

Catalogue 2016/2017



Travel Innovation

Fully automatic satellite systems,
manual satellite systems, LED TV sets,
solar systems

Photo credits: Fotolia/Tomasz Zajda



ALDEN
GmbH
DEUTSCHLAND

Progress, innovation and creativity – revolutions for over 20 years

Visionaries Stéphane and Jean-Marie Waag have been revolutionising the market for motor home accessories for over 20 years now. At a time when there was barely anyone talking about solar systems for recreational vehicles, they prepared the ground for taking this inexhaustible and free-of-charge energy source to motor homes.

As pioneers in their field, father and son Waag also brought the multimedia world into the motor home. They enhanced the experience with innovations like the indispensable All-in-One (A.I.O.®) receiver-in-TV concept, or products like the high-end AS-series satellite system, which comes with a lifetime warranty thanks to its reliability, unique selling points and solid construction.

As one of the European market leaders for satellite, TV and solar systems designed for mobile use, Alden Group employs more than 120 people. The organisation is based mainly on two pillars: Alden France and Alden Germany. It is from here that customers throughout Europe, Australia and South Africa are supplied and served. In order to continue the extraordinary growth and development boost of the past years, Alden Group has made long-term investments in development and production.

Alden Germany, headed by Manfred Sandow, is based in Neuenkirchen-Vörden, near Bremen. The award-winning Alden Group has developed into one of the most important manufacturers of multimedia systems for caravans and motor homes, a position that was confirmed over and over again by products testers and readers of various specialist magazines, both at home and abroad. Another contributor to the company's ongoing growth and success was the doubling of the warehousing capacity in Germany.

The complete antenna production takes place in Alsace, near the German border. The combination of state-of-the-art production facilities and a huge storage capacity of several thousands of square metres guarantees flawless processes every day, with more than 80 % of all incoming orders delivered within 24 hours and, last but not least, product availability throughout the season. The in-house, close-to-process quality management supervises every single step of the production process and ensures that products are released for delivery only after having passed extensive test runs. Every day, dozens of trucks deliver products and accessories to customers in Germany and all over Europe. Besides enjoying cutting-edge multimedia systems, customers also benefit from an unmatched Alden strength, service excellence. Highly professional, fast, reliable and customer-orientated at all times, Alden is more than "just" a supplier, but provides comprehensive support – from advice on enquiries to order processing, installation and beyond, across the lifetime of the product. As a strong and reliable company, we work closely with our partners. Regardless of whether it's a new customers or long-term business partner, flawless processes and absolute customer satisfaction are our highest priorities.

Our goal: complete customer satisfaction.





Photo credits: Alden

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S.S.C.® HD MODULE

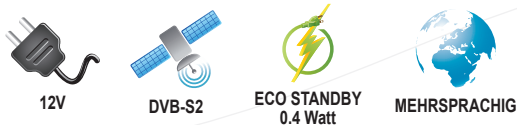
Often copied – never matched ...

Alden's legendary S.S.C.® HD module has evolved into a unique product in many years of research work. With the new and exclusive electronics system, the S.S.C.® HD is fit for the future and perfectly designed for high-resolution television. Regardless of whether it is about quick satellite tracking or ease of operation: everything has become more clearly structured, easier to use and more convenient. As a pioneer in creating and integrating SAT-TV combinations and their controls, Alden is a big step ahead of its competitors backed by its many years of experience.

The S.S.C.® HD can be invisibly integrated in the vehicle where it teams up with an Alden TV (18.5", 22" or 24") to deliver its full functionality. A touch of a button on the TV remote control is enough to start the SAT-TV combination. It requires a mere 15 watts in TV mode (SAT and 18.5" LED TV). The S.S.C.® HD works independently of a specific receiver. It can be used with any HD or SD receiver and is available for manual as well as for automatic Alden satellite systems.



