

VAST SATELLITE CONVERSION GUIDE

Introduction

This document provides information about installation of the VAST set top box with existing satellite equipment.

Activations & Pre-Approval

Prior to purchasing or installing a VAST set top box, you should complete the registration form for the VAST satellite service. A sample form is provided in Appendix 1. If you are currently in a commercial terrestrial service area, you may not be eligible for VAST services even if you are an existing Optus Aurora user.

How to Do a Pre Activations Approval.

1. Go to www.digitalready.gov.au
2. Type your postal address in the Myswitch section
3. Click the Satellite Eligibility Tab to confirm if you are able to receive the VAST Satellite service.
4. Next visit the Mysattv registration page at www.mysattv.com.au
5. Complete your details, using the VAST smart card number in your receiver. Refer Appendix 2 for details on locating your smart card number.
6. You'll receive an email from Mysattv confirming if you are eligible for the VAST service.

Installation.

Your new VAST satellite receiver is supplied with a factory default LNB setting of 10.7 GHz. Many older LNBs used a frequency of 11.3 GHz. See appendix 3 for further information. Prior to powering up your new decoder you should confirm the LO frequency of your existing LNB and reprogram your VAST satellite receiver, if necessary.

In many cases you can view the LNB information on the unit itself, which is mounted on your dish. If you are unable to do this you may have to check the LNB settings in your existing decoder. Refer to the satellite decoder manufacturer's manual.

Connect the VAST satellite receiver to your television receiver referring to both your television and satellite receiver's handbooks for the various options. Ensure the dish cable is also connected to the satellite receiver before applying power. After switching on, it will take approximately 45 seconds for the unit to boot up. The TV screen maybe blank for this period. The screen will show a blue image and indicate "Loading". The following should then appear on your screen (this will change with new additional services):

Number of Bouquets	13
Number of TV stations	85
Number of Radio stations	18
Transport Stream Found	6

Channel 800 is your information page. Please read all the pages of installation. Prior to activation of the smart card, you will receive ABC and SBS services from various states. These services are initially encrypted, with the exception of channel 223 ABC SE.

When your smart card is registered, you should receive the ABS and SBS services, as well as the commercial services if you are eligible.

Note: Your receiver may do an over air software upgrade. The upgrade takes approximately 10 minutes.

How to change LNBF Frequency on UEC DSD 4121 to 11.3 GHz

We recommended the use of a 10.7GHz LO LNBF for use with the VAST service. If you need to use an 11.3GHz LNBF you can change the settings in the receiver by using the remote control to do the following:

Press MENU

Select 5) ADVANCED OPTIONS

Select 2) INSTALLATION SETUP and Press OK

Enter PIN: 1234

Select 2) LNB SETUP

Select3) Press OK Change LNB FREQ from 10700 to 11300

(Use the left arrow on the remote control to delete existing numbers)

Press OK when LNB frequency has changed

Select 4) to accept these changes

Press OK to confirm changes

Select 3) Satellite rescans

[Please note the LNBF frequency is not changed during a factory reset.](#)

WA Channel Numbers

800	Information Channel
2	ABC1 WA
3	SBS ONE WA
5	TENWEST
6	GWN7
8	WIN
22	ABC2 / ABC4 WA
23	ABC3 WA
24	ABC News 24
30	SBS HD WA
32	SBS TWO WA
50	ONE
55	ELEVEN
62	7TWO.
63	7mate
80	GEM
88	GO

Channel arrangements may change as new services become available.

Appendix 2 – VAST Smartcard Identification

Read This First

Congratulations on your purchase of a digital satellite decoder (“Set Top Box”).

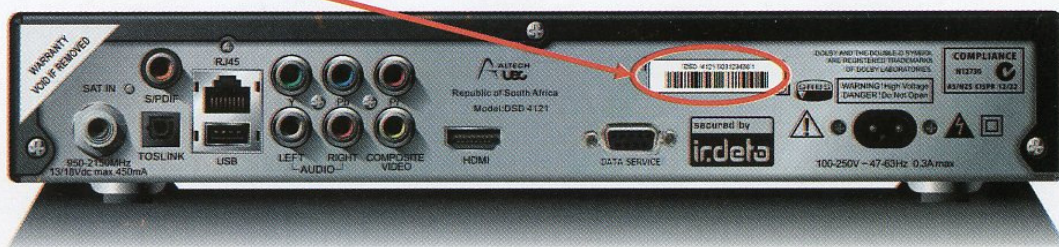
To receive a full selection of Freeview channels¹, you will need to register your Set Top Box serial number, together with your Smart Card number on-line at www.mysattv.com.au

Please note that your Smart Card will only operate with the Set Top Box it was purchased with and not with any other Set Top Box.

To identify your smart card number, circled below;



And your Set top Box Serial Number can be found, circled below;



Conditions apply. See www.mysattv.com.au for further information.

Appendix 3 –Satellite Dish and LNB Identification

1. Most early satellite dishes sold in Australia were 1.5m prime focus dishes.

A prime focus dish generally has a tripod mounting arrangement with the LNB looking into the centre of the dish (refer pics 1 & 2).

2. The LNBs used on these dishes generally have a 25mm feed horn as shown in picture 3.

Picture 4 shows a Prime Focus LNB without the feed horn.

Most LNBs used in this application have an LNB frequency of 11.3 GHz, which is often printed on the LNB.

3. Dishes as illustrated in picture 5 & 6 are offset-feed dishes.

Offset-feed dishes generally have the LNB mounting arm coming from the bottom of the dish, with the LNB pointing about 1/3 of the way up from the base of the dish (not to the centre). These types of dishes are typically used in the pay T.V. industry.

4. Offset LNBs are used on offset-feed dishes. The LNB mount assembly is approximately 40mm (refer pic 7) compared with the LNB for a prime focus dish, which is 25mm.
5. Original Offset LNBs usually had a LO Frequency of 11.3 GHz, whereas later LNBs had a LO Frequency of 10.7 GHz.

There are also some odd LNBs in the market with different LNB frequencies.

You may be able to read the LO Frequency on your LNB but if this is not possible, you can verify the LNB's LO frequency by checking your existing decoder's settings. Refer to the decoder manufacturer's manual for more information.



Pic 1



Pic 2



Pic 3



Pic 4



Pic 5



Pic 6



Pic 7