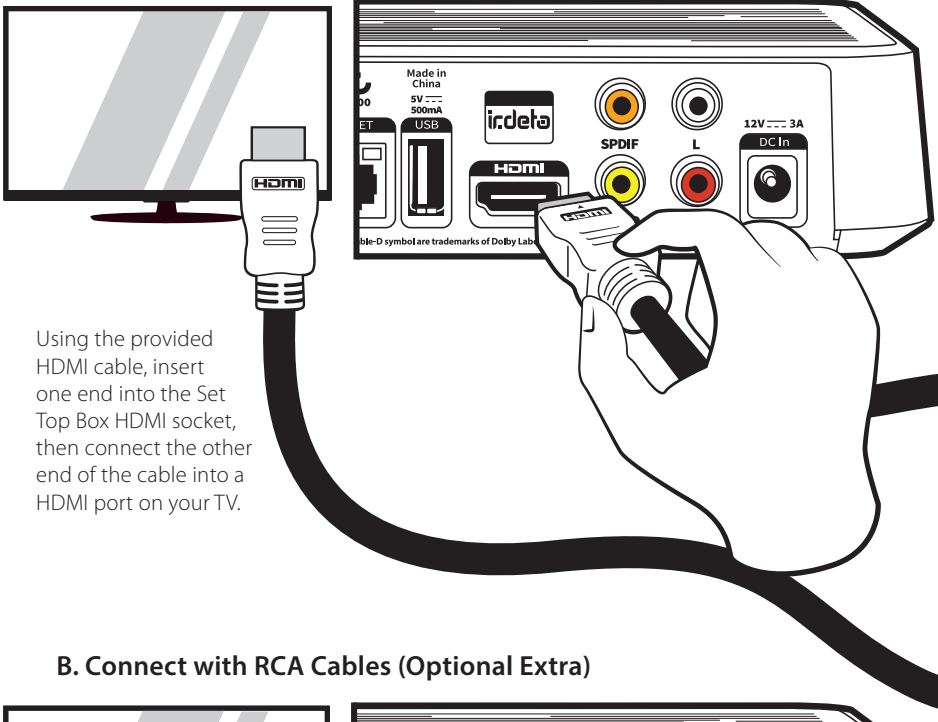
Step 2: Connect Satellite Feed
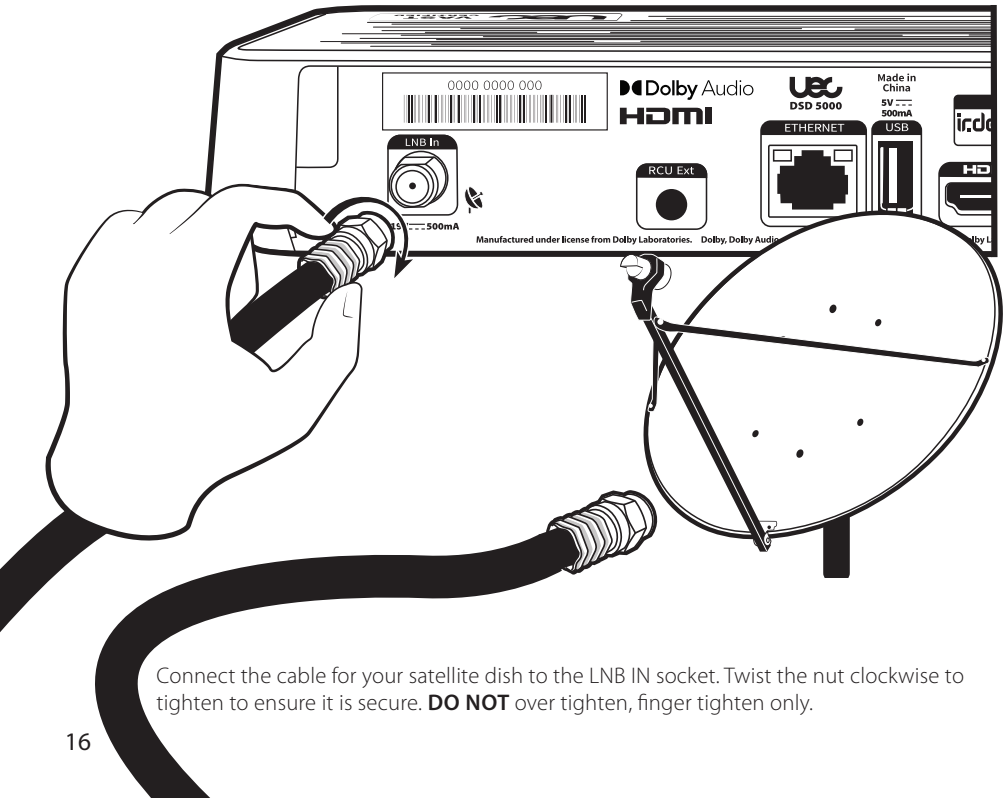
Connect the cable for your satellite dish to the LNB IN socket. Twist the nut clockwise to tighten to ensure it is secure. **DO NOT** over tighten, finger tighten only.

Step 3: Connect Set Top Box to TV

A. Connect with HDMI Cable (provided)

Using the provided HDMI cable, insert one end into the Set Top Box HDMI socket, then connect the other end of the cable into a HDMI port on your TV.

B. Connect with RCA Cables (Optional Extra)

Video *R* *L*
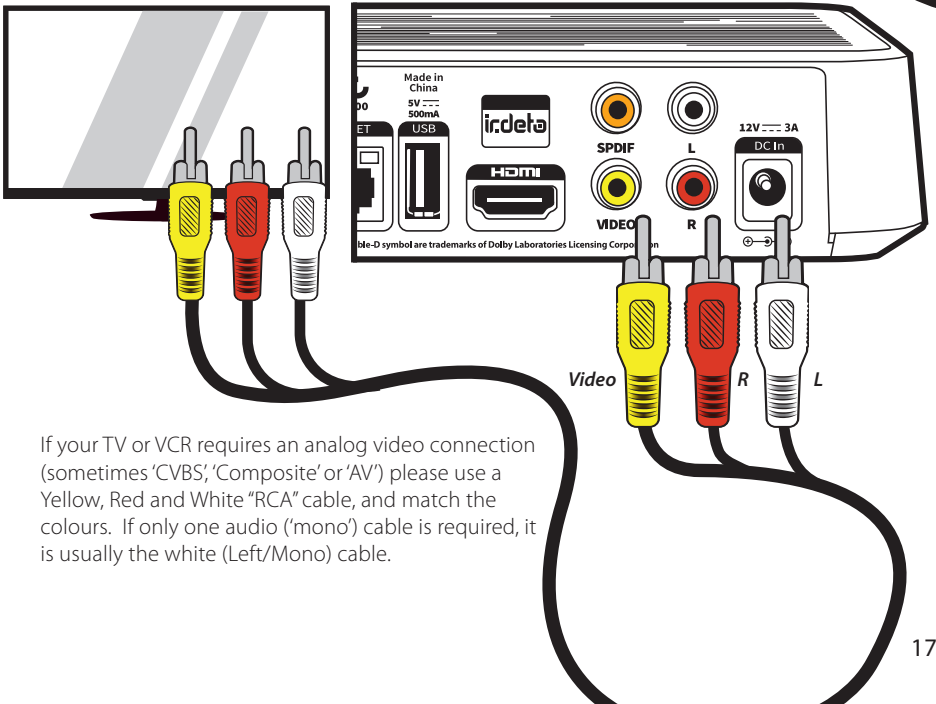
If your TV or VCR requires an analog video connection (sometimes 'CVBS', 'Composite' or 'AV') please use a Yellow, Red and White "RCA" cable, and match the colours. If only one audio ('mono') cable is required, it is usually the white (Left/Mono) cable.

