

FREEVIEWSHOP

Installation Instructions for Setting up a dish for OPTUS D1/D2

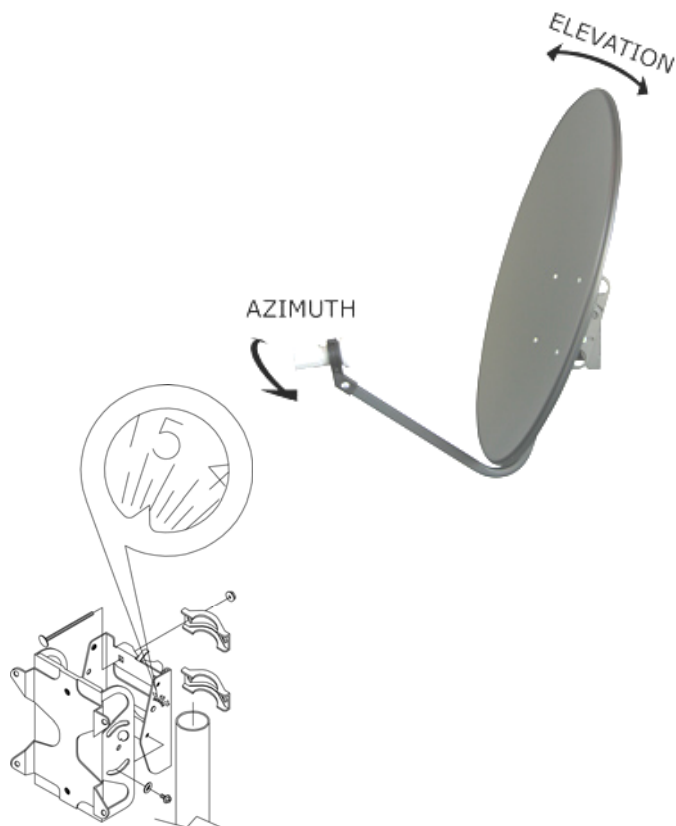
Step 1: Assemble Dish and Mount using instruction sheets supplied.

Step 2: After assembling dish, fit LNB to dish ensure the skew is as is shown for your LNB:



Step 3: Set the gauge at the back of the dish to the **approximate** elevation given in the table below, Dishes are offset so that the LNB does not shadow the signal received:

Location	Elevation Sat	Azimuth (Compass)
Kaitia	46.8	319.3
Whangarei	45.8	317.6
Auckland	44.5	316.9
Thames	43.9	315.6
Hamilton	43.4	316
Rotorua	42.7	314.5
Gisbourne	41.4	311.8
Hastings	40.9	313.5
Palmerston North	40.6	315.2
Lower Hutt	40	316.1
Wellington	40	316.3
Picton	40.2	317.4
Nelson	40.4	318.5
Blenheim	39.9	317.5
Westport	40.3	321
Christchurch	38.2	318.7
Timaru	37.5	319.9
Oamaru	36.9	320.7
Dunedin	36.2	320.9
Invercargill	36	323.9



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☎ 09-8175105

🌐 www.freeviewshop.co.nz
@ sales@freeviewshop.co.nz

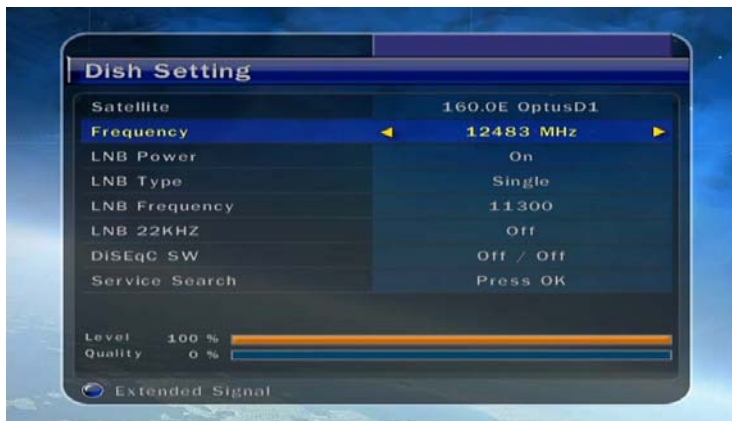
Step 4: Align the dish using a sat finder or the receiver as detailed below

To fine tune the dish alignment using the receiver. Connect to the Optus D1 LNB only do not use the switch.

Press the **MENU** button on the remote control to enter the Main Menu.



Select Dish Setting and press **OK**.



Select the OptusD1 Satellite and the 12483 M 22500 [H] Transponder for Frequency. Move the dish until you get a lock on the satellite (The Quality will shoot up sharply when you find the satellite). This step may take some time. You should now optimize the Elevation and Azimuth of your dish and the Skew of the LNB to get the Quality indicator as high as possible.



Your receiver is pre tuned so once you have finished you can just press exit a few times and proceed to watch Freeview.

Step 5: Install the bracket and D2 LNB as shown (65cm dish Left, 75cm dish Right):



The spacing for the LNBs on a 65cm dish is as follows:



The spacing for the LNBs on a 75cm dish is as follows:



Step 6: remove the cable from the D1 LNB and attach it to the newly installed D2 LNB:

Step 7: Line up the D2 LNB using a Sat Finder or the receiver as outlined below.

Press the **MENU** button on the remote control to enter the Main Menu.



Select Dish Setting and press **OK**.



Select the OptusD2 Satellite and the 12407 M 30000 [V] Transponder for Frequency. Rotate the LNB bracket until maximum Signal Quality is obtained. Now rotate the LNB (adjust LNB skew) until maximum Quality is obtained. Tighten the Screws. Dish and LNB alignment is now complete



Step 8: Install the 22KHz switch.

Connect the short cables from each LNB to the 22KHz switch, connect the Optus D1LNB to the OKHz or 22KHz Off side of the switch, connect the D2 LNB to the 22KHz on side of the switch.

Connect the long cable to the receiver to the receiver output of the switch