

# Portable Satellite Antenna Satlight Track 60 HD

## *Installation and user's guide*



*Specifications may change without notice*

# ALDEN

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# Warning

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The reproduction of whole or part of this guide is strictly forbidden without Aldens agreement.

Alden draws your attention to the risks that may occur if the mounting is not correct.

Alden declines all responsibility if the product is not mounted in the correct way and especially if it is installed by a non professional person.

The retailer is ment to know installation rules and to apply them. He will especially respect the installation location, the cable connection, the gluing and screwing of the Alden satellite system.

By selling and installing an Alden product, the retailer is obliged to inform his customer on how the product works and perhaps how to install the product in some cases. He will also give his customer the user's guide.

The retailer must inform the customer about security matters.

The retailer must inform the customer that the product can only be used for the intended matter.

The retailer must also inform the end user about the current laws applicable in the country where the product is going to be used.

Each product with electronic components has to be protected from undervoltage (under 10.5 volts) and overvoltage (over 15 volts).

It is strictly forbidden to open, interfere, repair and/or modify the product without Aldens agreement. The warranty will become void if you undertake such an action.

If any changes occur concerning the emission frequencies or the power of emission from the satellites, neither the salesperson nor the manufacturer can be held for responsible

Neither the salesperson nor the manufacturer can be held for responsible if a satellite or a programme come to disappear, if a free-to-air channel becomes scrambled or for any other modification that may affect the emission.

Unpredictable events can not lead to any exchange, refund or compensation from the salesperson nor the manufacturer. The reception areas of the satellites are given as a guidance.

Alden declines all responsibility in the event of incidents or accidents if they are due to a non observation of the installation instructions or the way the product is used.

It is strictly forbidden to open a product. The warranty will be come void if you do so.

Do not use the + after ignition, which means starting the vehicle, to close the system down. Before starting the vehicle, make sure the satellite system is folded down in the folding down position.

Remove the fuse from the electric circuit board of the satellite system and receiver/AIO before interfering on the general circuit board, or changing or connecting the battery. If the vehicle is equipped with a solar panel, also remove the fuse.

If the wind gets up or by gale force, we recommend to fold the satellite system down. Refer to page 44 of this manual. You must therefore fold the satellite system down when the wind is above 50 km per hour.

Never unfold the satellite system when it has snowed or by freezing rainfalls. Always make sure nothing will block the opening of the satellite system (nor ice, nor snow...). Remove if this is the case.

Always switch the receiver/AIO off before unplugging the power supply.

You must ALWAYS fold the satellite system down before starting the engine of the vehicle. Go through the folding down procedure. Before starting the engine, make sure the satellite system is completely down. .

We advise to withdraw the fuse supplying the receiver in case of long periods without driving or to disconnect the power supply.

If you leave the vehicle, never leave the satellite system open.

For a good quality picture, do not use the existing coax. cable circuits. Generally, it is recommended to avoid all connections.

You must provide a separate power supply equipped with a 5 Amp. fuse directly from the board battery to the S.S.C®/receiver/A.I.O®.

You must provide a separate power supply equipped with a 3 Amp. fuse directly from the main electric board to the S.S.C®/receiver/A.I.O® for the *Plus after ignition* connection (only with Alden automatic satellite systems).

You must protect the ends of the motor and coax. cables with paper tape during installation (especially when threading the cables through furniture).

Only connect the LNB when the system is not connected to the power supply: the receiver/S.S.C® must be unplugged before being connected to the LNB (low noise block converter). If not this could cause serious damage to the LNB circuit.

The warranty will become void if original or certified parts are not used. All repairs must be made by qualified technicians.

When connecting the cables, make sure the satellite system and S.S.C®/receiver/A.I.O® are not connected to the power supply. Wait a few seconds after having switched the systems off before moving them or disconnecting them.

After having followed the instructions, if the system does not work, contact your dealer.