Step 4: Connect Set Top Box to Power Supply Unit
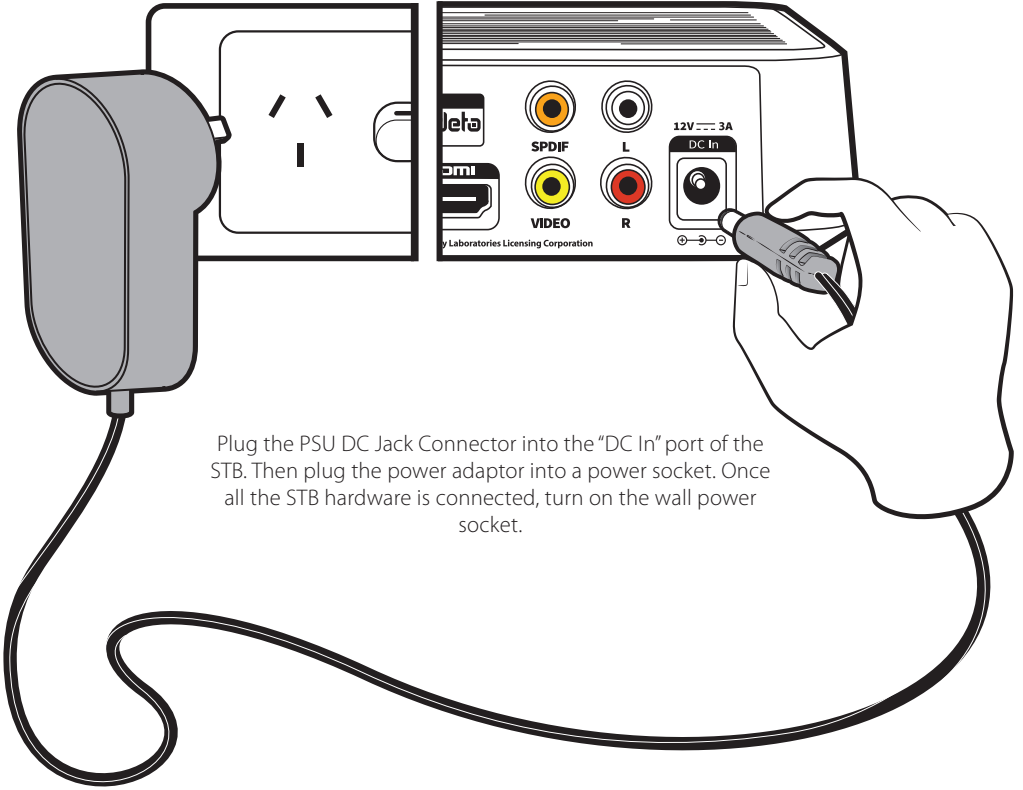
Plug the PSU DC Jack Connector into the "DC In" port of the STB. Then plug the power adaptor into a power socket. Once all the STB hardware is connected, turn on the wall power socket.

First Time Installation

Once the STB hardware has been connected correctly and booted, you will be required to complete the **FIRST TIME INSTALLATION**. This requires you to set your **TV Resolution**, your **Time Zone,** and **scan for available channels.**

Ensure smart card is correctly fitted in your DSD 5000 before beginning the setup wizard to ensure all satellite TV services are found.

To view the STB on your TV, select the source input you connected your STB to. Some TVs have a long list of inputs and don't make physical inputs easy to identify. You may need to select a few different inputs initially. Take care to note which one works.

Step 1: Resolution

First you must set the appropriate display resolution. Your TV is likely to be either 720p or 1080i, however 576i and 576p are provided if required. * To select the resolution use the RCU
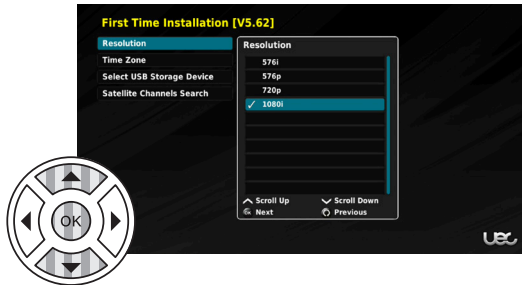
navigation buttons. The Up and Down arrows allow you to select the desired input. Once the required resolution is highlighted, use the *OK* button confirm your selection. A popup window asks if you wish to **KEEP** or **REVERT** the resolution change. If the correct resolution is presented, select **KEEP** and press the *OK* button, otherwise select **REVERT** and the display will return to the default resolution. If you lose the picture after making a selection, the STB will automatically **REVERT** after a few moments.

Step 2: Time Zone

Similarly use the *NAV* buttons to determine your Australian Time Zone. Press *OK* button when the correct **Time Zone** is selected.

---

*If the incorrect resolution is selected, the image may flicker or not work at all. Resolution refers to the HDMI output. The 'Video' output (yellow RCA) is always 576i or standard definition. Some TVs HDMI input may not accept 576i.

First Time Installation

Step 3: Select USB Storage Device

If you have connected a recording device (hard disk drive externally attached), you have the option to select it during the **FIRST TIME INSTALLATION**. See "**External Storage Setup**" on page 37 for further instructions on installing a storage device.

Step 4: Satellite Channels Search

Finally, the STB needs to search for available channels. *
Using the *NAV* buttons, select the **SATELLITE CHANNELS SEARCH** option and press the *OK* button.

Once in the **SATELLITE CHANNELS SEARCH**, press the *OK* button again. Your STB will now automatically search for available satellite channels, this process may take a few minutes.

After removing the smartcard, ensure the card is re-inserted correctly, with the chip facing down and the arrow facing inwards. If your smartcard is missing or not inserted correctly, you will see this error message.

E04-4 Please insert Smart Card

You will see this icon (loading icon) once the searching process has begun, and the number of available channels will be calculated.

* It is critical that your satellite dish is installed correctly, and with a single frequency '10700' LNB (via LNB In port) as recommended by VAST™. See "**Trouble Shooting**" on page 45.

Once the search is complete, a window should appear informing you that the "**Channel Search Finished**"*. The total number of TV and Radio channels you can access, will be dislayed at the bottom of the screen. Press *OK* button to close the **FIRST TIME INSTALLATION** menu. You should now be able to access the **VAST™ Information Channel** (**channel 800**).

Channel 800 is the landing page for VAST™ devices and it provides helpful information about VAST™.

Before you can begin watching Satellite Television, you must register your smart card with VAST™. See "VAST™ Registration Process" on page 22

> Please note each time the STB is started from a fully powered down state the STB will perform **SATELLITE CHANNELS SEARCH** as required by VAST™.

---

*Failing to supply the expected signal will result in no services found. The system requires re-checking. See "**Trouble Shooting**" on page 45.

First Time Installation

VAST™ Registration Process

After a successful channel scan, the following information will be presented to you on **Channel 800**.

- *Welcome to the Viewer Access Satellite Television (VAST™) information channel.*
- *What channels are available on VAST™?*
- *How do I get access to VAST™ channels.*
- *Important information including registration.*
- *Set Top Box – over the air updates.*
- *Contact details for suppliers are shown. Always contact your own equipment supplier in the first instance of needing assistance.*
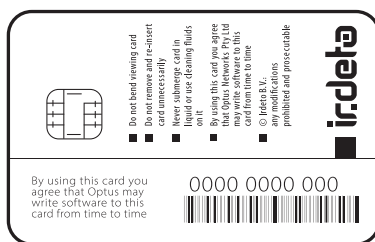
To access VAST™ satellite television programs, you will need to activate your smart card. However, you must have completed the **FIRST TIME INSTALLATION** first. **If you cannot see the VAST™ information screen on channel 800, the smart card activation will not be successful.**
In this case, consult the troubleshooting pages, contact your installer or the **UEC** help line on **(07) 3015 8790.**

How to activate your VAST™ Smartcard.

You can do this by calling or visiting the website of either **MyVAST** (ABC and SBS only) or **MySatTV** (all Free to Air Networks).