Rear view of the S.S.C.® HD search module





Features

- Receiver-independent
- Very easy to use
- Control (alignment)
possible via Alden LED TV set
- Search run in HD technology
- Factory programmed satellites:
Astra 19E, Astra 23E, Astra 28N, Astra 28S,
Hotbird 13E, Atlantic Bird 5W, Thor 1W, Sirius 5E,
Eurobird 9, Hispasat 30W, Hellas Sat 39E and
many more.
- Connections: USB (for service),
12 volts for Alden TV, antenna IN / OUT
- Display for adjusting the settings
- Connection for an external control unit
(optional, available from summer 2016)
- Mains switch (0 watts)
- Operating voltage: 12 volts (10 – 17 volts)
- Power consumption: approx. 4 watts
- Standby: approx. 0.4 watts
- Menu languages: German, English, French
- Dimensions: L x W x H 16.7 x 11 x 4.5 (cm) / 0.3 kg

Automatic version

- S.S.C.® HD control module (receiver-independent)
- Fully automatic alignment
 - Retracts automatically when the vehicle is started
 - Suitable for any automatic Alden Sat system
(regardless of the age)

Manual version

- S.S.C.® HD control module (receiver independent)
- Suitable for any manual antenna
(regardless of the make)
 - Easy satellite location
 - Lag-free acoustic signal
 - Lag-free visual signal

Accessory: S.S.C.® HD controller



The new S.S.C.® HD controller allows full remote of the S.S.C.® HD control module. All functions otherwise set or accessed directly on the unit can now be called up via the controller and are shown on the large, dimmable display. It is a perfect external control unit that can be installed anywhere in the vehicle with the 5-metre RJ 45 connection cable and then be operated from there. The controller allows navigation in the menu, informs about the selected satellite, and gives a clear overview of the antenna position, reception quality and the current operating mode. Using the mounting frame included in the set, the controller unit can be flush or surface mounted in the motor home. Besides the main display of the individual S.S.C.® HD control module functions, the unit also indicates other information such as the battery voltage or the temperature inside the vehicle.

S.S.C.® HD controller accessories:

Connection cable 5 metres

Mounting frame

Photo credits: Fotolia / Tomasz Zajda

Libertas HD

Libertas HD

Alden Libertas HD receiver technology, well proven in thousands of installations all over Europe, is designed for reception in Germany and covers all commonly used satellites and free-to-air programmes (FTA).

Channel lists or operating software can be quickly updated by USB flash drive to keep the receiver up to date anytime. Combined with the Alden LED TV sets (18.5", 22" or 24") and Alden's exclusive technology, the receiver delivers its full functionality. A touch of a button on the remote control is enough to start the SAT-TV combination. It requires a mere 24 watts in operation (SAT and 18.5" LED TV).



Rear view of the HD



12V



DVB-S2



ECO STANDBY
0.5W



CI+



4400 KANÄLE



VIDEOTEXT



EPG



MEHRSPRACHIG



DIGITAL
RECORDER



TIMESHIFT



VIDEO



AUDIO



Features

- Mains switch (on/off)
- Status readout on display
- 4-digit LED display
- 9-16 V DC voltage supply
- Power consumption: < 10 watts
- Standby consumption: < 0.5 watts
- Supports DVB-S/S2
- CI+ (Common Interface) for reception of coded channels
- Videotext and Electronic Program Guide (EPG)
- PVR (personal video recorder) and time shift (USB 2.0 2.5" hard drive required)

- Connections: HDMI, SCART and cinch, audio out cinch, digital coax
- External IR receiver (IR eye)
- Up to 4400 channels can be saved
- Digital radio reception
- Software update via USB
- Channel list update via USB
- Retracts automatically when the vehicle is started
- Installation assistant
- Dimensions: L x W x H 16.7 x 11 x 4.5 (cm) / 0.3 kg
- Optional I-COM7®

Control receiver

The control receiver version serves as a control centre for automatic Alden antennas to ensure accurate and fast alignment of the external module. For the receiver's standby mode, the external antenna module can be programmed to stay extended, or retract automatically. Naturally, the antenna retracts automatically when the vehicle is started.

BIP receiver

The BIP receiver version for manual satellite systems (of all makes) is fitted with the 3rd generation BIP SAT search module. During alignment, the BIP module audibly and visually indicates only the desired, previously set satellite signals; all other, neighbouring satellites are ignored. This ensures fast and hassle-free alignment of the manual antenna.