• If you accept to install the equipment, you also accept the above rules. •



**WEEE Directive (European Union and EEA only).**

This symbol indicates that this product is not to be disposed of with your household waste, according to the WEEE Directive (2002/96/EC) and your national law. This product should be handed over to a designated collection point, E.G., on an authorized one-for-one basis when you buy a new similar product, or to an authorized collection site that recycles waste electrical and electronic equipment (EEE). Improper handling of this type of waste can have a negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. By respecting this directive, you will contribute to the effective usage of natural resources. For more information about where you can dispose of your equipment for recycling, please contact your local city office, or other authority, approved WEEE scheme or your household waste disposal service.  
(EEA : Norway, Iceland and Liechtenstein)

## Pre-installation warnings

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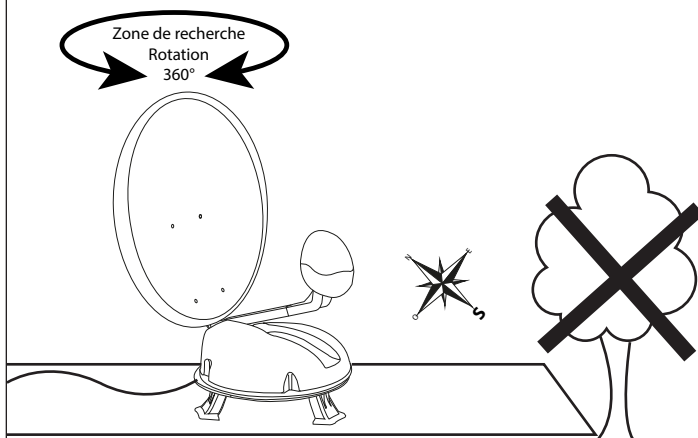
Never connect your satellite equipments (SSC<sup>®</sup>, receiver) to a line controlled by the camping car central control panel. In all cases, Alden recommends a direct line on the battery with a 5A fuse.

If it was technically not possible to draw an independent line, it will be mandatory to ensure accessibility of the demodulator switch and to inform the customer of the need to switch the receiver off in case of storing the vehicle in a garage or parking under an obstacle, tree, porch, bridge, etc.

Never take the D + on the fridge, step-board, etc. or on any device that can be turned off by the camping car central control panel.

# Installation and use of the antenna with SSC HD module

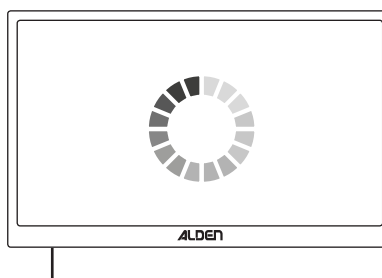
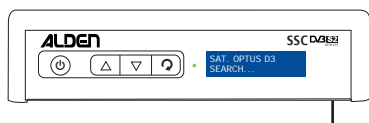
## Installation







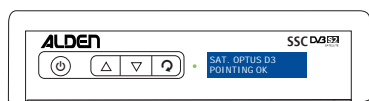
Place your portable VANSAT satellite antenna on a stable area on the floor. Orientate approximately your antenna to the south. The search area is operated 360 °, make sure there is no obstacle located near the antenna.

**Follow the wiring diagram on the next page**

## Starting

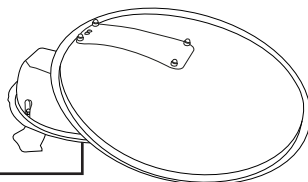
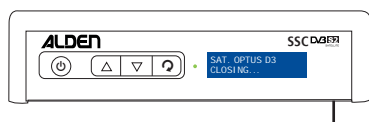



Turn  on your SSC HD search module, and select the desired satellite, using the   buttons. Report to the page 10 for satellite selection. When the  key is released, the selected satellite flashes a few seconds. The message «Search ...» appears: indicating that the antenna is searching for the selected satellite.




Once the antenna is locked on the satellite, the message «Pointing valid!» is displayed and an image appears.

## Deactivation



Press the  key of the search module, the message «Closing» appears. It will disappear only when the antenna will be completely closed.



Switch  the receiver off, the module S.S.C. HD and the TV set. Disconnect the antenna from the module to repack the antenna.

# Satlight Track60 - Quick Setup and User Guide

1. Connect and Setup the Satlight Track60 as illustrated by the Diagram Below. The Satlight track60 is a portable auto dish, in which it's base "dish unit" can be mounted /installed on a vehicle or be temporarily placed on a flat surface or be held down on a grass area with the tent pegs supplied.
2. On the SSC HD Unit (Control unit / black box) press the "Power On" button.
3. By default OptusD3 (For VAST and PayTV) will be seen flashing on the SSC LCD screen and no other press of a button is required . If "OptusD3" is Not flashing , Keep Pressing the UP Button once at a time and Stop when you see "OptusD3" flashing on the LCD. The Dish will deploy Up and start searching, when "OptusD3 is found the LCD will display "Pointing OK"and the green LED will be on.
4. When finished Usage, Press the "Off" button to fold the Dish Down ,disconnect cabling and Stow away.