MyVAST allows you to access the ABC and SBS channels anywhere in Australia. (**https://www.myvast.com.au/vast**).

MySatTV allows you to access all regional network Commercial Channels, depending on your location.
(**Call Centre Ph: 1300 993 376** or **visit: https://www.mysattv.com.au/**).

Choose the Registration (licence) that suits your needs (standard or travellers registration).

Once VAST™ registration and smartcard activation is successful, all services authorised for your location and STB will be accessible.

General Functions

Remote Control Functions

Power

The ***Power*** / ***Standby*** button turns switches Set Top Box **ON** and **OFF**. It functions the same as the ***Standby*** button on the front face of the Set Top Box unit. Keep in mind this function only controls the UEC Set Top Box. It will not affect your TV or Monitor.

Volume (VOL) Controls

The ***Volume*** buttons control the **output volume** of your Set Top Box. **+** increases the volume, and **-** decreases the volume. When you use the ***Volume*** buttons, the current volume is displayed on your screen as a bar.
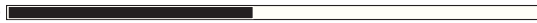
Keep in mind this function only affects the **UEC Set Top Box**. The Volume of your TV or Monitor will also affect the output. If the audio is too quiet, be sure to also check your television's volume.

Channel Controls
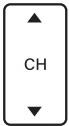
The Channel UP/DOWN button changes between channels sequentially according to the numerical 'logical channel numbers' (LCN) assigned by the broadcasters to their respective channels. CH UP▲ moves forward to the next available channel in the list and CH DOWN ▼ moves back to the previous available channel.

Mute

Pressing the ***Mute*** Button **silences the audio** output of the Set Top Box. To reactivate the audio either press the ***Mute*** button or press a ***VOL*** button.

Keep in mind this function only affects the UEC Set Top Box. The Volume of your TV or Monitor will also affect the audio output.

TV / Radio

Pressing the ***TV/Radio*** button allows you to switch between **Television** and **Radio** services. If you have an AV/Home theatre receiver or soundbar connected to the Set Top Box, you do not need a TV on to listen to the radio.

Subtitles (SUB)

Pressing the ***Subtitle*** button activates **Closed Caption subtitles** to be displayed on screen. Subtitles will work **only if supported by the broadcaster**. Not all programs carry Closed Caption subtitle information.

General Functions

Live Satellite Television

Channel List

While watching Live Satellite Television, press the *OK* Button to view a **full list of available channels.**

While in the **CHANNEL LIST**, there are functions associated with the coloured buttons on your Remote Control.

The Sort Function

SORT: Pressing the *Blue* (4th from left) button while in the **CHANNEL LIST** allows you to select the **order** of which the available channels are displayed. Use the *NAV* buttons to select the sort order.

1. A to Z
2. Z to A
3. Encrypted First
4. Free First
5. Satellite

The Find Function

FIND: While in the **CHANNEL LIST**, press the *Green* (2nd from left) button to activate the **SEARCH** function. The Search function enables you to search through your available channels presents a search bar, and an upper-case QWERTY Keyboard.

BACKSPACE: Within the **SEARCH** Function, pressing the *Red* (1st from left) button functions as a **backspace** button, which deletes any character to the left of the cursor's current position.

CLEAR ALL: While in the **SEARCH** Function, press the *Yellow* (3rd from left) button to **delete all** typed characters.

KEYBOARD SELECT: Pressing the *Blue* (4th from left) cycles through the different **keyboard** options.

• QWERTY (UPPERCASE)

• qwerty (lowercase)

• Symbols

• T9 Input (Alphanumeric Keypad on RCU)

SUBMIT & CLOSE: Once you've completed your search, press the *Green* (2nd from left) button to **submit your search**. This initiates your search. Your Set Top Box will automatically take you to your desired channel after pressing the *OK* Button.
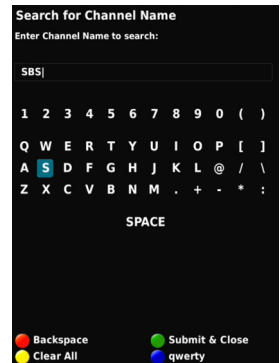
Parental Controls

The Parental Control Rating enables you to block programs and recordings, according to the rating provided by the Broadcaster. See "Parental Controls" on page 35.

Information Banner

info

While on Live Satellite TV, press the *Info* button to present the **INFORMATION BANNER**. The **INFORMATION BANNER** provides you with a **brief description** of the current and upcoming programs. You will also see other useful information like the current date and time, the current channel name and number, the schedule for the current and upcoming programs, satellite signal and quality levels, and a progress bar. The info banner will automatically collapse after an elected period of time (you can adjust the on screen time in **SETTINGS**, default is set to 4 seconds).

info

Press the *Info* button again before the **INFORMATION BANNER** collapses and you will be presented with a **Detailed Description** of the Program information. Other details are also displayed such as the current resolution of the program, the display format, the age rating of the program, and whether subtitles are available.

While the **INFORMATION BANNER** is displayed, use the *up* and *down NAV* buttons to view other channels and their program's information.

While the **INFORMATION BANNER** is displayed, use the *left* and *right NAV* buttons to view the information of the next upcoming program.

info

Press the *Info* or *Exit* button again to collapse the **INFORMATION BANNER** and **Details**.

Main Menu

The Main Menu

(MENU) All the features of the UEC Set Top Box can be accessed through the **MAIN MENU.** Press the *MENU* button on your remote control to access the main menu.
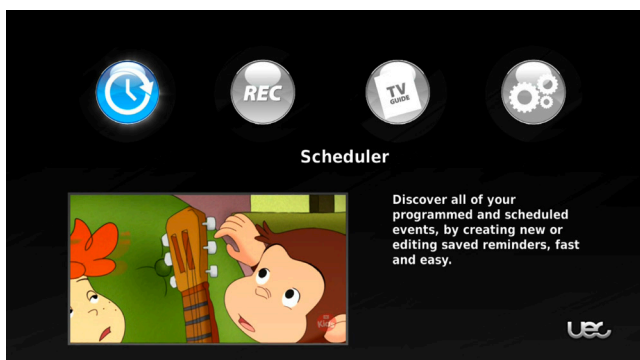
SETTINGS: Check or Edit the configuration of your Set Top Box. See page 27.

ELECTRONIC PROGRAM GUIDE (EPG): View all current and upcoming programs from all available satellite channels for the next 8 days. * See page 38.

SCHEDULER: Schedule recordings, view scheduled recordings, and set reminders if a recording device is attached. See page 40.

RECORDINGS: View, edit and delete recorded programs on an attached recording device. See page 43.

The following pages contain information on using and understanding the features accessible from this main menu.

Settings

Understanding and navigating the settings menu.

The Settings menu is where you will find the full range of configuration options and information pertaining to your specific Set Top Box.
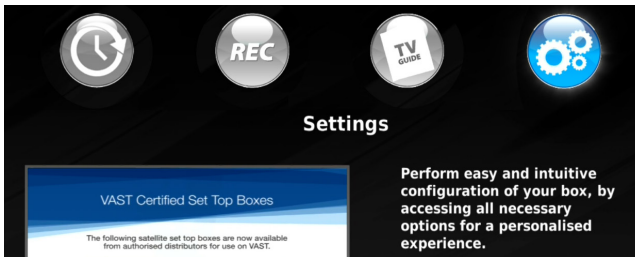
In the settings menu you have full, unlimited access to many functions and settings that have the potential to change the functionality of your Set Top Box. For your convenience, settings that could cause errors or problems have ❗ label (in this manual).

