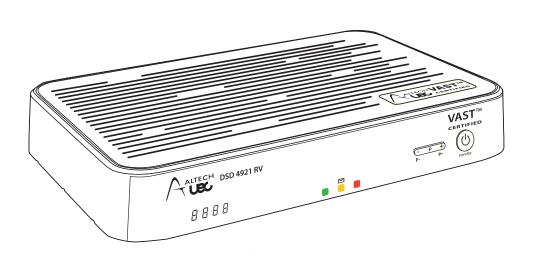


DSD 4921 RV USER MANUAL







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Important Notes



The DSD 4921 RV User Manual is the subject of intellectual property rights, including copyright, under domestic law and international conventions.

All rights are reserved. The DSD 4921 RV User Manual supplements the information supplied with the packaging of the STB as well as the detailed information available on our website. Due to software upgrades, the features and functionalities in this User Manual may differ from those on your STB.

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.

Abbreviations & terms

| NAS | NAS Australia (importer, distributor and service authority). | |
|---------|---|--|
| VAST™ | Viewer Access Satellite Television. | |
| STB | DSD 4921 RV 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. | |

Warranty and Safety

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 2 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 vehicles 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.

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.

- 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.
- 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 manufacturer-authorised 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 mains 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.

Warranty and Safety

To avoid electric shock:

- · Never open the main body of the STB.
- Do not insert metal or inflammable material through vents.
- Never touch the mains power plug pack with wet hands.
- Disconnect the mains 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 mains 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/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 considered as not intended and can lead to damage or even personal injury and may void the guarantee / warranty.

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 4921 RV SET TOP BOX

Thanks for purchasing this DSD 4921 RV 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 unpacking 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.





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*,
- Catch-up streaming portal supported,
- MS PlayReady,
- · 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 standby,
- 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/2A) with reverse polarity protection, and
- 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

Ethernet Cable Computer / LAN / Router Cable

External HDD External Hard Disk Drive

IR RCU ExtenderAccessory for Discreet Installation and UseAV CableAnalog Connection to TV or Sound System12V Auxiliary CablePSU Accessory for use in RV or Caravan

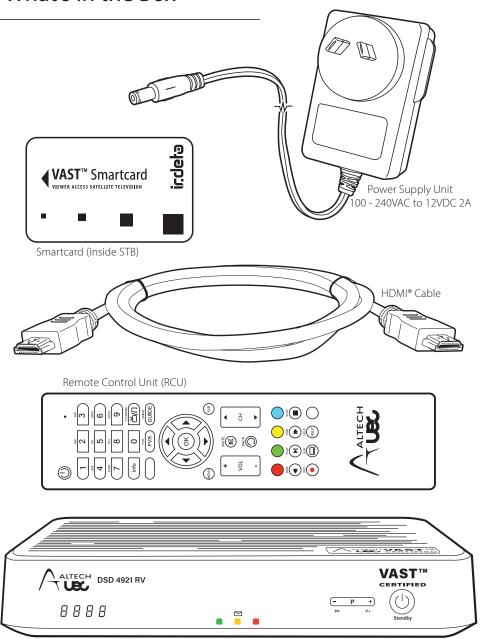
Installation Bracket A bracket accessory is available to mount the STB onto a

fixed surface

A wired internet connection through a router is necessary to use the UEC Streaming Portal. In addition the installation will require a satellite dish, LNB and associated cabling.

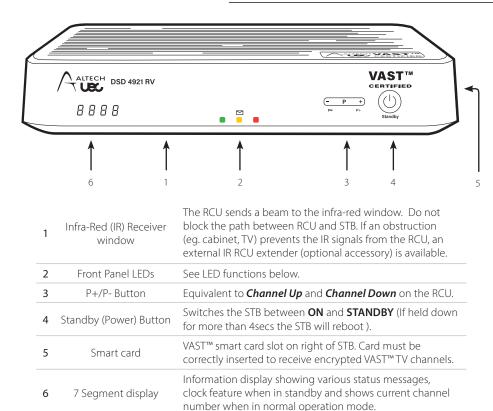
^{*}Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories.