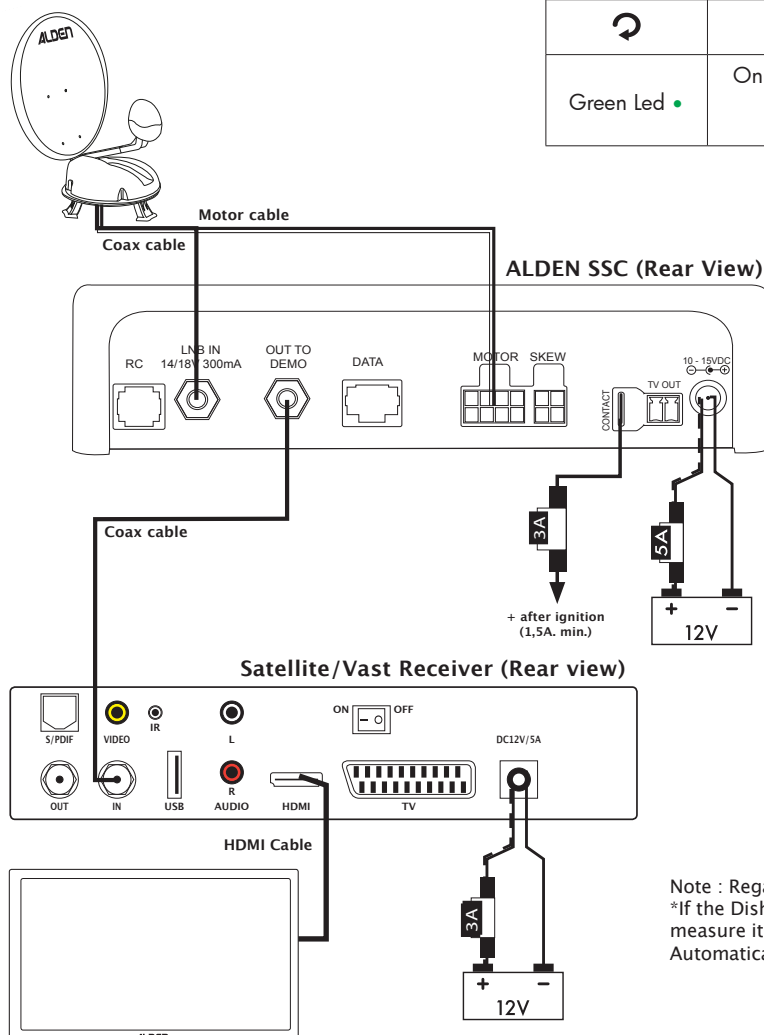
## Other relevant Information :

- a) 1<sup>st</sup> time (out of the box) or out of the same location area's (250km radius) satellite searches will result in longer "Pointing Ok" times, approx - 3 mins or so, subsequent same area searches approx- 1 minute.
  - b) When the Green LED is "On" the unit is in Standby mode and consumes approx- 4 watts power.
  - c) Other satellites selectable via the "Up" button. Set with 4 satellites and 4 Empty/Not used parameters in memory
  - d) Skew (Inb rotation for current position) is automatically achieved via the units GPS, auto Skew Set function.
  - e) The LNB (twin Output) value used is 10700 \*Make sure your satellite receivers Inb value is set to 10700
  - f) Every satellite is programmed with 3 transponder frequency settings in memory. The extra's are used as backups
  - g) The OptusD3 satellite selection / parameter is the strongest and best to use with VAST and PayTV services.
  - h) If the OptusD3 selection in an area has persistent weak signal, try using the Optus C1 selection instead.
  - i) The satellite parameters are modifiable manually from the SSC units "Menu System" or by upgrading them via it's USB port.
- \*Simple and Quick Satellite parameters and firmware Upgrade via the usb port !