Factory programmed satellites

Astra 19E	Thor 1W
Astra 23E	Sirius 5E
Astra 28N	Eurobird 9
Astra 28S	Hispasat 30W
Hotbird 13E	Hellas Sat 39E
Atlantic Bird 5W	

Menu languages

German	Dutch
French	Norwegian
English	Danish
Italian	Swedish
Spanish	Finnish
Czech	

A.I.O.® All-In-One

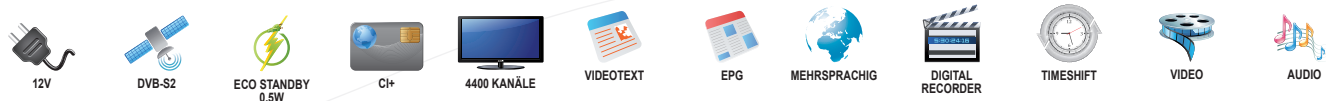


including I-COM7®

Das A.I.O.® All-In-One

Fully integrated control electronics is the hallmark of the A.I.O.® system. This HD control module was conceived for aligning fully automatic Alden satellite systems. You just press a single button, and the antenna aligns quickly and reliably towards the desired satellite. When a manual system, regardless of the make, is used, the satellite search is supported by an audible and visual signal to ensure hassle-free alignment. There's no need to install and wire an external control box or separate receiver. The benefits are obvious: more storage space and minimal effort for installation, maintenance and wiring. The intuitive I-COM7® remote control is already included in the delivery kit. The A.I.O.® control system, operating at an

amazingly low power consumption of about 20 watts, integrates a triple tuner for digital television in DVB-S2 (HDTV) or, respectively, DVB-S, DVB-C and DVB-T. This opens up a vast array of applications and allows the reception of digital TV channels in excellent quality. Brilliant colours and high-contrast images make every TV programme a pleasurable experience. An integrated DVD player and a USB port make for comfortable playback and use of all desired media and data carriers. Multiple connection and playback options qualify the A.I.O.® system as a genuine all-rounder. Using the integrated CI slot and the corresponding CA module, it is also possible receive and watch pay TV channels.





Features

- Screen diagonal 18.5" (47 cm), 16:9
- Mains switch (0 watts)
- Operating voltage: 9–16 V DC
- Power consumption: approx. 24 watts
- Standby consumption: < 0.5 watts
- Supports DVB-S/S2
- CI+ (Common Interface) for reception of coded channels
- Videotext and Electronic Program Guide (EPG)
- PVR (personal video recorder) and time shift (USB 2.0 2.5" hard drive required)
- Up to 4400 channels can be saved
- Digital radio reception
- 3 receiver modules (tuners):
HDTV-SAT (DVB-S2) and SD-SAT (DVB-S), DVB-T, DVB-C
- Software update via USB
- Channel list update via USB
- Installation assistant
- Connections: HDMI, headphones, cinch, SCART, USB, RGB, audio out
- Dimensions: L x W x H 44.5 x 28 x 5.2 (cm) / 3 kg

Control receiver

The control receiver version serves as a control centre for automatic Alden antennas to ensure accurate and fast alignment of the external module. For the receiver's standby mode, the external antenna module can be programmed to stay extended, or retract automatically. Naturally, the antenna retracts automatically when the vehicle is started.

BIP-Receiver

The BIP receiver version for manual satellite systems (of all makes) is fitted with the 3rd generation BIP SAT search module. During alignment, the BIP module audibly and visually indicates only the desired, previously set satellite signals; all other, neighbouring satellites are ignored. This ensures fast and hassle-free alignment of the manual antenna.

Factory programmed satellites

Astra 19E	Thor 1W
Astra 23E	Sirius 5E
Astra 28N	Eurobird 9
Astra 28S	Hispasat 30W
Hotbird 13E	Hellas Sat 39E
Atlantic Bird 5W	

Menu languages

German	Dutch
French	Norwegian
English	Danish
Italian	Swedish
Spanish	Finnish
Czech	

Photo credits: Fotolia/ Boggy

Manual HD satellite systems

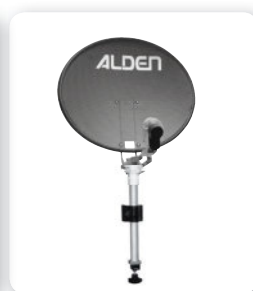


Manual satellite systems CTV and Satlight HD

These well-proven, easy-to-use, entry-level price systems are used all over Europe and serve their owners very well. They are ideal for receiving programmes in perfect HD quality and are excellent value for money. The systems excel with their easy operation and fast location of the desired satellite through Alden's patented technology incorporated in the S.S.C.® search module or the BIP receiver. An elevation display serves to adjust the angle of the antenna mirror for the respective location. Alignment is then done in no time at all, by rapidly pivoting the antenna mast back and forth. The short beep tone of the sat finder finally signals that the satellite was found.



