

Antennes satellites automatiques ALDEN

ALDEN automatische Sat-Anlagen

ALDEN automatic satellite systems

Guide d'installation

Aufbau-Anleitung

Installation guide



Onelight 65



Orbiter 65



Orbiter 85



Onelight 60 Platinum



Orbiter 80 Platinum



Planar®



AS2®



AS3®



AS4®

modèles déposés – photos non contractuelles – document établi sous réserve de modifications techniques
 Geschütztes Model – Technische Änderungen vorbehalten.
 Register pattern • Design and specifications are subject to change without notice.

ALDEN

Z.A. du Hairy F-67230 HUTTENHEIM www.alden.fr

Warning

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, interfer, 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)

Warning before installation

Protect the 3 cables (motor, skew and coax) with rubber grommets when installing through holes, walls and cavities. Also protect the end of each cable with papertape during installation.

You **MUST** use the provided cables, without cutting nor modifying them. If not, the warranty will become void.

Do not use the existing coax cables in the vehicle, as the quality of the reception can be altered. Each joint or different types of cables may weaken the quality of reception signal.

You must install separate cables, with a 5Amp fuse on the positive line, directly from the battery cell to the S.S.C.[®] Search module.

You must install separate cables, with a 5Amp fuse on the + (positive) after ignition line, directly from the ignition key (of the motorhome or tow vehicle) to the S.S.C.[®] Search module.

You must install separate cables, with a fuse on the positive line, directly from the battery cell to the receiver. Refer to the instructions of the receiver.

Always make sure the customer will be able to access the switch off/on the AIO/receiver if the vehicle is not used over winter.

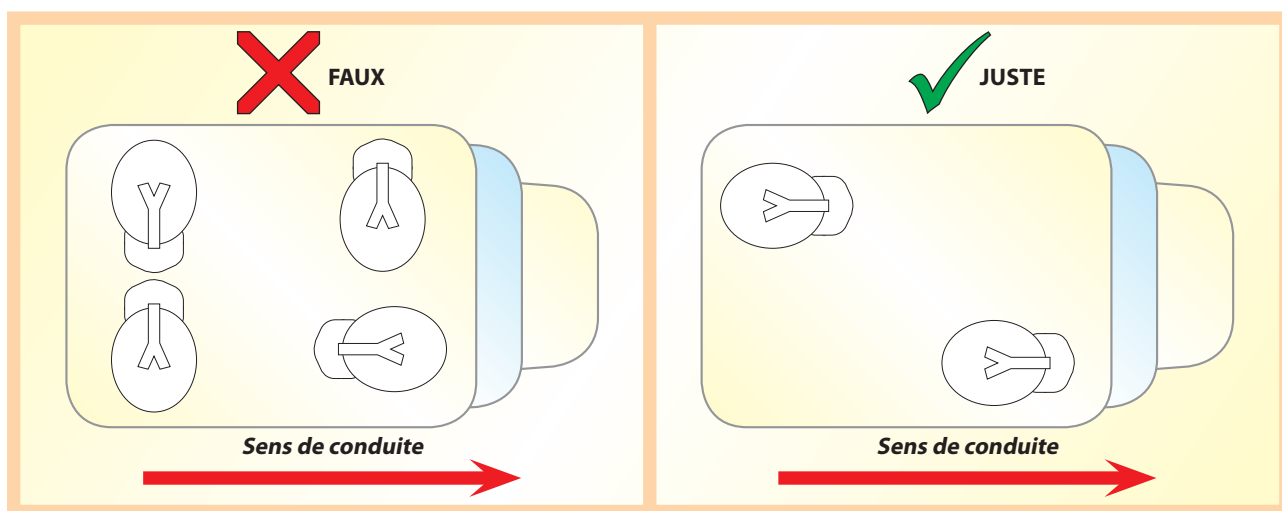
Never use the plus after ignition on the fridge, steps or any other devices.