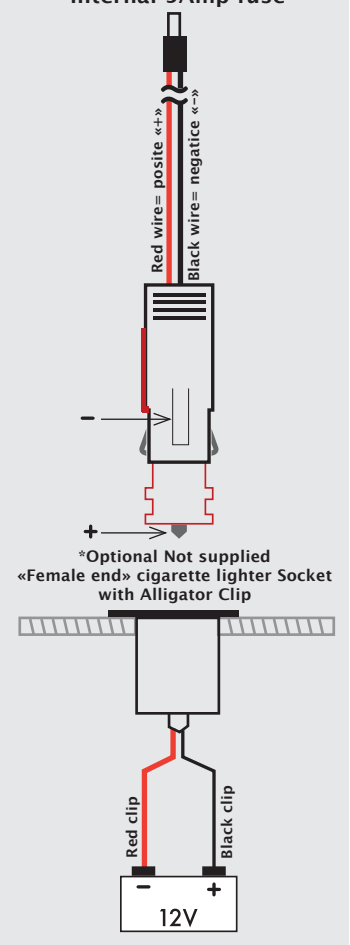
ALDEN SSC (Front View)



Designation	Function
	Switch the module on/off.
	Select the satellite/navigate in the menu.
	Close the dish/navigate in the menu.
	Access to the setting menu. SKEW option management.
Green Led	On: The S.S.C. is in stand by mode Off: The S.S.C. is off (Power intake = 0 Amps)

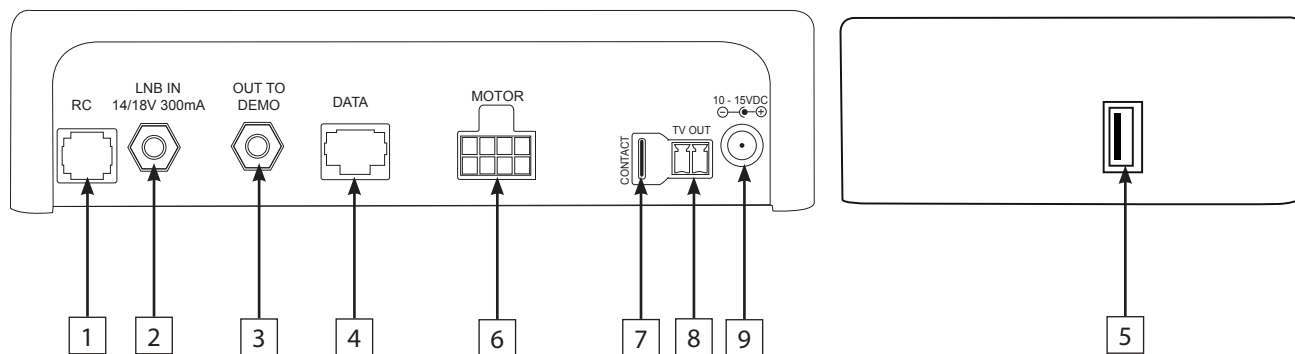


\* Supplied with a «Male end» cigarette lighter plug with a internal 5Amp fuse



Note : Regarding the "+ after ignition" connection  
\*If the Dish is to be Permanently Installed on a RV Vehicle as a Safety measure it is highly recommended this feature be utilized as the dish Automatically folds down when the vehicles ignition key is turned on.

## S.S.C. wiring diagram



N° : description	Type of connection	Input and output description
1 : RC	Optionnel: Interface utilisateur déportée.	
2 : LNB in	F Type coaxial	Connection with the sat-unit's LNB.
3 : Out to demo	F Type coaxial	Connection used to connect the SSC module to the receiver or satellite TV.
4 : Data	For Alden's use only	
5 : USB	USB	Used to update the data.
6: MOTOR	Power	Used for the motorisation of the sat-unit.
7: CONTACT	Spade connector	Folding security system connected to the car ignition.
8 : TV OUT	TV output	Used to power up a 12V/3A max. TV
9 : 10-15V DC	Jack DC	12V SSC Power supply

