

Campersat EasySeek



WINNER! 2002 CCIA

“Most Innovative Product of the Year”

Our award-winning Campersat EasySeek is our top -of the line Campersat system. The EasySeek offers the same superb, high quality, satellite digital picture and sound which all our Campersat systems offer. However, the EasySeek has the added convenience and security of a mainly interior operation, with a locking mechanism for easy travel.

Introducing Campersat

The Campersat range of products have been designed with the needs of wandering travellers in mind. There are four products in the Campersat range, each one a complete system which comes self assembled and ready to install, and each one providing you with great free to air television and radio reception, no matter where you go.

Made for Australian conditions

The Campersat range is designed and manufactured by Videosat Pty Ltd, an Australian company with over 20 years experience in supplying satellite systems. Videosat Pty Ltd design and manufacture the award winning Campersat EasySeek, a fixed satellite system for motorhomes and caravans and winner of the 2002 CCIA “Most Innovative Product of the Year Award”. This same award winning expertise brings you additional Campersat models – the Campersat Portable range of satellite systems for travellers who want to ‘stow and go!’ and our Fully Automatic Campersat AutoSeek roof top model.

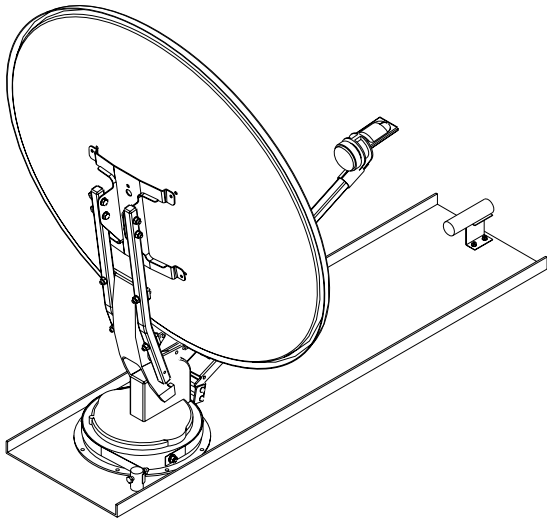
Introducing the Campersat EasySeek

Our award winning Campersat EasySeek is our most popular model. The mounting equipment is fixed permanently to the roof of the motor home and operates from the van interior. It has a simple wind up mechanism, interior controls and elevation display, which are used to set up and lock onto the satellite.

The Campersat EasySeek has a locking mechanism for travel and with the dish mounted on the roof you don’t need to use valuable interior storage space.

At first satellite technology can seem daunting, however, Videosat goes a long way to ensure that you’ll be comfortable with your new equipment. Once you are familiar with your equipment, set up will take less than a few minutes.

Your Campersat EasySeek comes as a complete system package including dish, receiver/decoder, cabling, mount, free to air Smart Card, digital test meter, instruction manual and handy laminated chart to help you find the satellite anywhere in Australia. Best of all, Videosat’s friendly staff are always on hand to answer your questions and help you with your system.



Installation - order of assembly

- Installation does not require special tools other than normal reliable handyman items.
- Choose roof location carefully, and make sure that when fitted, the dish does not protrude over the side of the vehicle. Centre mounting is preferred.
- Mounting tray must run front to back with the dish folding down towards the back of the vehicle to avoid wind resistance when in travelling position.
- It is recommended that you check with your dealer or manufacturer for provisions that may have been made in the roof for antenna mounting; reinforced roof area, or pre-wire installation from the factory.

NOTE: The system should be level for optimum performance. Some wedging may be appropriate.

- Choose a location on the roof that will allow the dish to raise and rotate without interfering with other roof-mounted equipment.
- The control panel is located directly under the head of the unit on the roof so must be located in conjunction with the tray assembly. Make sure the control panel is at a convenient position to operate.
- Out of the way sites that require the operator to lean at an awkward angle should be avoided. Ensure that the mechanism for raising and pointing is in a comfortable position inside the vehicle. This should not be over beds, benches and cupboards, but rather centrally located so that in the standing position all controls are easily seen and useable. This particularly applies to the directional rotation handle and the winding mechanism.
- For comprehensive information ask for further information in *Campersat EasySeek - Getting Started*.