What's in the Box



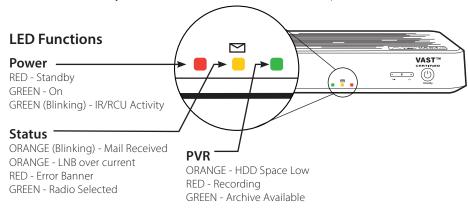
Set Top Box

Front Panel

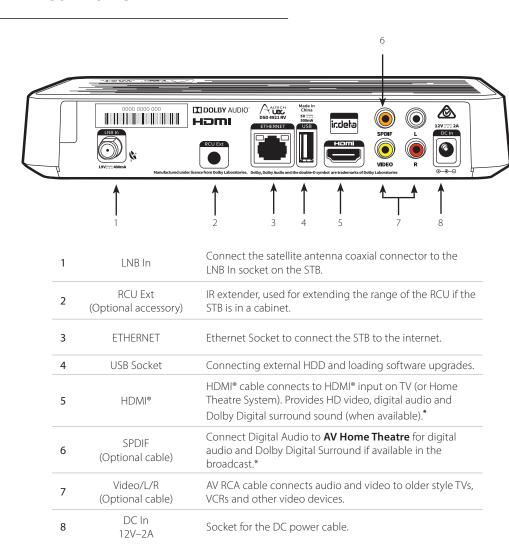


RESTART Button

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.



Rear Panel

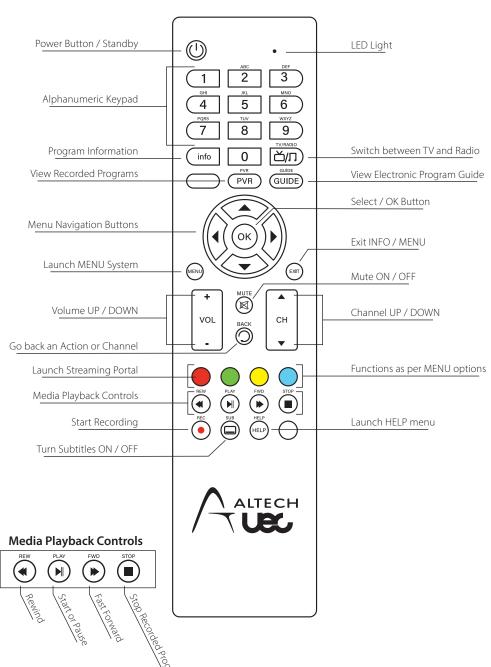


NOTE: Dolby Surround Sound*

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.

 $^{^{\}star}$ Dolby, Dolby Audio, and the double-D symbol are trademarks of Dolby Laboratories.

Remote Control Unit



Remote Control Unit

Navigation (NAV) Buttons

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 \it{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.



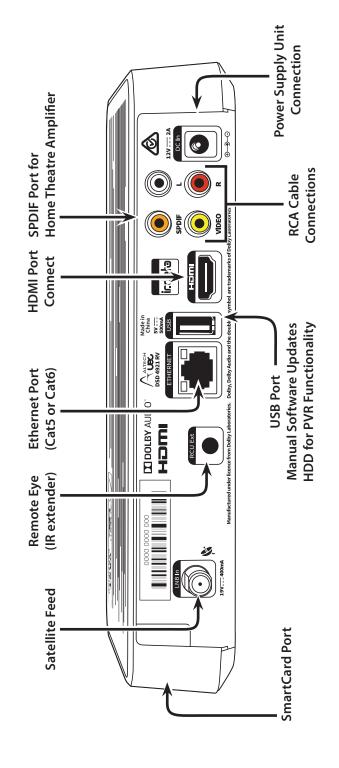




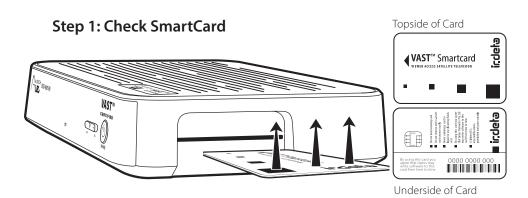


For colour challenged individuals the colours, from left to right, are: RED, GREEN, YELLOW, BLUE.