### Warning - Reminder :

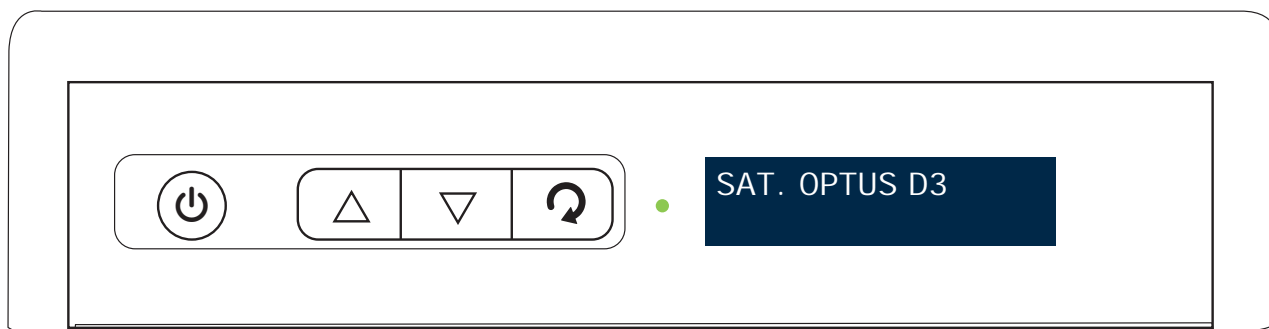
- The system must be in a vertical position in a well ventilated space.
- Do not place the unit near a source of heat or humidity.
- Do not leave the unit directly in the sunlight.
- The ventilation grille must be free. Do not block.
- Do not use existing coaxial circuits. The quality of the picture can be affected. Each link will weaken the signal. Cables of a different type can also change the quality of the picture.
- In all cases :
  - A direct wiring (no links) with a 5A fuse must go from the unit to the battery for the + wire.
  - A direct wiring (no links) must go from the unit to the battery for the - wire.
  - A direct wiring (no links) with a 3A fuse must go from the S.S.C. module to the + after ignition located on the ignition key or on the fuse module.
- When installing with existing wiring, make sure the 3 cases above are respected.
- Always use the provided cables
- The warranty will no longer be applicable if these instructions are not followed.






## Working principle

The S.S.C. HD Module (Satellite Search Control) is a module designed to search for satellites such as OPTUS C3 - OPTUS C1 - OPTUS D2 - INTELSAT 19. The module can be used with all Alden's satellite systems and connected to any digital receiver allowing the reception of the broadcasted programmes on the chosen satellite.

The S.S.C. module is specially adapted for a use in a leisure vehicle.



## Description



Designation	Function
	Switch the module on/off.
	Select the satellite/navigate in the menu.
	Close the dish/navigate in the menu.
	Access to the setting menu.
Green Led 	On: The S.S.C. is in stand by mode Off: The S.S.C. is off (Power intake = 0 Amps)




# How to use the S.S.C. HD

1. Turn the S.S.C. Module on by pressing .
2. By using , choose the satellite.  
Keep pressing this button to switch from one satellite to another.  
Each time you change satellites you will hear a beep tone.  
The satellites are programmed in the following order:



**OPTUS D3 • OPTUS C1 • OPTUS D2 • INTELSAT 19 •**

Satellite	Description
OPTUS D3	VAST, FOXTEL, FTA (Free To Air) SERVICES
OPTUS C1	VAST, FOXTEL, FTA (Free To Air) SERVICES
OPTUS D2	MULTICULTURAL FTA/PAYTV SERVICES
INTELSAT 19	MULTICULTURAL PAYTV/FTA SERVICES


3. Once  released, the chosen satellite LED will flash for a few seconds, then will stay on display.  
The message «Search...» will appear : meaning that the satellite system is searching the chosen satellite.  
Once the satellite found, the message «Pointing OK!» will appear.
4. Power on the receiver and TV, choose a programme on the corresponding satellite.

**Warning :** Every time you use the S.S.C, the last chosen satellite will automatically be selected





## How to change satellites when using the system

1. By using , select the chosen satellite.
2. Once  released, the chosen satellite LED will flash a few seconds, then will stay on display.
3. The message «Search...» will appear : meaning that the satellite system is searching the chosen satellite. Once the satellite found, the message «Pointing OK!» will appear.

## Closing principle

1. Press the  button on the S.S.C. module, the message «Close» will appear. The message will disappear once the satellite system will be fully closed.
2. Switch the receiver, S.S.C module and television off.

# Setting Menu

To reach the SETUP menu, fold the antenna and then press the  button. Select one of the sub-menus using the   keys and confirm by pressing the .

## 1. TRANSP. MOD : Search data settings.

This menu enables to select and set the data used for the search of the satellite.

**Caution:** if not used correctly you may cause the module to dysfunction. Do not use without Alden's or your dealer's advice.