Roof mounting equipment

The roof equipment is mounted on a tray with the inside equipment mounted on a control panel below. This is fastened to the tray making a solid installation.

As supplied, this allows for roof thickness of between 15mm and 150mm.

- The roof mounted wind up mechanism and dish is fitted to a heavy-duty powder coated aluminium mounting tray allowing easy placement on the roof of the vehicle.
- The tray must be mounted front to back of the vehicle with the dish locking to the rear. This tray must be appropriately sealed so that water does not enter.
- Roof holes can be drilled for each of the three access controls and the four control panel bolts. Alternatively a rectangular hole can be cut so that all operating controls fit within the rectangle. The rectangular hole is the preferred option for manufacturers fitting at the motor home factory, however, circular holes are probably more appropriate for after market installation.
- After the tray is fastened, fit the control panel and run cable.
- The cabling consists of two or three small cables and is best mounted through the roof at a convenient point to allow access from the inside in a concealed place such as a cupboard.
- The control panel houses the three controls (elevation, direction and locking) and is fastened through the roof to the tray. The mounting bolts will need to be cut to length to accommodate varying roof thicknesses.
- Once installed and commissioned there is no channel tuning required, it is all automatically arranged over the satellite.

Location of test equipment items

- Both items should be easy to reach whilst you are raising and trimming the dish. Our digital test meter, the T280 is easy to use and has variable pitched audible tone to aid in satellite trimming.
- The elevation display box shows the true elevation, independent of the vehicle angle and has a time out that shuts display down after 3 seconds. It is necessary to press the button to re display.
- The elevation display operates on 12 v.
- The test meter has both LED display and audible tone to assist in trimming. The buttons on the panel need to be reached as necessary whilst the dish mechanism is being adjusted. We suggest both instruments be wall mounted high

up and close to the control panel. By all means put it in a cupboard with easy access, ensure adequate lighting for night time use.

Satellite receiver and TV location

- Consider that channel changing and volume functions will normally be carried out using the remote whilst TV is being watched.
- The satellite receiver is the size of a small VCR and should be located near the TV and VCR.
- Keep in mind that your remote control needs to have clear access to the satellite receiver for easy operation.
- Your satellite receiver includes audio outputs controlled by the satellite remote and fixed audio outputs not controlled by the remote. For reception of all sound service including radio channels it may be appropriate to connect to your sound system for enjoyable stereo listening.
- A single coaxial cable runs from the LNBF through the signal strength meter to the satellite receiver. Length is not important so being able to view the meter should be given first priority.
- We recommend AV cables be used between the satellite receiver and VCR (if you have one), and between the VCR and TV. This provides the most superb picture quality and maintains the stereo audio. You can also connect the audio to your hi-fi. The satellite receiver is 240V powered, so make sure power is available.



The elevation display and T280 digital test meter can be conveniently installed near your monitor and receiver/decoder box.

Frequently Asked Questions

What are the benefits of satellite and how does it compare with normal antennas?

Satellite reception is not affected by the usual sources of interference that typically interrupts terrestrial (local antenna) reception. These can be caused by weather patterns, topography such as mountains or buildings, local electrical interference, even the earth's curvature can interfere with great picture and sound.

Satellites have none of these restrictions. Best of all, because you own your own satellite system, there are no monthly fees.

How much power does a Campersat system need?

The satellite equipment consumes approximately 30 watts at 240v AC, and on a 12 volt system your Campersat system will use only 3 amps. This is minimal so it is suggested that you have a suitable inverter. In general, inverters are low cost and are generally sized larger to cater for other accessories including TV. Satisfactory operation can be obtained from either a small, dedicated inverter, a larger shared inverter, generator or 240 AC line power. We recommend the use of inverters for free camping to avoid the necessity of running fuel powered generators.