Many of the potentially troublesome settings are configured during the **First Time Setup**, and therefore not to be changed without necessity or guidance from a specialized technician. If you should have issues with your UEC Set Top Box, please contact your installer, or contact the **UEC Service Centre on (07) 3015 8790.**

Press the **OK** Button to enter the Settings Menu.
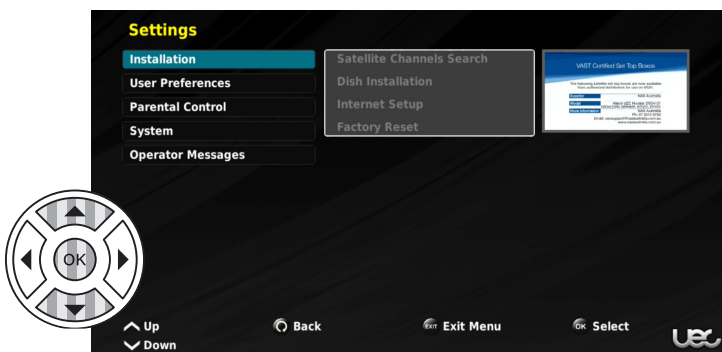
The settings menu is divided into sub-menus. The following pages will go into further details regarding each setting, it's functionality and associated action.

Installation Settings

Some settings require you to **input a PIN-code** with your remote control to enter or make changes. The PIN-code for the Set Top Box is: **1234**
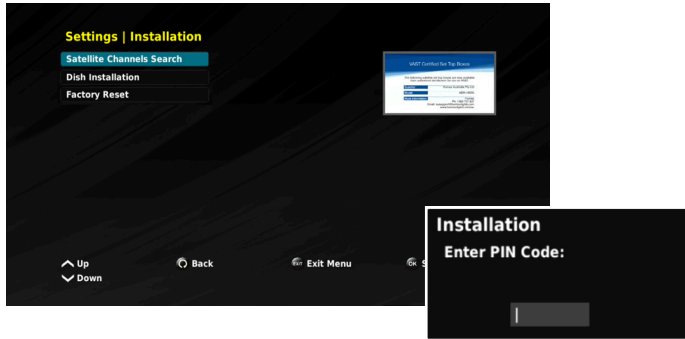
Installation

To access the **INSTALLATION** menu, you will be required to enter the PIN-Code: **1234**
Within this menu you have access to:

- **Satellite Channel Search**, (configured during **FIRST TIME SETUP**) ❗
- **Dish Installation**, (configured during **FIRST TIME SETUP**) ❗
- **Factory Reset**. ❗

Satellite Channel Search

❗ To conduct a **Satellite Channel Search**, enter the **INSTALLATION** menu, and **select SATELLITE CHANNELS SEARCH**.
By default, the Tuning Parameters are set to access **Optus VAST™ services,** however
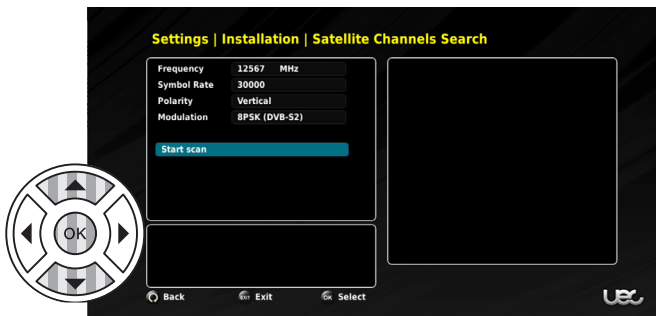
you are able to select the **Frequency**, **Symbol Rate**, **Polarity** and **Modulation**, if required. To edit the tuning parameters, use the **NAV** buttons to select the setting. Select **START SCAN** to **search for satellite channels.**

Installation Settings

Dish Alignment Help

(HELP) While in the **SATELLITE CHANNEL SEARCH** press the *HELP* button on your RCU to open the **DISH INSTALLATION MAP**.
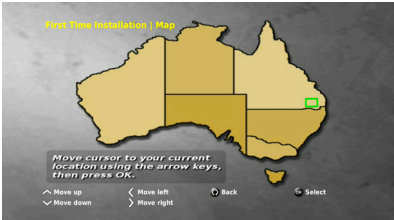
This function presents you with a map of Australia. Use the *NAV* buttons to move the cursor to your current location, then press the *OK* button. The STB will calculate the required Satellite Dish alignment, and provide the angles required to align the dish for your location.

The Bearing in degrees is calculated in relation to 'True North'. If you use a magnetic compass, you may need to correct 'Magnetic Declination'. See http://www.ga.gov.au/webtemp/image_cache/GA17167.gif
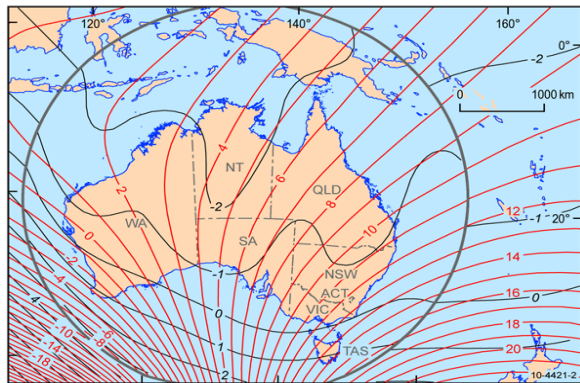
Declination, Australian Geomagnetic Reference Field model 2010 at 2010.0
—— Declination angle (°)
—— Annual rate of change of declination ('/year)
—— AGRF model area
Contours outside the circle are derived from IGRF-11.

! Dish Installation

To **connect a satellite dish**, enter the **INSTALLATION** menu, and *select* **DISH INSTALLATION**. First, select your switch mode, either **DiSEqC 1.0** or **DiSEqC 1.2** by using the *left* and *right NAV* buttons. To select the **satellite options,** press *down* on the *NAV* buttons, and then press the *OK* button while the **satellite** is highlighted.

The advanced satellite settings will now be shown where you can select the **satellite**, **LNB Type**, and **DiSEqC port**. While DiSEqC is highlighted, press the *Green* (2nd of left) button to access **ADVANCED DiSEqC OPTIONS**.

29
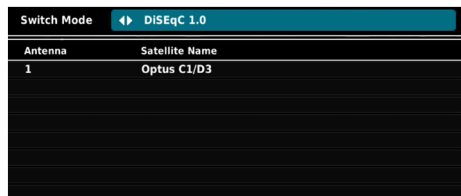
Installation Settings

Factory Reset

> **!** Warning! Before performing a factory reset be aware all **USER PREFERENCES**, **DATA** and **SETTINGS** will be erased permanently (other than Parental Control Settings and LNB settings). The Set Top Box will return to the default state. Do not confuse Factory Reset with System Reboot (restart).

To perform a **Factory Reset**, you must enter the **INSTALLATION** settings menu. Use the **NAV** buttons to highlight the "**Factory Reset"** function. Press the **OK** button. A popup will appear and ask you to confirm to "Reset to Factory Defaults".
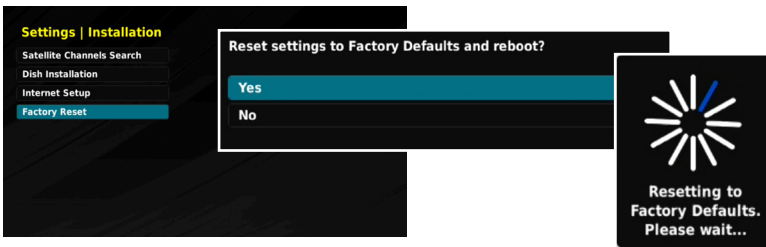
Select **YES** using the **NAV** buttons. Next, your Set Top Box will reboot, this may take a few minutes. When your STB starts you will be at the **FIRST TIME INSTALLATION** menu (see page 19). Follow the on-screen prompts to setup your Set Top Box.