## 2. EXT. BOOT : when used, this function enables you to launch an automatic search on the chosen satellite when using the module connected to the OUT TO DEMO output on your S.S.C.

Caution: prior to this, the S.S.C. has to be in stand by modus (green LED on) for the function to be accepted.




## 3. ANT STATUS : When set on «NO», when switching the system off, the satellite system will remain open, orientated towards the satellite. On the opposite, when set on «YES», the satellite system will close itself automatically when you switch the installation off.

## 4. POWER OPTION : When this menu is set on «YES», it enables to put the S.S.C. in stand by mode when the external receiver connected to the OUT TO DEMO input is not used. When this menu is set on «NO», the S.S.C. switch itself off (power consumption = 0amps) when the external receiver connected to the OUT TO DEMO input is not used.

## 5. LANGUAGE : Select your language to visualize the different menus.

## 6. VERSION : Provides information on the software version and product.

## 7. MEC. ANTENNA : Indicates the kind of satellite system which is connected to the S.S.C.



This menu also enables you to change the kind of automatic satellite system (only Alden brand). Using   choose the corresponding satellite system. Press  to confirm your choice.

## 8. DiseqC MENU : When this function is active, a number will be assigned to a satellite (DiseqC standard) and this information will also be available in the receiver/television connected to the OUT TO DEMO on the S.S.C.. This function enables you to search automatically for a satellite when changing satellites on your receiver/television.

Example: if the receiver is programmed as the following :

OPTUS D3 -> DiseqC 1.1 : 1  
OPTUS C1 -> DiseqC 1.1 : 2



Match a number to a satellite by using  

Press  to confirm each of the 8 satellites.

Caution: only one number per satellite, one satellite can not have several numbers.

NB: if your receiver is only compatible DiseqC 1.0, refer to the following details:

Letter	Corresponding number
A	1
B	2
C	3
D	4

**Caution:** the receiver or television must be compatible with a DiseqC 1.0 or 1.1 to enable you to use this function on the S.S.C..

## 9. ES/Nb N° Menu : Indicates the level of reception of the satellite system. The higher the level, the better the quality of the reception.

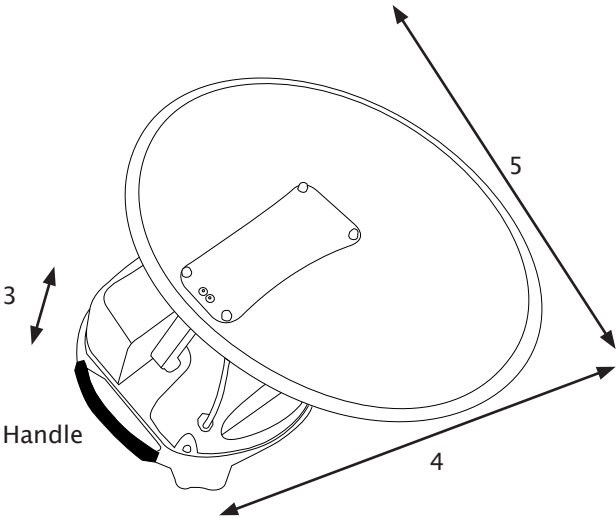
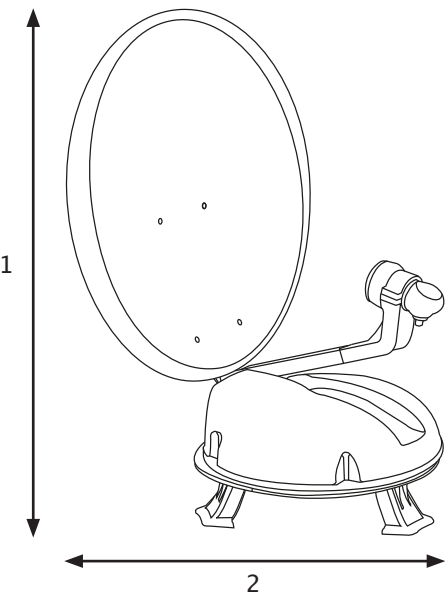
Caution: The value is given as an indication.