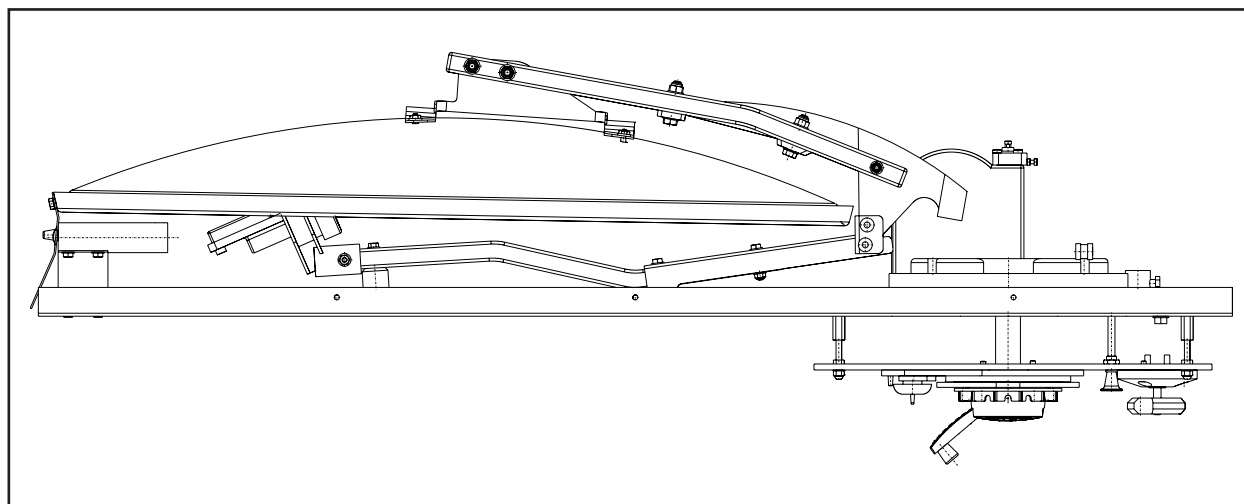
Most manufacturers recommend that generators be best run at near full load to run larger appliances and to charge batteries. Use generator to only top up batteries etc rather than run whilst watching TV. You can have many hours or days of happy TV viewing on a normal battery charge.

Finally, correct battery charging is a science. Most lower cost battery chargers do not charge house batteries adequately. We recommend you do your research and choose wisely.

Does the picture quality vary across the country?

Your Campersat dish size (90cm) is big enough to receive even a weaker signal, and will give you exceptional reception all around Australia. Signals are weaker in Australia's far north, and south west, as well as during heavy rain or dense overcast conditions. Picture quality will remain perfect until there is insufficient signal to operate the receiver.

Side section of complete Campersat EasySeek including interior control panel



EasySeek Campersat System Specifications - Model 2695

EXTERNAL	
Weight	14.5kg
Length of tray	1200mm
Width of tray	305mm
Dish width	900mm
Clearance above roof with dish down	240mm
Clearance above roof with dish up	1060mm
Clearance diameter for rotating dish	1700mm
Distance between roof and vehicle ceiling	Adjustable 15mm - 125 mm by cutting mounting bolts (can be extended)
Sensor cable	10 metres from roof entry (4 core)
LNB/Test meter cable	10 meters from roof entry RG6
INTERNAL	
Inside panel housing control dials	200mm x 400mm
Protrusion of controls from ceiling line	50mm
SYSTEM COMPONENTS	
Satellite receiver	Optus approved with in-built Idetto conditional access
Smart card	Optus Aurora
LNB	Campersat model C871 dual polarity
Test meter	Campersat model T280 single Cable Connection
Elevation display	Digital absolute 2 digits 1 degree resolution
POWER REQUIREMENTS	
Satellite receiver and LNB	115-240v 50/60 Hz 30 watts
Elevation display	+12 DC vehicle power