

HOW TO INSTALL YOUR OWN SATELLITE DISH USING A SATELLITE FINDER

1. Assemble dish as per manufacturer's instructions. Ensure mount is vertical. Leave clamps firm but adjustable.
2. Fix LNBF to dish with feed cable at approximately 8 o'clock position as viewed looking into front of dish.
3. Set elevation approximately using scale on dish, to required angle as determined by Look Angle chart below.
4. Point the dish somewhere east of compass bearing (azimuth) listed below
5. Set up Satellite receiver, connecting to TV as per instruction manual. Follow installation instructions to receive from required satellite. Satellite receiver must be turned on.
6. Insert Satellite Finder in cable between receiver and LNB, note connection direction on the rear of the meter.
7. Adjust control clockwise until tone sounds then reduce for no sound. Turn dish westwards on mount until tone increases as it picks up signal from satellite. The meter reading should go off the scale when you "hit" a satellite. (Note – by approaching from the east you should pick up Optus D1 first).
8. Turn meter knob anticlockwise to bring reading back to centre of scale. Adjust dish (elevation and compass direction) and rotation of LNBF for maximum reading on meter and loudest sound output. Gradually adjust knob anticlockwise to reduce reading then readjust dish to maximise meter reading for greatest sensitivity. Repeat as necessary.
9. Lock off the dish. Satellite receiver is now ready to download channels.
10. If your satellite receiver indicates good signal level but no quality you may be on the wrong satellite or the LNB local oscillator setting is incorrect. Usually 11300 for single LNB and 10750 for dual LNB. The LNB voltage should be 18V or H (depending on model of receiver)

Look Angle Table: Optus D1 (Freeview)

Azimuth: Magnetic azimuth or compass bearing (degrees)

Elevation: Elevation above horizon (degrees)

Town/City	Azimuth	Elevation
Kaitaia	319.3	46.8
Whangarei	317.6	45.8
Auckland	316.9	44.4
Thames	315.6	43.9
Hamilton	316.0	43.4
Rotorua	314.5	42.7
Gisborne	311.8	41.4
Hastings	313.5	40.9
Palmerston North	315.2	40.6
Lower Hutt	316.1	40
Wellington	316.3	39.9

Town/City	Azimuth	Elevation
Picton	317.4	40.2
Blenheim	317.5	39.9
Westport	321.0	40.3
Arthur's Pass	320.5	39.1
Christchurch	318.8	38.2
Timaru	319.9	37.5
Oamaru	320.7	36.9
Dunedin	321.0	36.2
Invercargill	323.9	36
Bluff	323.8	35.7
Stewart Is.	324.1	35.4