## 10. Upgrade : This menu allows you to update the SSC HD using a USB key.

## 11. Advanced Setting-> display orientation: Activating this function will rotate the display of the screen giving you the possibility to fix the module upside-down in the storage cabinet

## 12. Exit: close the menu

# Dimensions and weight



	1	2	3	4	5	weight
Satlight Track 60 cm platinum	63 cm	49 cm	22 cm	65 cm	60 cm	8 kg

Cable length 10 m

## What to do if the system breaks down

Problem	Solution
The message «LNB Short-cut!» is displayed	There is a short circuit on the coax cable between the LNB on the satellite system and the LNB IN on the S.S.C. Check the corresponding cable.
The message «LNB Error! » is displayed	The coax cables connected to the LNB IN and OUT TO DEMO are inverted.
The message «LNB Disconnected» is displayed	There is no connection between the sat unit LNB and the LNB IN on the S.S.C. Check the corresponding cable.
The message «Antenna is stuck» is displayed	The S.S.C has detected a steering problem on the automatic sat unit. Check the motor cable between the S.S.C. and the automatic sat unit.
The message «Low Battery!» is displayed	The voltage on the battery or on the power supply is too low. Charge the battery or change the power supply.
The message «-> Secu contact» is displayed	The S.S.C. has detected the presence of the security contact. The automatic sat unit will not be able to open. Stop the vehicle's engine to use the S.S.C..
The satellite system does no longer find the satellite	Make sure there is no obstacle in front of the satellite unit (building, tree...). When the transmitter changes the frequencies, the positioning will not be done properly. Contact a technician or connect to our website <b>info@alden.net.au</b>

## Technical features

Frequencybord : KU

Frequency : 10,7 à 12,75 GHz  
Polarization : Horizontal and Vertical  
Power supply : 12 V DC  
Power : 13 W maximum  
Operating temperature : 15°C a +50°C  
Humidity rate : 85 % maximum

Dimensions : l = 167 mm  
h = 110 mm  
p = 45 mm

Weight : 0,30 kg  
Stand by consumption : 0,03 A

# Garantie ALDEN

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## The ALDEN warranty covers the following:

Alden warrants to the initial Buyer the products for a standard period of two years from the original date of purchase of the product by the end user. The end user must return the warranty form that is enclosed in the user's guide with a copy of the invoice to Alden. If this document is not returned, the warranty will begin at the date of purchase by the initial Buyer.

**Warning:** If the Buyer decides to undergo reparation without Alden agreement, he will have to support all the consequences and the warranty will become void. Nor the buyer nor the end user can demand compensation for privation of the product for less than 30 days. Alden can under no circumstance be held responsible for accidents or damage due to non observation of the installation instructions. We remind you that any electric installation must be protected with an adapted fuse.

In any case, general installation rules must be followed. The installer and the end user are supposed to know rules and laws (such as the driving rules) and legal rules about heavy loads. The installer and the end user must inform themselves about installation rules. The installer and the end user can not demand compensation or further guarantee if these rules are not followed.

Nevertheless you will benefit from the general legal warranty especially concerning hidden manufacturing faults.

**Warning:** The application of the warranty and any aftersales return must be authorized by Alden before. The buyer shall bear all shipping, packing and insurance costs and all other costs excluding labour and parts necessary to carry out repairs under this warranty (Alden will cover transport costs back to the customer). If you demand express delivery, the costs will remain yours.

## The following are excluded from the ALDEN warrantee:

- replacement of any parts and spare parts;
- abnormal or non-conforming use of the products. We invite you to consult carefully the operating instructions provided with the products;
- breakdowns due to accessories or due to incorrect installation;
- the defects and their consequences due to the intervention of a repairer not approved by ALDEN;
- defects and their consequences related to use not in accordance with the use for which the product is intended;
- defects and their consequences related to any external cause.

# Warranty

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Alden recommends that the installation should be done by a professional technician.

If you choose to install the product yourself, you will be responsible for security matters.

In this case, you are meant to have the necessary competence. You will have to respect rules that apply to professional installers. Respect the law. The product will only be used for the intended matter.

**Warranty:**

The buyer will contact his retailer if problems occur with the product.

**WARNING:**

The warranty will be cancelled if you interfere with the product without Alden's agreement.

Complete the following form and send it back to the following address with a copy of the purchasing invoice:

info@alden.net.au  
Alden Australia, PO Box 7520 Garbutt QLD 4814

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## Warranty form

NAME, First name: .....

Full address: .....

Post code: .....

Town: .....

Country: .....

Retailer: .....

Date of purchase: .....

Product:.....

Serial number: .....