Rear Panel Full Diagram



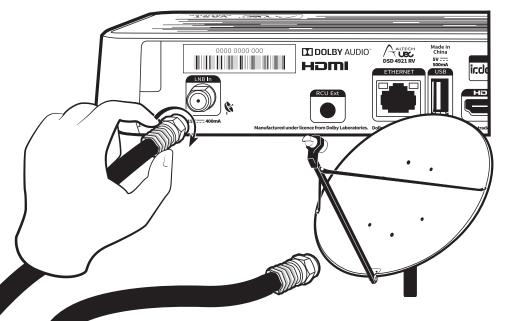
Hardware Setup



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.

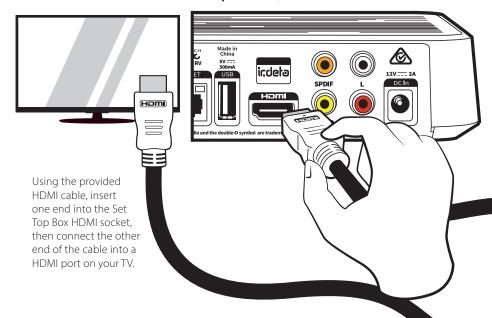
Step 2: Connect Satellite Feed



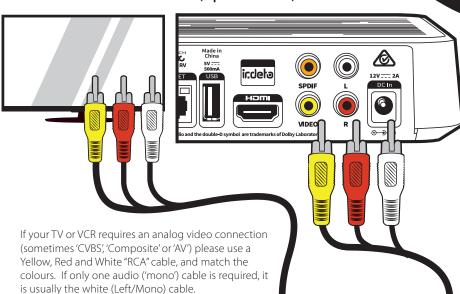
Connect the cable for your satellite dish to the LNB IN socket. Twist the nut clockwise to tighten to ensure it is secure. **DO NOT** over tighten, finger tighten only.

Step 3: Connect Set Top Box to TV

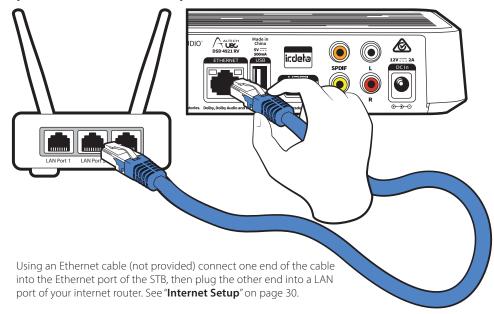
A. Connect with HDMI Cable (provided)



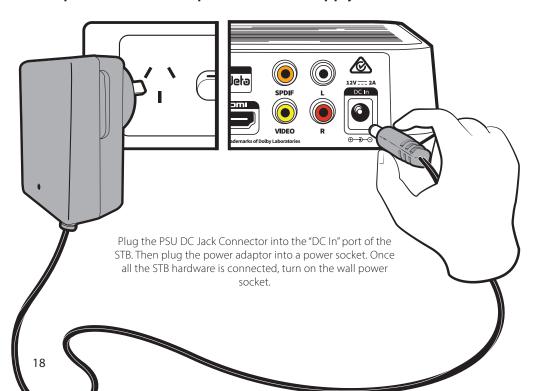
B. Connect with RCA Cables (Optional Extra)



Optional: Connect Set Top Box to the Internet



Step 4: Connect Set Top Box to Power Supply Unit



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** and your **Time Zone**, and **scan for available channels**.