CTV 65

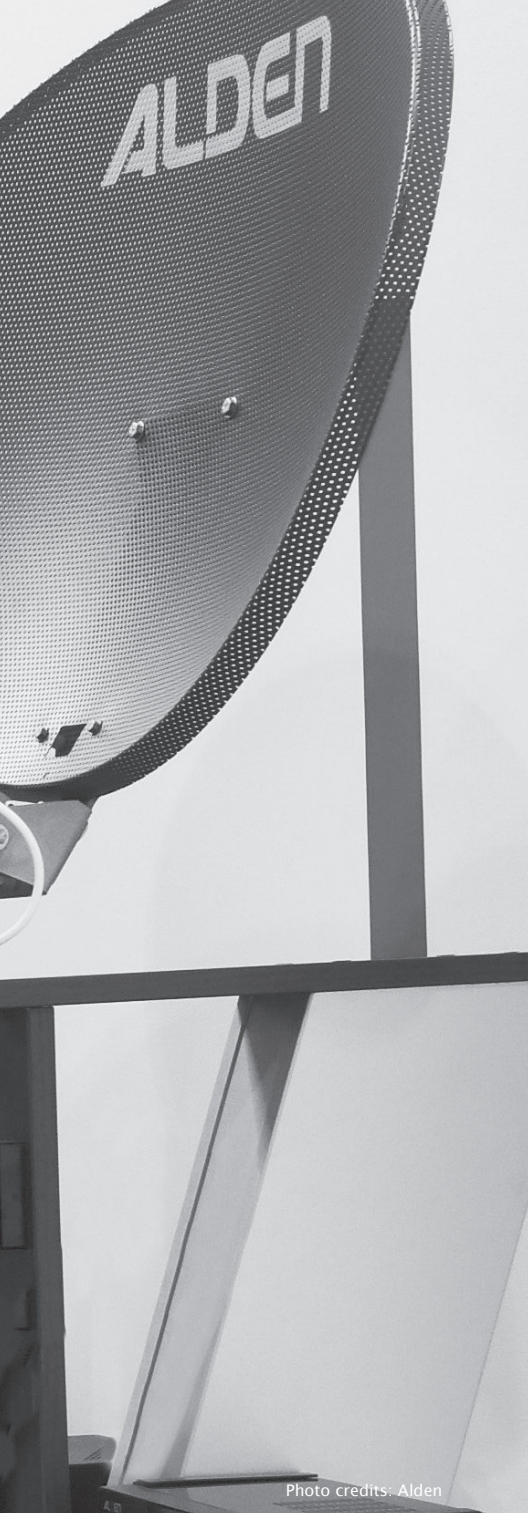


Satlight 60 Platinum
(CTV 60)



Satlight 80 Platinum





Variants:

- **S.S.C.® HD search module**
Acoustic and visual alignment indication (receiver-independent)
- **HDTV BIP receiver**
Receiver and search module are one unit
- **A.I.O.® (All-in-One)**
HDTV BIP search module integrated in the TV

Special features:

- **Platinum mirror (60 or 80 cm only)**
Unique wind load reduction
- **Pre-programming available for:**
Germany, United Kingdom, Italy, Spain, Czech Republic, the Netherlands, Norway, Denmark, Sweden, Finland, Austria, and Switzerland (receiver and A.I.O.® only)



S.S.C.® HD search module

or



HDTV BIP receiver

or



A.I.O.® HD All-in-One

Dimensions/prices:

S.S.C.® HD search module (receiver-independent)	CTV 65	L x W x H approx. 74 x 58.5 x 23.5 (cm) / 3.6 kg	569,- €
	Satlight 60 Platinum	L x W x H approx. 62 x 58.5 x 18 (cm) / 4.2 kg	659,- €
	Satlight 80 Platinum	L x W x H approx. 67 x 77 x 19 (cm) / 5.0 kg	799,- €
HDTV BIP receiver	CTV 65		649,- €
	Satlight 60 Platinum		749,- €
	Satlight 80 Platinum		899,- €
A.I.O.® 18.5" HDTV BIP receiver in A.I.O.®	CTV 65		1.149,- €
	Satlight 60 Platinum		1.249,- €
	Satlight 80 Platinum		1.349,- €
Optional	ICOM7®	Including remote control for daily use	79,- €

Photo credits: Alden

Onelight HD



Onelight HD – Fully automatic satellite system

Onelight series antennas, being the most compact, lightweight and elegant automatic satellite systems, will satisfy all comfort-minded customer. With their small dimensions, space-saving design and light weight (approx. 7 kg), combined with a modest power consumption, they are a true insider tip and the perfect solution to weight and space challenges. Onelight antennas are exclusively available with a 60/65 mirror.