User Preferences

The user preferences settings allow for more in depth customization of several features, such as PVR setup, video resolution, the audio output, and language settings.
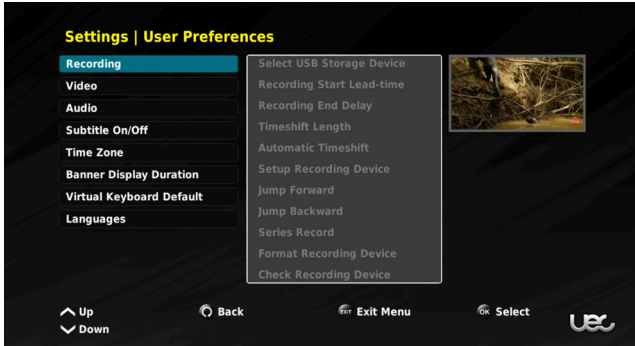

Within this menu you have access to:

- **Recording**,
- **Video**,
- **Audio**,
- **Subtitles**,
- **Time Zone**,
- **Banner Display Duration**,
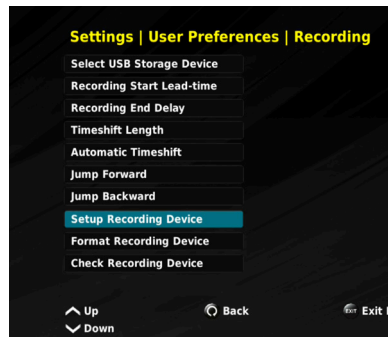- **Virtual Keyboard Default**, and
- **Languages.**

Use the **up** ▲ and **down** ▼ **Nav** buttons to navigate the listed items.

Recording

Depending whether a hard drive or USB stick is detected will determine the options available within this menu. Press the **right** ▶ **Nav** button to enter settings or view details.
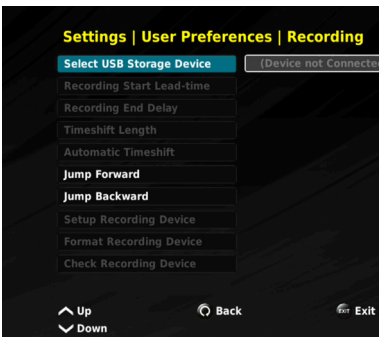
Without PVR Capability   *With PVR Capability*

User Preferences

The RECORDINGS menu functions:

SELECT USB STORAGE DEVICE: This allows you to select the compatible recording device. External or inbuilt Hard Drive.

RECORDING START LEAD TIME: By default this setting is set to 5min. This means that before any recording, the preceding 5 minutes of the broadcast will also be added to your recording to ensure you do not miss anything. This setting can be set between 0min-30min. This feature is dependent on the **TIME-SHIFT** ability. See "Understanding Time-Shift Ability" below.

RECORDING END DELAY: Similarly the Recording End Delay, this feature adds additional time to your recording, ensuring any delays by the broadcaster will not disrupt your recording. By default, the End Delay is set to 30min, but it can be set between 0min-120min.

TIME-SHIFT LENGTH: As mentioned in "Understanding Time-Shift Ability" below, this feature sets the time of which live TV is recorded in the background. By default this is set to 30min, but you can set various intervals between 15min-120min.

TIME-SHIFT: This option turns the "Time-Shift" function ON/OFF. If your Set Top Box is PVR enabled, this feature is by default ON. See "Understanding Time-Shift Ability" below.

JUMP FORWARD: This setting directly affects the *Fast Forward* (FWD) Button. This setting can be set to 10min, 20min, 30min.

JUMP BACKWARDS: This setting directly affects the *Rewind* (REW) Button. This setting can be set to 10min, 20min, 30min.

FORMAT RECORDING DEVICE: This feature prepares the connected hard drive for Personal Video Recording (PVR) from the Set Top Box. **BEWARE! This will remove any existing data on the storage device.**

CHECK RECORDING DEVICE: This feature tests whether the Hard Drive can record and play back content reliably.

Press the *back* Button or the *left ◀ Nav* to return to **USER PREFERENCE** sub-menu.

Understanding Time-Shift Ability:

If your Set Top Box has PVR capabilities and hard drive space available, then it will also have the "**Time-Shift**" feature. **Time-Shift** means your STB is **always recording in the background** of the broadcast that you are currently viewing. This allows you to **PAUSE**, **REWIND**, and **RE-WATCH** the live broadcast. By default the "**TIME-SHIFT LENGTH**" is set to 30min.

Video

The Video menu enables you to make changes to the Video Settings on the Set Top Box. This is especially useful if you decide to connect your Set Top Box to a different television or monitor. Within this menu you have access to:

- **Resolution**,
- **Screen Ratio**, and
- **Display Format**.

Press the **right ▶ Nav** button or the **OK** button to enter settings or view details.

Audio

The Audio menu allows you to edit your audio settings. These settings are essential if additional audio equipment is added to your system. Always ensure you choose the audio options that are compatible with your television. Broadcaster content or your television capability may adversely affect the sound quality of Dolby Digital programs.

Within this menu you have access to:

- **SPDIF Digital Audio Output**,
- **HDMI Digital Audio Output**, and
- **Audio Description On/Off**.

Press the **right ▶ Nav** button or the **OK** button to enter settings or view details.

SUBTITLES ON/OFF: Select whether subtitles are **ON** or **OFF** by default. Subtitles can also be activated by the Remote Control, by pressing the **SUB** button.

TIME ZONE: You can set the Time Zone according to the Australian States and Territories.
BANNER DISPLAY DURATION: Set the duration of time in which on-screen banners are displayed. This can be set between 1sec to 29sec.

VIRTUAL KEYBOARD DEFAULT: The Virtual Keyboard Default feature allows you to choose between what on screen keyboard is displayed initially. This setting by default is ON, which presents the QWERTY keyboard. When this setting is OFF the T9 Input (Alphanumeric Keypad on RCU) is the initial keyboard input.

LANGUAGES: This feature allows you to set your **1st** and **2nd AUDIO LANGUAGE** preference. The **broadcaster must provide the audio in your preferred language**, otherwise the audio will default to English. Below is the full list of languages on the STB.

• English	• Dutch	• Italian	• Swedish
• Australian	• Finnish	• Japanese	• Tagalog
• Afrikaans	• French	• Malay	• Tamil
• Arabic	• German	• Norwegian	• Turkish
• Bengali	• Greek	• Persian	• Urdu
• Chinese	• Hindi	• Portuguese	• Ukrainian
• Czech	• Hungarian	• Punjabi	
• Danish	• Indonesian	• Spanish	

Press the **back** Button or the **left ◀ Nav** to return to **USER PREFERENCE** sub-menu.
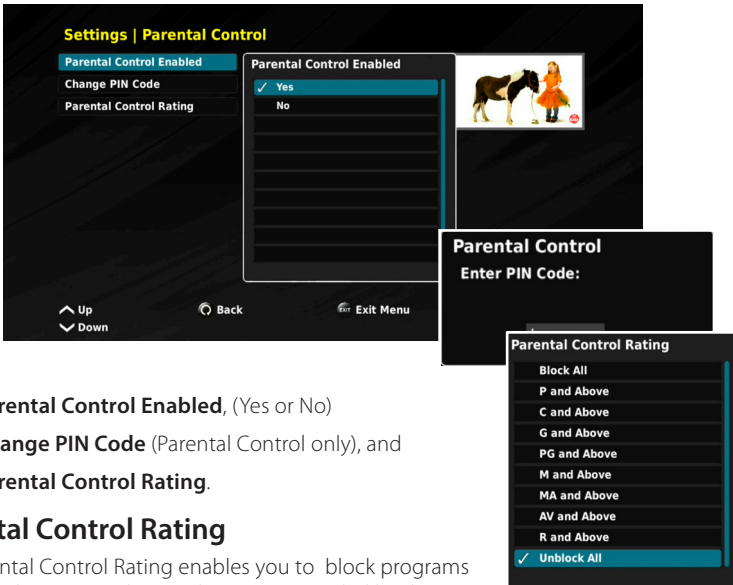
Parental Controls

Parental Control

To access the **PARENTAL CONTROL** menu, you will be required to enter the default PIN-Code: **1234**

Then press the *OK* button.