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.

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.



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.

^{*}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.

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.

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.



Time Zone NSW / ACT Queensland

> Northern Territories South Australia

Western Australia

Tasmania Victoria

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.



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 47.

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™.

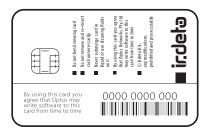
^{*}Failing to supply the expected signal will result in no services found. The system requires re-checking. See "**Trouble Shooting**" on page 47.

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 **Altech 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.

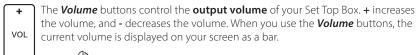
General Functions

Remote Control Functions

Power

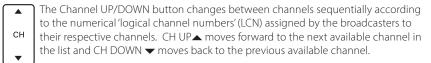
The **Power / Standby** button turns switches Set Top Box **ON** and **OFF**. It functions the same as the **Standby** button on the front face of the Set Top Box unit. Keep in mind this function only controls the Altech UEC Set Top Box. It will not affect your TV or Monitor.

Volume (VOL) Controls

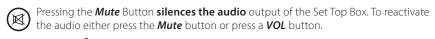


Keep in mind this function only affects the **Altech UEC Set Top Box**. The Volume of your TV or Monitor will also affect the output. If the audio is too quiet, be sure to also check your television's volume.

Channel Controls



Mute



Keep in mind this function only affects the Altech 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.

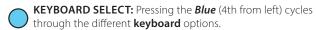
- 1. A to 7
- 2. 7 to A
- 3. Encrypted First
- 4. Free First
- 5. Satellite

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.





- 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.



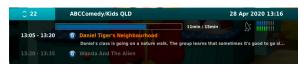
General Functions

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

While on Live Satellite TV, press the *Info* button to present the *INFORMATION* info **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**).



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 displayed, use the *left* and *right NAV* to view other channels and their program's information.



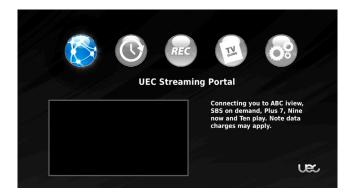
While the **INFORMATION BANNER** is buttons to view the information of the next upcoming program.

Main Menu

The Main Menu



All the features of the Altech 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 39.



SCHEDULER: Schedule recordings, view scheduled recordings, and set reminders if a recording device is attached. See page 41.



RECORDINGS: View, edit and delete recorded programs on an attached recording device. See page 44.



UEC STREAMING PORTAL: This portal gives access to the five 'On-demand' services of the Australian national broadcasters. See page 46.

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

^{*}Feature only available if supported by broadcasters.



Settings

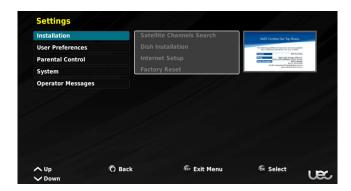
Understanding and navigating the settings menu.

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 Altech UEC Set Top Box, please contact your installer, or contact the **UEC Service Centre on (07) 3015 8790.**



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.

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**)
- Internet Setup, and
- 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.

Dish Alignment Help

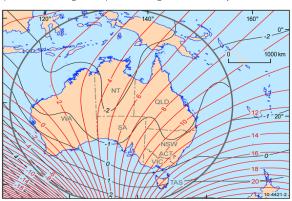
While in the **SATELLITE CHANNEL SEARCH** press the *HELP* button on your RCU to open the **DISH INSTALLATION MAP**.