For customers wishing to have the widest reception range possible, we recommend the Orbiter or AS antenna series, which are also available with a 80/85 antenna mirror. The delicately perforated parabolic mirror of the Platinum model guarantees a reduced sensitivity to wind loads.

Twin LNB:



All systems are optionally available with a dual LNB for independent operation of two receivers or two TV sets.



Onelight 65



Onelight 60 Platinum

equipment





Photo credits: Alden

Variants:

- **S.S.C.® HD control module**
System is aligned fully automatically
(independent of the receiver and make)
- **HDTV control receiver**
Receiver and control module are one unit
- **A.I.O.® (All-In-One)**
HDTV control module integrated in the TV

Special features:

- **Platinum mirror (60 cm only)**
Unique wind load reduction
- **Pre-programming available for:**
Germany, United Kingdom, Italy, Spain, Czech Republic,
the Netherlands, Norway, Denmark, Sweden, Finland,
Austria, and Switzerland
(receiver and A.I.O.® only)



S.S.C.® HD control module

or



HDTV control receiver

or

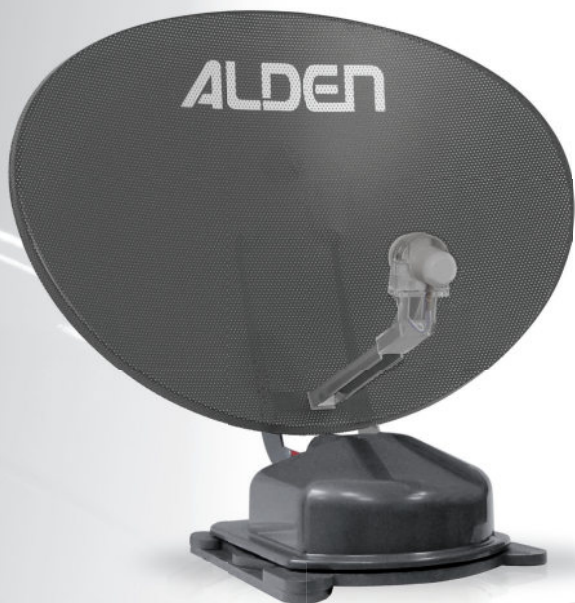


A.I.O.® HD All-In-One

Dimensions/prices:

S.S.C.® HD control module (receiver-independent)	Onelight 65	L x W x H approx. 63 x 60 x 21 (cm) / 7.3 kg	1.369,- €
	Onelight 60 Platinum	L x W x H approx. 63 x 60 x 21 (cm) / 7.3 kg	1.399,- €
HDTV control receiver	Onelight 65		1.469,- €
	Onelight 60 Platinum		1.499,- €
A.I.O.® HDTV control receiver	Onelight 65		2.069,- €
	Onelight 60 Platinum		2.099,- €
Optional	Twin LNB	Different channels on two TV sets simultaneously	169,- €
	ICOM7®	Including remote control for daily use	79,- €

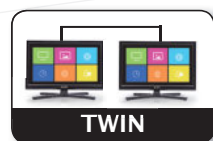
Orbiter HD



Orbiter HD – Fully automatic satellite system

The Orbiter series has all the features of a modern, fully automatic satellite antenna. With its exceptional reception range (see footprint details on pages 27 – 28), the Orbiter 80 is the ideal all-rounder for motor home owners who do not want to give up on watching TV while travelling all over Europe. The compact design, the low mounting height and the amazingly light weight for a mirror of this size (starting at approx. 9 kg) are other features that speak for themselves. The Orbiter is available as a 65/85 model with a closed offset antenna mirror, and a 60/80 model with the Platinum antenna mirror. Here again, the specially perforated mirror reduces the wind load of the Platinum models and makes them less conspicuous.

Twin LNB:



All systems are optionally available with a dual LNB for independent operation of two receivers or two TV sets.