By switching the satellite system at the main supply, you will be able to save energy. (0,8A per day)

Installation

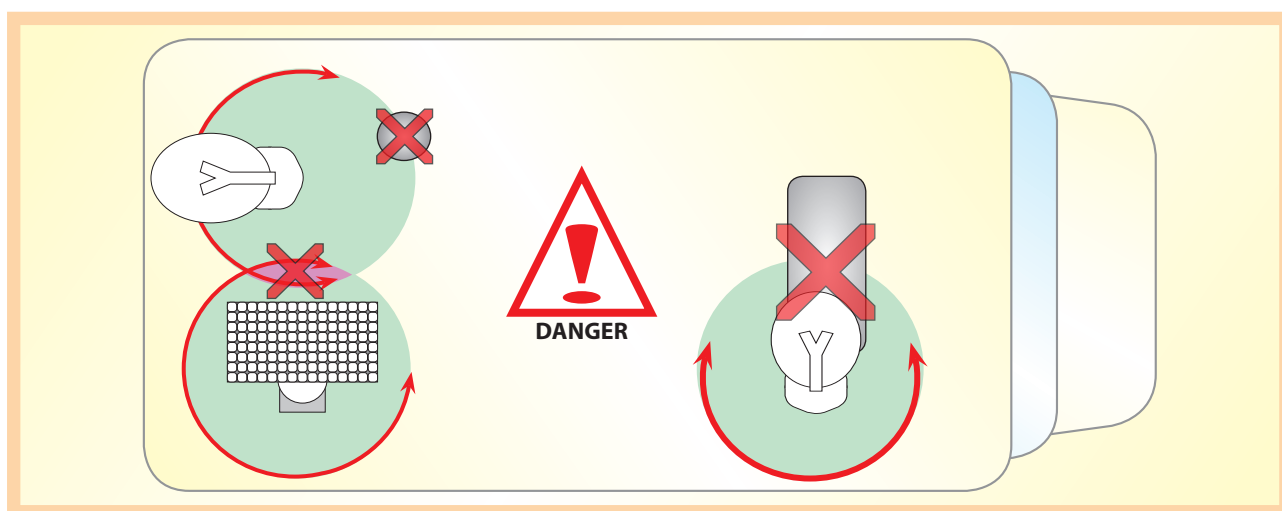
A. Location on the roof.

A satellite system must always be folded down towards the back of the vehicle, never to the front nor to the sides. If possible, always install the system on a smooth and flat surface and avoid curves or inclinations.



B. Rotation area.

No obstacle must be in the surface of rotation of a satellite system or a solar panel. (Examples: roof vents, equipments...)



<p>length x width x height</p>	Onelight	65	640 x 600 x 210 mm
		60 Platinum	640 x 600 x 210 mm
		EVO 60	700 x 590 x 160 mm
	Orbiter	65	770 x 585 x 215 mm
		85	970 x 770 x 195 mm
		60 Platinum	650 x 600 x 215 mm
	AS2®	80 Platinum	770 x 735 x 205 mm
		60 Ultrawhite	700 x 610 x 200 mm
	AS3®	80 Ultrawhite	740 x 780 x 200 mm
		60 Ultrawhite	700 x 610 x 200 mm
	AS4®	80 Ultrawhite	740 x 780 x 200 mm
		60 Ultrawhite	670 x 590 x 205 mm
		80 Ultrawhite	735 x 760 x 205 mm
		Planar®	560 x 475 x 130 mm
	Eurobird	870 x 645 x 140 mm	
	Skymatic	710 x 750 x 210 mm	

C. Controlling the rotation area (presence / absence of obstacles).

Important : To check the rotation area, open all the roof vents.

1. Install the unit on the roof on the chosen location, the LNB has to be folded towards the back of the vehicle.
2. By using a pencil, mark the location of the unit, then remove the unit.
3. Mark the center of the drawing.
4. Cut a piece of string of 60 cm long. Place one end at the center of the drawing. Stretch the string of 60 cm and bring it round (a complete circle) to make sure no obstacle is in the way when the dish will rotate.
5. If no obstacle is in the way, proceed with the glueing; if not, change the location of the satellite system and start the same procedure as in step 4.