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.qif



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

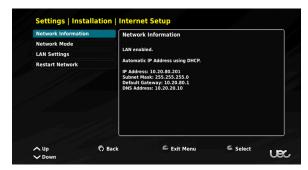
To **connect a satellite dish**, enter the INSTALLATION menu, and select DISH **INSTALLATION**. First, select your switch mode, either **DiSEqC 1.0** or **DiSEqC 1.2** by using the *left* and *right NAV* buttons. To select the **satellite options**, press **down** on the **NAV** buttons, and then press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

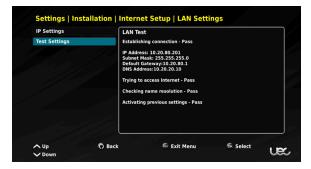
Internet Setup

To use the **UEC STREAMING PORTAL**, you'll need to set up a **wired network connection** from your home router. See "**Optional: Connect Set Top Box to the Internet**" on page 18.



The STB is set to **acquire an IP address automatically (DHCP)**, which will also provide the other settings required to get access to the internet from your router.

If your Set Top Box is not connecting to the internet once a wired connection has been made, you will want to check the **network settings**. This can be completed in the **INTERNET SETUP** menu.

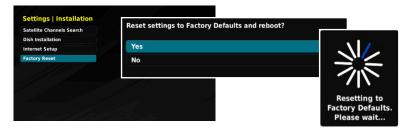


From this menu you can view Network Information and test your settings using the Test Internet Settings option.

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".

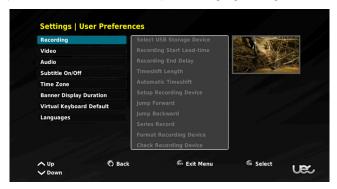


Select **YES** using the **NAV** buttons. Next, your Set Top Box will reboot, this may take a few minutes. When your STB starts you will be at the **FIRST TIME INSTALLATION** menu (see page 19). Follow the on-screen prompts to setup your Set Top Box.

User Preferences

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.



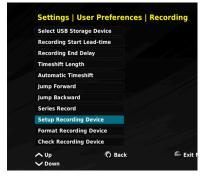
Within this menu you have access to:

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

Recording

Depending whether a hard drive or USB stick is detected will determine the options available within this menu.





Without PVR Capability

With PVR Capability

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 REWATCH the live broadcast. By default the "TIME SHIFT LENGTH" is set to 30min.

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.

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", 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.

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.

SERIES RECORD: The Series Recording setting allows you to choose between **Current Channel** or **All Channels**. This means your Set Top Box will **search for the Series Title** either on the designated channel or on all accessible TV channels.

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.

User Preferences

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.

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
- SPDIF Audio Delay.



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.

- Enalish
- Afrikaans Arabic
- Czech
- Danish Dutch
- Bengali Greek Chinese Hindi
 - Hungarian Indonesian

Finnish

French

German

Italian

- Japanese
 - Malav
 - Persian
 - Portuguese Punjabi
 - Spanish Swedish
- Tamil Turkish Norwegian
 - Urdu

Tagalog

Ukrainian

Parental Control

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



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

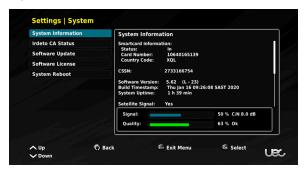
The user has **3** opportunities to input the correct parental control PIN-code. If the incorrect PIN is entered 3 times, the Set Top Box will **automatically lock-up**, except for access to the Settings Menu. To resolve this issue you must preform a **FACTORY RESET**. If a **FACTORY RESET** is required, 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**.

Please note that the **parental control** function **may not** be supported in the **UEC STREAMING PORTAL.**

System Settings

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.

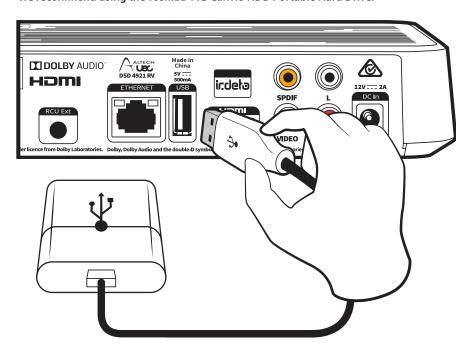
SOFTWARE LICENSE: With this feature you can view the software license.