Within this menu you have ability to:

- **Parental Control Enabled**, (Yes or No)
- **Change PIN Code** (Parental Control only), and
- **Parental Control Rating**.

Parental Control Rating

The Parental Control Rating enables you to block programs and recordings, according to the rating provided by the Broadcaster. The Parental Control PIN Code is required to access blocked programs and recordings.

Parental Control Incorrect PIN-Code

The user has **3** opportunities to input the correct parental control PIN-code. If the incorrect PIN is entered 3 times, the Set Top Box will **automatically lock-up**, except for access to the Settings Menu. To resolve this issue you must preform a **FACTORY RESET**. If a **FACTORY RESET** is required, all **settings will return to their defaults**, except for the **LNB Settings** and **the PARENTAL CONTROL** settings **which will remain as they were before the reset**.

System

The system menu allows you to view the Set Top Box system information.
Within this menu you can access:
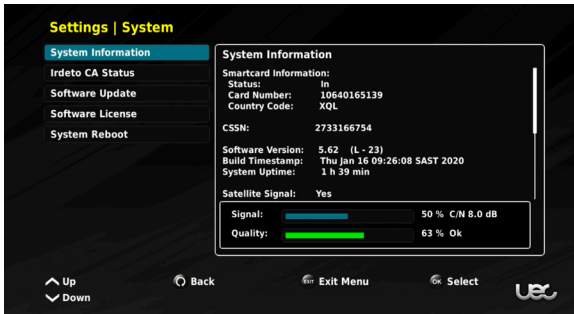
- · **System information**,
- · **Irdeto CA Status**,
- · **Software Update**,
- · **Software License**, and
- · **System Reboot**.

SYSTEM INFORMATION: Provides you with details, statistics and information about the Set Top Box and attached peripherals.

Irdeto CA Status

This menu provides you with access to Smart Card specific information. The sub-menus for Irdeto CA Status are:

- · **Smart Card Status**,
- · **Softcell Service Status**, and
- · **Loader Status**.

SOFTWARE UPDATES: Typically **SOFTWARE UPDATES** are performed **automatically Over the Air** (**OTA**). If an update is required, it will be initiated once the Set Top Box has been taken off standby. If you require a **MANUAL SOFTWARE UPDATE**, either visit:
https://uec.com.au/downloads/software-updates
or contact the UEC Service Centre on: **(07) 3015 8790.**

SOFTWARE LICENSE: With this feature you can view the software license.

SYSTEM REBOOT: If the need arises you can perform a **SYSTEM REBOOT** (restart). Doing this **may fix some minor issues** you may have. You can also press the standby button on the front of your Set Top Box for 4 seconds to perform a reboot.

External Storage Setup

Connecting an External Storage Device

By connecting a compatible external storage device, such as a External Hard Drive or USB Stick you will be able to access the Personal Video Recorder functions of this STB.
We recommend using the Toshiba 1TB Canvio HDD Portable Hard Drive.[*]
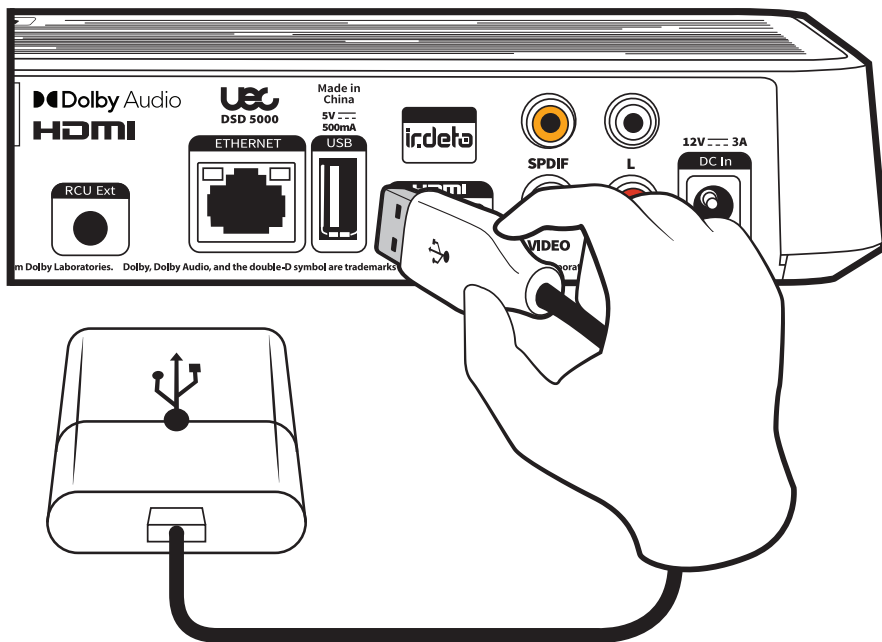
Step 1: Connect External Storage
Plug the external drive into the USB port on the back of the Set Top Box. Ensure the cable is connected to the External Hard Drive.

Step 2: Open Settings Menu
Press the **MENU** button on your Remote Control. Using the **NAV** buttons, select the **SETTINGS** menu and press the **OK** button.

*Visit **https://uec.com.au/support/supported-hard-drives** to see a full list of compatible storage devices.

Step 3: Go To Recording Settings

Navigate to the **SETTINGS** menu.
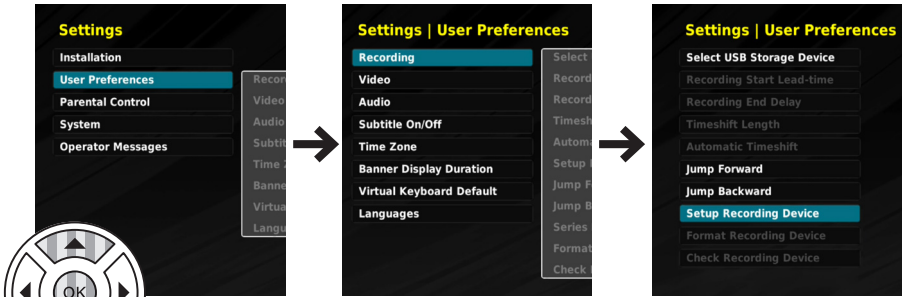
Settings > User Preferences > Recording

Step 4: Setup Recording Device

Select "**SETUP RECORDING DEVICE**" and press the *OK* button. Select the External USB you connected, and press the *OK* button. Select the "**File Format**", which is **EXT4 (Linux)** and press the *OK* button. Next you will need to wait for the USB to be formatted.
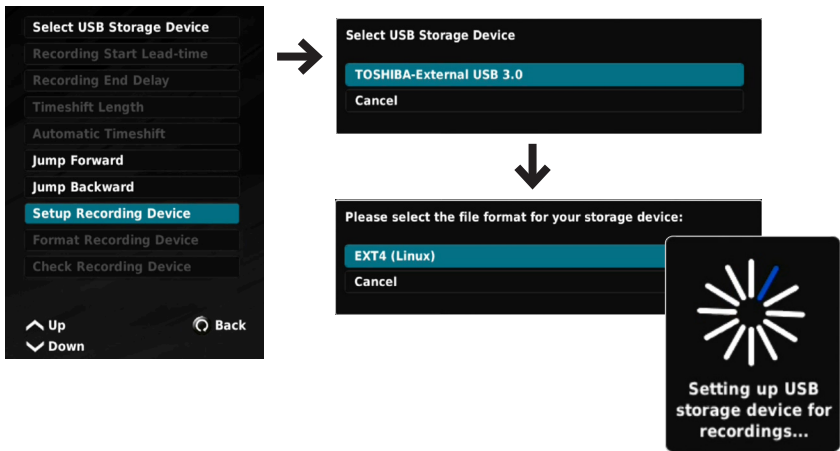
Once the process is completed, you can use the **Personal Video Recorder** Functions, such as **MY RECORDINGS**, and the **SCHEDULER.**

Electronic Program Guide (EPG)

Electronic Program Guide (EPG)

The Electronic Program Guide gives you the ability to view all current and upcoming programs for the next 8 days (if provided by individual channel broadcasters).
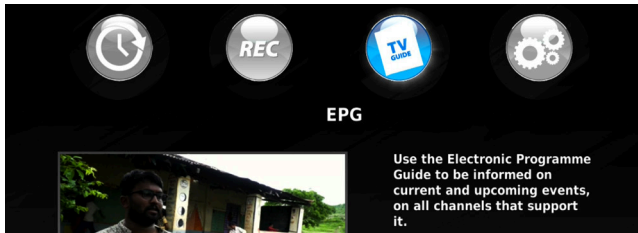
GUIDE   **QUICKLY ACCESS EPG:** Press the *GUIDE* button on the remote control to directly access the **ELECTRONIC PROGRAM GUIDE** menu.