D. Gluing.

IMPORTANT INFORMATION CONCERNING SIKA'S PRODUCTS :

Sikaflex®-512 Caravan is a single component hybrid sealant PU based on silane-terminated polymers. It cures on exposure to atmospheric moisture to form a durable elastomer. Sikaflex®-512 Caravan is manufactured in accordance with quality assurance rules ISO 9001 and 14001 and the «Responsible Care» program.

Expiration date are indicated as following: month/year. Example : 03/09 corresponds to March of the year 2009.

Warning: May cause sensitization by inhalation. Do not breathe gas/fumes/vapour/spray. In case of accident or if you feel unwell, seek medical advice immediately (show this document where possible).

Warning: ALDEN SAS Services declines all responsibility if these instructions are not respected.

Carefull: During the drying time, the vehicle must stay parked once you have glued the unit.

Attention:

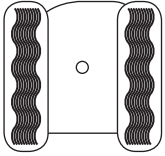
- Only the supplied gluing kit answers the ALDEN SAS Services security requirements.
- Inform the customer of the dangers in case of strong winds. Only start the vehicle once the unit is folded down.
- The warranty will become void if these rules are not respected.



methylenediphenyl diisocyanate

How to glue the outside unit:

1. Mark the location of the external unit with a pencil. Now remove the external unit from the roof.
2. Sand the surface you must glue (roof, under the two fixation plates of the external unit) with sandpaper (medium grain).
3. Clean each surface with a thinner.



4. Spread SikaAktivator -205 on the sanded surface.
Leave to dry for 15 to 20 minutes.
5. Glue generously the fixation plates of the external unit with Sikaflex®-512 Caravan then press slightly on the unit. Layer of glue: ± 3 mm.
Leave to dry for 24 hours.

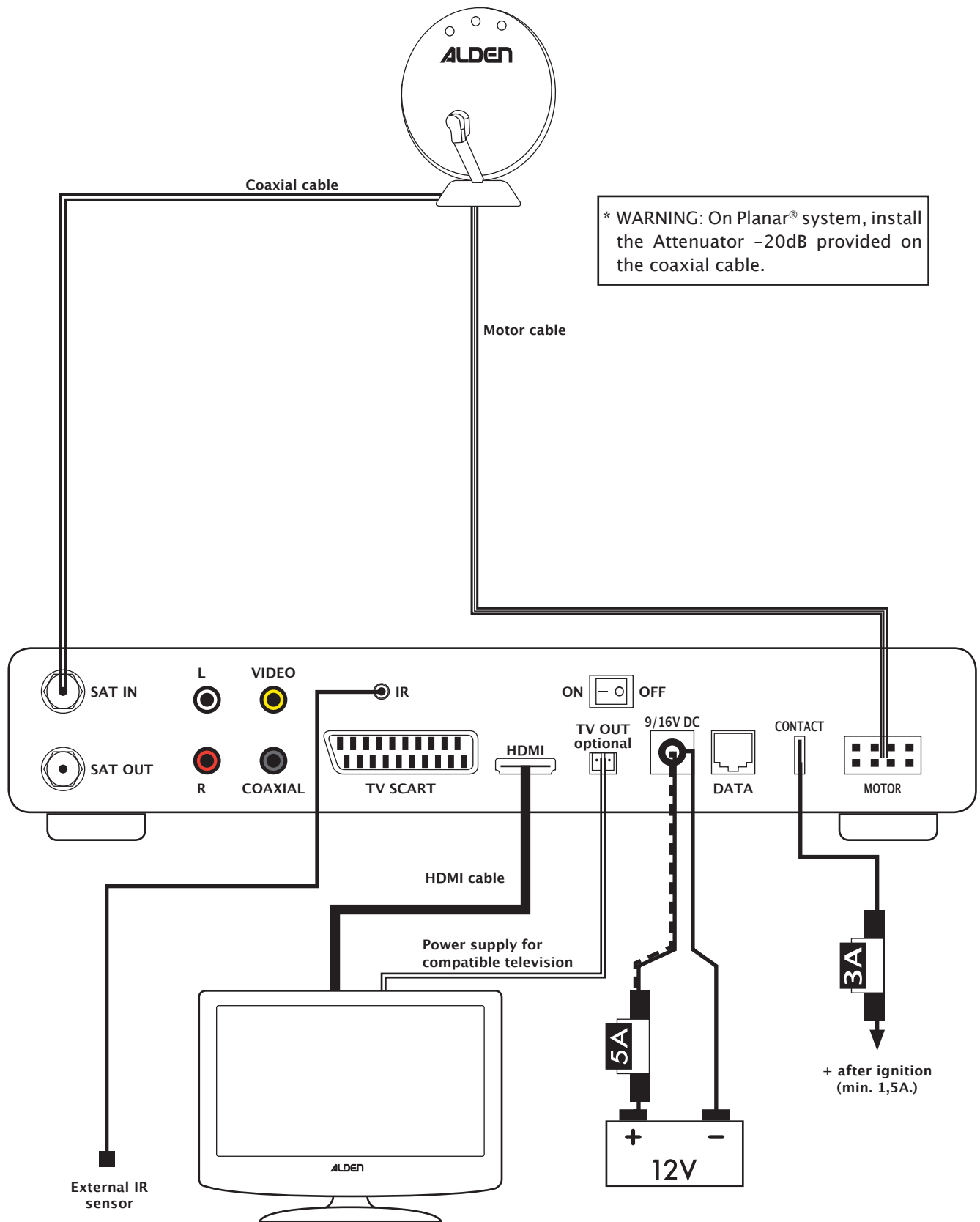
How to place and glue the waterproof cable box:

1. Position the waterproof cable box on the roof at the appropriate place and mark the location with a pencil. Now remove the waterproof cable box.
2. In the center of this mark, drill a hole of the correct dimension, to enable the passage of the coax, skew and motor cable without having to bend them. You must be able to cover the entire hole with the waterproof cable box.
3. Smoothen the hole to avoid damaging the cables.
4. Thread the 2 cables through the hole (towards the inside of the vehicle) and place the waterproof cable box on the roof making sure the cables are not stuck nor bent. Increase the size of the hole if necessary.
5. Sand the surfaces that you have to glue (roof and under the waterproof cable box) with sandpaper (medium grade).
6. Clean each surface with a Wax and Grease remover.
7. Spread SikaAktivator -205 on the sanded surfaces. **Leave to dry for 15 to 20 minutes.**
8. Glue generously the fastening parts of the waterproof cable box with Sikaflex®-512 Caravan then press slightly on it. Layer of glue: ± 3 mm.

It is strictly forbidden to fill the entire waterproof cable box with glue !!!
Leave to dry for 24 hours.

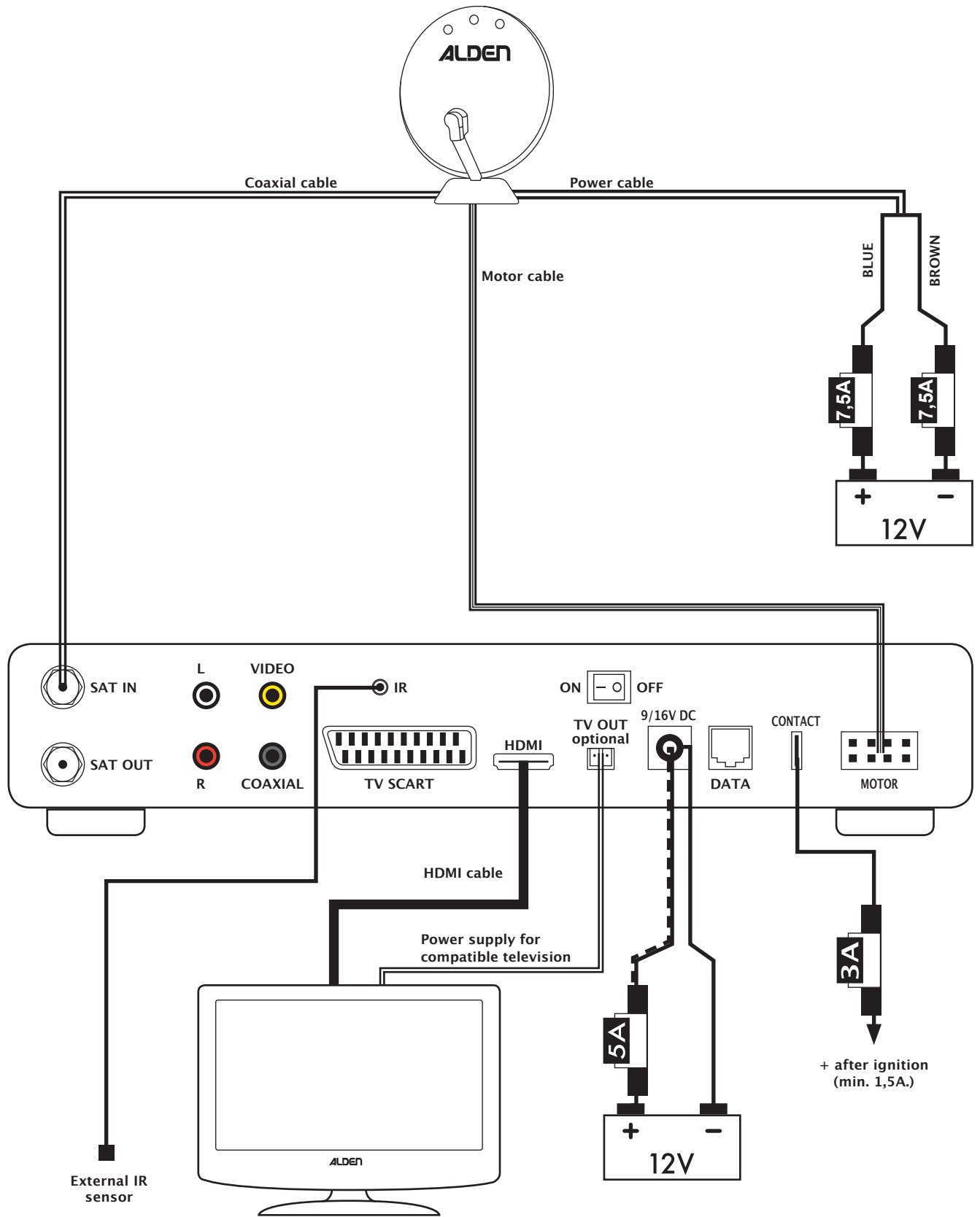