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 hold the standby button for 4 seconds to perform a reboot.

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.

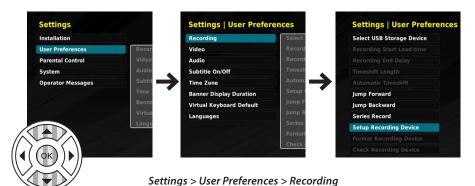


^{*}Visit https://uec.com.au/support/supported-hard-drives to see a full list of compatible storage devices.

External Storage Setup

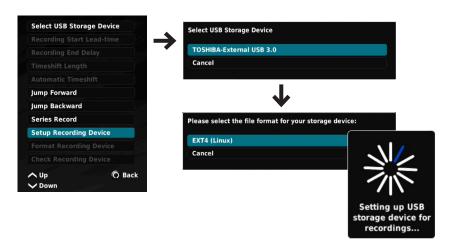
Step 3: Go To Recording Settings

Navigate to the SETTINGS menu.



Step 4: Setup Recording Device

Select "SETUP RECORDING DEVICE" and press the *OK* button. Select the External HDD 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 HDD to be formatted.



Once the process is completed, you can use the **Personal Video Recorder** Functions, such as **MY RECORDINGS**, and the **SCHEDULER**.

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).



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**.

Program Guide (EPG)

Alternative EPG Views

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.

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.



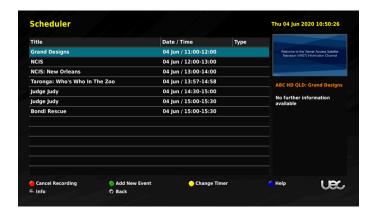
Scheduler

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 DSD4921RV is only available if you have connected and formatted a compatible external USB stick or hard drive, or you have purchased the PVR4921RV with an inbuilt hard drive.

Scheduler

Schedule a New Event



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



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.



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.

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

Recordings



My 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 MY 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.



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.



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 DSD4921RV is only available if you have connected and formated a compatible external hard drive, or you have purchased the PVR4921RV with an inbuilt hard drive.

Description of Icons



While in the scheduler press the \emph{HELP} button to see the \emph{lcons} and their descriptions.



Event Based Recording in Progress



Custom Duration Recording in Progress



Recording Scheduled



Completed Recording (Ticked for Viewed) Recording (Ticked for Viewed)



Incomplete



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.

UEC Streaming Portal

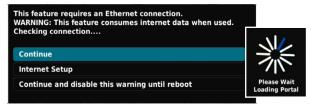


UEC Streaming Portal

The UEC Streaming Portal is a newly added feature of the DSD 4921 RV. It **requires an internet connection** through a router, via an ethernet cable. While in the **MAIN MENU** use the **NAV** buttons to select the **UEC STREAMING PORTAL**, then press the **OK** button.



QUICKLY ACCESS UEC STREAMING PORTAL: Press the *RED* (1st from left) button while watching live TV to quickly access the UEC STREAMING PORTAL.



Five services are available, one for each Australian national network. The catch-up services for channel 9 may require a free independent account to be set up prior to 'logging in' through the portal. This can be achieved through an internet browser on a computer or smart phone. After creating an account, use the name and password to 'login' through the portal.



The ABC, SBS, 7 and 10 services are available to use immediately without a login. Please consider the substantial data usage before using the Streaming Portal Function. Please check with your internet Service Provider for more information about data charges.

Formats and layouts differ between portals as does the content. Use the *NAV* buttons to move through each portal, using the *direction arrows*, *OK* and *BACK* buttons. Press *EXIT* to leave the portal entirely.

Trouble Shooting

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 Volbutton.

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.



Website: uec.com.au

UEC Service Centre: (07) 3015 8790