While in the **EPG**, you can navigate the previewed programs using the *NAV* buttons. While navigating, the highlighted program is selected.

While the **EPG** is displayed, use the *up* and *down NAV* buttons to navigate the channels.

While the **EPG** is displayed, use the *left* and *right NAV* buttons to highlight the program according to its designated time slot.

To view the scheduled programs for the next 8 days, use the *Yellow* (3rd to left) button to view the **next day**, and the *Green* (2nd from left) button to view the **previous day**.

Alternative EPG Views

(GUIDE) While in the **ELECTRONIC PROGRAM GUIDE**, press the *GUIDE* button on your remote control, to cycle through different viewing options.

View all current programs.

View all up coming programs by channel.

Recording inside EPG

You have the ability while within the **ELECTRONIC PROGRAM GUIDE** to **set reminders and record programs** and series.

● **RECORD:** Press the *Red* (1st from left) button while the desired program is highlighted to set the **recording** or **reminder**.
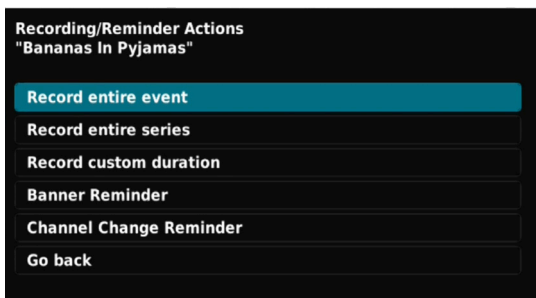
Select the desired action and follow the on-screen prompts.

● **EVENT SEARCH:** The event search allows you to see a list of upcoming episodes for a specific program. While in the **EPG**, highlight the desired program and press the *Blue* (4th from left) button.

[info] While in the **EPG**, press the *Info* button while your desired program is highlighted to present the **INFORMATION BANNER**, which contains a brief description and other program details.
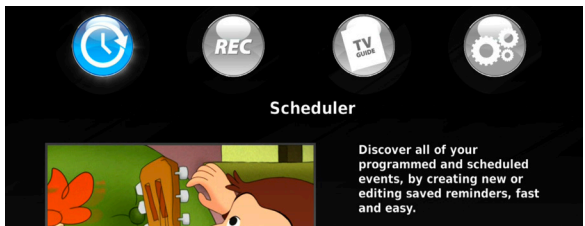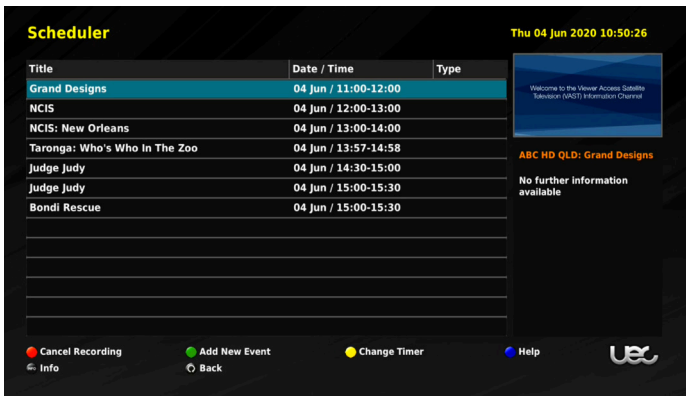
Scheduler

Scheduler

This feature is only available if your Set Top Box is equipped with a recording device (USB stick / hard disk drive) either internally or externally attached.*

The **SCHEDULER** feature allows you to view and **manage your pending and upcoming recordings**.

Only recordings that have been scheduled, or are currently recording will appear in this menu. **Completed recordings are not accessible** in this menu, they can be accessed in the "**RECORDINGS**" menu.

*Recording with the DSD 5000 is only available if you have connected and formatted a compatible external USB stick or hard drive.

Schedule a New Event

While in the **SCHEDULER** you can set a new event by pressing the *Green* (2nd from left) button.

New Event Type

Manual Recording
Channel Change Reminder
Banner Reminder
Go back

In this menu you can set:

1. An upcoming recording,
2. A channel change reminder, and
3. A banner reminder.

Manual Recording

When scheduling a new recording in the **SCHEDULER** you must select the **Channel**, **Date**, **Start Time**, and **Total Duration** (mins) of the program you wish to record.

New Manual Recording

Title	14:35-16:05 ABCComedy/Kids Q...
Channel	**ABCComedy/Kids QLD**
Date	28.04.2020
Start Time	14:35
Duration (mins)	90
Repeat	Single Recording

Change Channel   Schedule   Cancel

You also have the ability to set a **Custom Title** for your Recording, and for series recordings, you can set whether the event will **repeat**. The repeat options are:

- Single Recording,
- All Episodes,
- Daily,
- Weekdays,
- Weekends, and
- Weekly.

While in the **MANUAL RECORDING** Menu, the *Green* (2nd from left) button action changes depending on the highlighted field.

For example, while the **Channel** Field is selected, press the *Green* (2nd from left) button to **select a different channel** to record from.
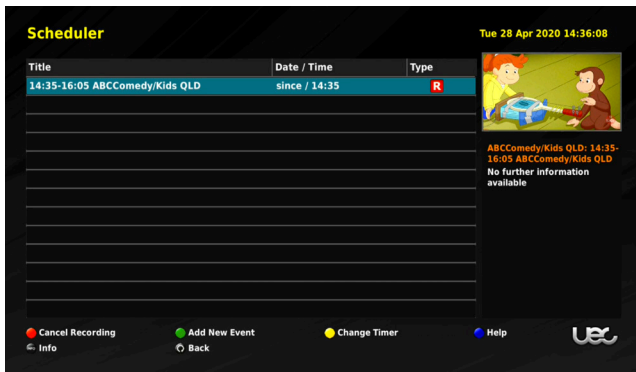
Scheduler

Managing Scheduled Recordings

Once a recording is scheduled, the **Coloured Function Buttons** now have further actions.

🔴 **CANCEL RECORDING OR REMINDER:** Press the **Red** (1st from left) button while the desired event is highlighted to cancel or delete it.

🟢 **ADD A NEW EVENT:** Press the **Green** (2nd from left) button to add a new recording or reminder.

🟡 **CHANGE TIMER:** Press the **Yellow** (3rd from left) button to edit the Timer.

🔵 **HELP:** Press the **Blue** (4th from left) button to get help.

To close this function press the **EXIT** button on your remote control.

Description of Icons

(HELP) While in the scheduler press the **HELP** button to see the **Icons** and their descriptions.

Event Based Recording in progress

Custom Duration Recording in Progress

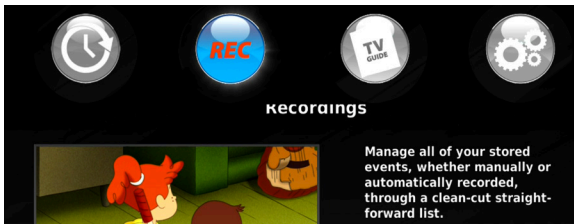**Series Recording Scheduled**

Banner Reminder Scheduled

Channel Change Reminder Scheduled

REC **Recordings**

> This feature is only accessible if your Set Top Box is equipped with a recording device (USB stick / hard disk drive) either internally or externally attached.*

The **RECORDINGS** menu allows you to **watch and manage the recordings stored on your hard drive**. Information about each program is also stored with the recordings.