Main connection layout with a receiver

For AS2®, Onelight, Orbiter, Planar®, Eurobird and Skymatic



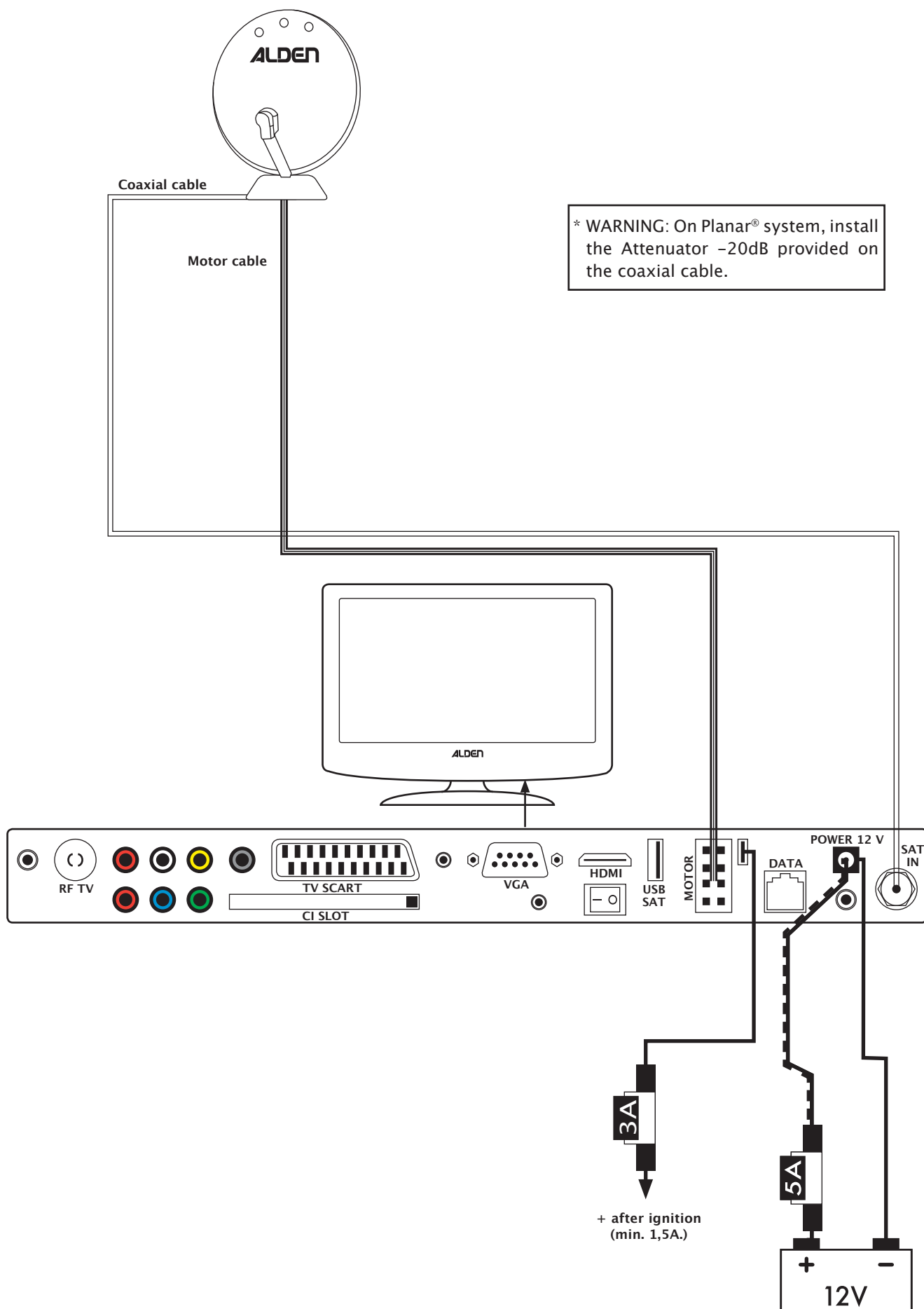
Main connection layout with a receiver

For AS3® and AS4®



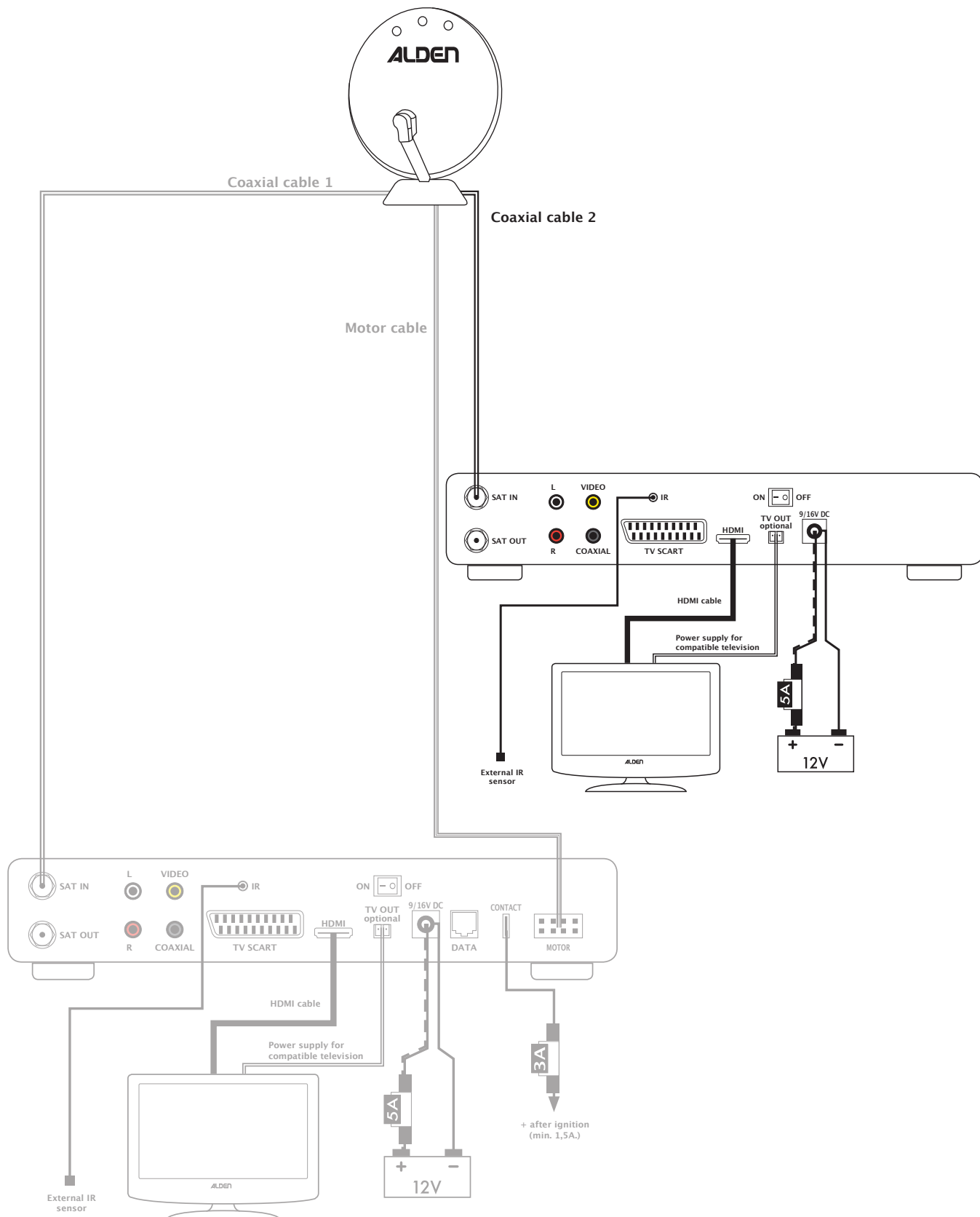
Main connection layout with an A.I.O®

For AS2®, Onelight®, Orbiter®, Planar®, Eurobird® and Skymatic®



Installation with LNB Twin

Please refer instructions page 38 to 41 to connect the Motor and coaxial cable 1.



Using the satellite system

When using an Alden receiver, AIO® or SSC®, the positioning of the main unit will be done automatically.

Read the user's guide of the receiver, AIO®, SSC® to find out more about starting, closing your automatic satellite system.

In case of breakdown

No more power supply	Check the connections, cables and fuses. Fold the system down and use as usual.
The system will not find the satellite	Make sure there is nothing facing the dish (building, tree...). When a transmitter changes the frequencies the automatic positioning will not be done correctly. Contact a technician on +33 3 887 4 79 40
The system will not fold down	Start the vehicle and check if the system folds down. If this does not work, stop the vehicle and remove the dish.

Wind classification

When the wind gets to 5, we advice to fold your mobile equipment down (solar panel, satellite systems).
When it gets to 7, you MUST fold everything down.

Strenght	Name	Speed				Effect
		Knot		Km/h		
0	Calme	1	1	1	1	Smoke is rising straight up.
1	Very slight breeze	1	3	1	5	Smoke gives the direction of the wind; windvanes are not moving.
2	Slight breeze	4	6	6	11	You can feel the wind on your face; leaves will move.
3	Small breeze	7	10	12	19	Flags are up and leaves rustle.
4	Pleasant breeze	11	16	20	28	Dust and sand is lifting from the ground; small branches are bending.
5	Strong breeze	17	21	29	38	Small trees are swaying and the tops of all trees are moving.
6	Cold wind	22	27	39	49	You can hear the wind whistle.
7	Strong cold wind	28	33	50	61	All the trees are moving; you can only just walk facing the wind.
8	Gust of wind	34	40	62	74	You cannot walk facing the wind; some branches are breaking off.
9	Strong gust of wind	41	47	75	88	You cannot walk facing the wind; the wind is damaging buildings.
10	Storm	48	55	89	102	There is a lot of damage; young children of 12 cannot keep their feet on the ground (they can fly away!)
11	Violent storm	56	63	103	117	
12	Hurricane	64	plus	118	plus	

**We remind you that if you forget to fold the system down when the wind gets strong,
the warranty will become void.**

ALDEN warranty

The Alden warranty covers:

This product is warranted by SAS Alden to be free of manufacturing faults for two years from the date of purchase of the buyer. To benefit from this warranty, you **MUST** keep the invoice corresponding to the purchase of this product.

Warning: Do not attempt to interfere on the product without a written agreement from Alden: if you still decide to do so, the warranty will be void. Nor the retailer, nor the end user will be able to demand compensation of any kind whether it be for remounting, demounting or not been able to use the vehicle for less than 30 days. SAS Alden can not be held responsible for incidence or damage of any kind if they are due to a non conform installation following the strict recommendations by SAS Alden. We remind you that all electric installation must be protected with an adapted fuse.

In general, the installation and mounting must be done following strict regulation. The end user and retailer must be held informed about rules and regulations (for example traffic rules, maximal vehicle charge) and follow mounting instructions. If these instructions are not followed, the warranty will be void.

Nevertheless, the warranty will cover manufacturing faults.

Warning: SAS Alden decides to apply the warranty and authorizes the return of the product before hand. The potential return remains at the full charge of the «sender» (customer: when returned to Alden; Alden: when returned to customer). If you demand Express delivery, the costs remain yours.

Warranty exclusions:

- the replacement of consommables and wearing parts;
- this warranty does not apply to defects or damages arising by use of the product in other than normal or by installation or use of the product other than in strict accordance with the instructions contained in the owner's manual;
- breakdowns related to accessories or non conform installation;
- faults and consequences due to alteration caused by a non assigned installer;
- faults and consequences caused by non conform utilisation (the product has a specific role and can not be used for any other matter);
- faults and consequences linked to external causes.

Warranty

Alden recommends that the installation be done by a professional.

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

In this case, you are meant to have the necessary competence. You will have to respect rules that are applied 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 on the product without Alden's agreement.

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

ALDEN - Z.A. du Hairy - F-67230 HUTTENHEIM.

Warranty sheet

Except for the AS4[®], AS3[®] and AS2[®] satellite system, please to refer for the warranty in the booklet «AS4[®], AS3[®], AS2[®] Lifetime warranty conditions» provided with satellite system

Last name, first name:

Full address:

.....

Post code:

Town / COUNTRY:

Dealer:.....

Date of purchase:

Product:

Automatic satellite system serial number:

(on the satellite system support)

A.I.O[®] serial number:

(sticker=ALDEN AIO)

Decoder serial number:.....