Manage all of your stored events, whether manually or automatically recorded, through a clean-cut straight-forward list.

PVR **QUICKLY ACCESS RECORDINGS:** Press the *PVR* button on the remote control to directly access the **RECORDINGS** menu.

● **INITIATION RECORDING:** While **watching live TV,** pressing the *Record* button will initiate the recording function immediately.

You can record two programs from different channels, and you can watch live satellite TV simultaneously. This 'multiple watch/record' feature depends on the broadcaster's allocation of channels on the satellite. This functionality will vary by region.

My Recordings

1 / 8   Recording Capacity: 97 % free (978.48 / 998.80 GB)

Date	Title	Duration	PG	Type	Status
Tue 2 Jun 20	Friends	1h 05min	PG		●
Tue 2 Jun 20	Star Trek: Voyager	1h 29min	PG		●
Tue 2 Jun 20	Frasier	0h 34min	PG		●
Tue 2 Jun 20	Star Trek: Enterprise	1h 04min	PG		●
Tue 2 Jun 20	Soundtracks: Songs That Defined H...	1h 25min	PG		●
Tue 2 Jun 20	American Pickers	1h 33min	PG		●
Tue 19 May 20	Grand Designs	1h 13min	G		●
Tue 19 May 20	Noddy Toyland Detective	0h 43min	G		●

All recordings, past and current are listed in the **RECORDINGS** menu. The data displayed in this menu are the **Date**, **Title**, **Duration**, **PG**, **Type** and **Status** of your recordings:

- **Date**: the day and date of the recording.

- **Title**: the default or custom title set for that recording.

- **PG** (**Parental Guidance**): This column displays the recommended age rating of the recorded broadcast. If **Parental Control** is active, recordings that are higher than the selected range will be blocked.

- **Type**: This column displays whether a recording is locked.

- **Status**: This column displays the status of the recording, and if it has been watched.

*Recording with the DSD 5000 is only available if you have connected and formatted a compatible external hard drive.

Recordings

Description of Icons

(HELP) While in the scheduler press the *HELP* button to see the **Icons** and their descriptions.

**Event Based
Recording in Progress**

**Custom Duration
Recording in Progress**

**Series
Recording Scheduled**
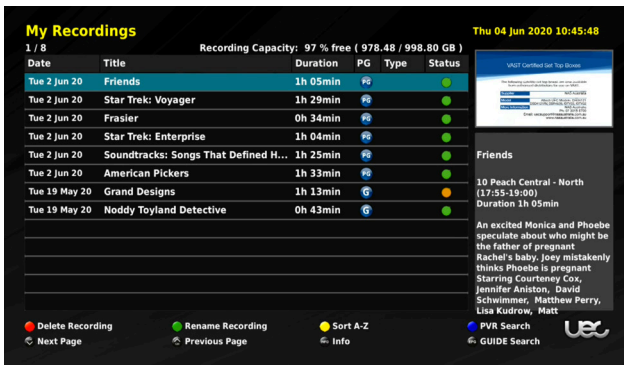

**Completed
Recording (Ticked for Viewed)**

**Incomplete
Recording (Ticked for Viewed)**

**Error Encountered
During Recording**

In the **MY RECORDINGS** menu you can manage all the recordings stored on your hard drive. The following functions only apply if there are recordings stored on your hard drive.

DELETE RECORDING: Press the *Red* (1st from left) button while the desired event is highlighted to delete it.

RENAME RECORDING: Press the *Green* (2nd from left) button to **rename the recording** with the on screen keyboard.

SORT: Pressing the *Yellow* (3rd from left) button while in the **MY RECORDINGS** menu allows you to select the **order** of which your recordings are displayed.

PVR SEARCH: Pressing the *Blue* (4th from left) button while viewing your recordings will allow you to **search** your recordings with the on-screen keyboard.

Trouble Shooting

Below is a list of common problems you may run into while operating your Set Top Box. Please carefully read the list below.

The STB will not switch ON. None of the LEDs are ON.
Check the connection of the external power supply PSU at the wall socket and ensure it is switched ON. If it is connected correctly the Green power LED on the power supply should be lit. Check if the power jack on the STB's rear panel is securely connected. Try another power point.

No channels found on start up
Go to Restart and Factory reset.
Check Smartcard is correctly inserted.
Check the Satellite Status Bar (dish correctly pointed).

No picture
Check if TV and STB are ON (not in standby mode).
Check that all of the cable connections to the STB and TV are secure.
Check that the TV has the correct input source selected (TV, AV1, AV2, HDMI...).

No sound
Check the mute button on the TV or STB, to restore the sound press the mute button again.
Check the volume is not turned all the way down. To increase the volume, press the Vol+ button.
Check connection of the Audio cables to the STB and TV / Home Theatre.

Remote control does not work
Check if TV and STB are ON (not in standby mode).
Check that your RCU LED Light lights up when a button is pressed, if not, change your batteries.
If the RCU LED Light lights up RED:
Check that there are no obstructions between you and the STB, aim directly at the STB, and not the TV, and then try again.

If problems persist, please contact the UEC Service Centre on: (07) 3015 8790.

Legal Matters

Important NOTICE to all purchasers of a DSD 5000 Set Top Box:

The DSD 5000 Set Top Box is designed, manufactured and sold to receive selected network services only. It will therefore not be fully functional unless it is used with the network operator's enabled Smartcard supplied with the DSD 5000 Set Top Box, deployed within the Australian broadcast footprint, and installed so as to receive the network specific signal.

> The smartcard is unique to each decoder and cannot be replaced or changed with another decoder.
>
> The network operator is entitled to upgrade the software by downloads to your decoder, to ensure that only approved services are being received, and that the decoder remains compatible with the networks platform.

Obsolescence Disclaimer

Digital Satellite Technology is rapidly evolving. As a result of this, it is not possible to predict what the requirements will be in a few years' time. The manufacturer cannot guarantee that this DSD 5000 Set Top Box will be able to run all available services in future.

DIY Installations Disclaimer

Due to the many potential configurations in each home and the variety of equipment available, it is not possible to cover every potential installation scenario in this Viewer's Guide. An Accredited Installer or the supplier / manufacturer of the specific equipment should be consulted if any doubt exists when doing an installation.

Dolby Audio Logo

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

HDMI Logo

The Adopted Trademarks HDMI, HDMI High-Definition Multimedia Interface, and the HDMI Logo are trademarks or registered trademarks of HDMI Licensing Administrator, Inc. in the United States and other countries.

RCM

The RCM Logo is a visible indication of a product's compliance with all applicable ACMA regulatory arrangements, including all technical and record-keeping requirements.

UEC

UEC is a registered trademark of NAS Australia.

Intellectual Property

The DSD 5000 Set Top Box Basic Viewer's Guide, including the graphics, menus and information contained herein are the subject of intellectual property rights, including copyright, under domestic law and international conventions. All rights are reserved.

All intellectual property rights of the DSD 5000 Set Top Box are owned by NAS Australia.

Pirating or circumventing of the conditional access system or facilitating anyone else doing so is STRICTLY PROHIBITED. Failure to adhere to this prohibition is a criminal offence.

Some components are licensed under GPL and LGPL licenses. For further information regarding the licenses and which components are licensed under these licenses please visit www.altech-multimedia.com

Support Information – NAS Australia

28 Newstead Terrace, Brisbane, Australia
Telephone: 07 3015 8700
Internet: www.nasaustralia.com.au

DSD 5000

Website: uec.com.au

UEC Service Centre: (07) 3015 8790