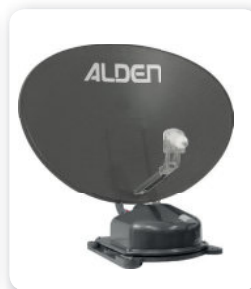
ORBITER 65



ORBITER 85



ORBITER 60 Platinum



ORBITER 80 Platinum



Variants:

- **S.S.C.® HD control module**
System is aligned fully automatically
(independent of the receiver and make)
- **HDTV control receiver**
Receiver and control module are one unit
- **A.I.O.® (All-In-One)**
HDTV control module integrated in the TV

Special features:

- **Platinum mirror (60 cm / 80 cm only)**
Unique wind load reduction
- **Pre-programming available for:**
Germany, United Kingdom, Italy, Spain, Czech Republic,
the Netherlands, Norway, Denmark, Sweden, Finland,
Austria, and Switzerland
(receiver and A.I.O.® only)



S.S.C.® HD control module

or



HDTV control receiver

or



A.I.O.® HD All-In-One

Dimensions/prices:

S.S.C.® HD control module (receiver-independent)	Orbiter 65	L x B x H ca. 74 x 60 x 21 (cm) / 9,2 kg	1.669,- €
	Orbiter 85	L x B x H ca. 96 x 75 x 21 (cm) / 9,5 kg	1.699,- €
	Orbiter 60 Platinum	L x B x H ca. 64 x 60 x 21 (cm) / 9,5 kg	1.669,- €
	Orbiter 80 Platinum	L x B x H ca. 70 x 77 x 21 (cm) / 10,4 kg	1.699,- €
HDTV control receiver	Orbiter 65		1.819,- €
	Orbiter 85		1.849,- €
	Orbiter 60 Platinum		1.819,- €
	Orbiter 80 Platinum		1.849,- €
A.I.O.® 18.5" HDTV control receiver in A.I.O.®	Orbiter 65		2.269,- €
	Orbiter 85		2.349,- €
	Orbiter 60 Platinum		2.269,- €
	Orbiter 80 Platinum		2.299,- €
Optional	Twin LNB	Different channels on two TV sets simultaneously	169,- €
	ICOM7®	Including remote control for daily use	79,- €

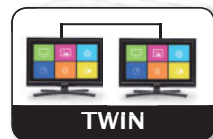
AS – HD Series



AS HD Series – Fully automatic satellite system with a lifetime Guarantee*

The AS HD antenna series satisfies the most discerning customers. This high-end system perfectly combines quality and functionality with ease of operation. The use of high-quality motor and transmission modules gives an outdoor unit with a lifetime warranty*. The various AS models differ only in their rotation speed and noise decoupling. They all share the same quality, functionality, ease of use and variety of features. The AS series is unique not only through its design but also in terms of functionality, reliability and warranty. Its exceptional value for money makes it stand out from other products in this antenna category. The exclusive, specially perforated Platinum mirror guarantees a reduced wind load and gives the antenna a sleek, classy and inconspicuous look.

Twin LNB:



All systems are optionally available with a dual LNB for independent operation of two receivers or two TV sets.





Variants:

- **S.S.C.® HD control module**
System is aligned fully automatically
(independent of the receiver and make)
- **HDTV control receiver**
Receiver and control module are one unit
- **A.I.O.® (All-In-One)**
HDTV control module integrated in the TV

Special features:

- **Platinum mirror** (60 / 80 only)
Unique wind load reduction
- **Pre-programming available for:**
Germany, United Kingdom, Italy, Spain, Czech Republic,
the Netherlands, Norway, Denmark, Sweden, Finland,
Austria, and Switzerland
(receiver and A.I.O.® only)



S.S.C.® HD control module

or



HDTV control receiver

or



A.I.O.® HD All-In-One

Dimensions/prices:

S.S.C.® HD control module (receiver-independent)	AS2 60 Platinum	L x W x H approx. 67 x 60 x 21 (cm) / 11.5 kg	1.749,- €
	AS2 80 Platinum	L x W x H approx. 73 x 77 x 21 (cm) / 12.2 kg	1.799,- €
	AS3 60 Platinum	L x W x H approx. 67 x 60 x 20 (cm) / 8.4 kg	1.849,- €
	AS3 80 Platinum	L x W x H approx. 73 x 76 x 20 (cm) / 9.2 kg	1.899,- €
	AS4 60 Platinum	L x W x H approx. 65 x 60 x 21 (cm) / 11.5 kg	1.949,- €
	AS4 80 Platinum	L x W x H approx. 71 x 77 x 21 (cm) / 12.2 kg	1.999,- €
HDTV control receiver	AS2 60 Platinum		1.919,- €
	AS2 80 Platinum		1.949,- €
	AS3 60 Platinum		2.019,- €
	AS3 80 Platinum		2.049,- €
	AS4 60 Platinum		2.119,- €
	AS4 80 Platinum		2.149,- €
A.I.O.® 18.5" HDTV control receiver in A.I.O.®	AS2 60 Platinum		2.369,- €
	AS2 80 Platinum		2.399,- €
	AS3 60 Platinum		2.469,- €
	AS3 80 Platinum		2.499,- €
	AS4 60 Platinum		2.569,- €
	AS4 80 Platinum		2.599,- €
Optional	Twin LNB	Different channels on two TV sets simultaneously	169,- €
	ICOM7®	Including remote control for daily use	79,- €

Photo credits: Alden

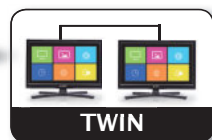
Planar HD



Planar HD – Fully automatic satellite system

This high-performance, fully automatic satellite system has a mounting height of only 13 cm, which makes it the perfect solution for tight vehicle dimensions. Its reception range is amazing for a mirror of this shape and construction. The Planar is also available as an A.I.O.® HD All-in-One, HDTV control receiver and S.S.C.® HD control module version (receiver-independent).

Twin LNB:



All systems are optionally available with a dual LNB for independent operation of two receivers or two TV sets.



Variants:

- **S.S.C.® HD control module**
System is aligned fully automatically
(independent of the receiver and make)
- **HDTV control receiver**
Receiver and control module are one unit
- **A.I.O.® (All-In-One)**
HDTV control module integrated in the TV

Special features:

- **Pre-programming available for:**
Germany, United Kingdom, Italy, Spain, Czech Republic,
the Netherlands, Norway, Denmark, Sweden, Finland,
Austria, and Switzerland
(receiver and A.I.O.® only)



S.S.C.® HD control module

or



HDTV control receiver

or



A.I.O.® HD All-In-One

Dimensions/prices:

S.S.C.® HD control module (receiver-independent)	Planar®	L x W x H approx. 56 x 47.5 x 13 (cm) / 9.3 kg	1.549,- €
HDTV control receiver	Planar®		1.649,- €
A.I.O.® 18.5" HDTV control receiver in A.I.O.®	Planar®		2.149,- €
Optional	Twin LNB ICOM7®	Different channels on two TV sets simultaneously Including remote control for daily use	169,- € 79,- €

ULTRAWIDE DVD/DVB-S2



ULTRAWIDE TV

The new generation of Alden TV sets, featuring brilliant, high-contrast image quality, turns every show you watch into pure pleasure. The devices are available in the 16:9 format and in screen sizes of 18.5" (47 cm), 22" (55 cm) and 24" (60 cm). Designed to withstand the significant temperature changes and vibrations in motor homes, the new LED displays are highly efficient, too; their energy consumption was reduced by approx. 20 %. With a record-breaking power consumption starting at 14 watts and a 0 watt on/off switch, nothing stands in the way of long evenings in front of the TV. The integrated triple tuner (DVB-S2, DVB-T and DVB-C) ensures a wide usage spectrum and receives digital and HD channels in the

highest quality. The integrated DVD player and USB port enable you to play your favourite films, photos, slide shows or music. Various outputs for all audio and video standards make the LED TV sets ready for universal use. Thanks to the integrated CI slot, you can also receive pay-TV channels by using the respective CA module.



4400 KANÄLE



ECO STANDBY
0.5W



MEHRSPRACHIG



VIDEO



AUDIO





Features:

- Format 16:9
- DVD Player
- 3 receiver parts (tuner):
HDTV-SAT (DVB-S2) or SD-SAT (DVB-S), DVB-T,
DVB-C
- Energy efficiency class: A
- Power switch: 0 watts
- Operating voltage: 12 volts (10 – 18 volts)
- Standby consumption: 10 mA (approx. 0.15 watts)
- Power consumption: starting at 14 watts
- Operates on 230 volts with the included mains adapter
- Connections: HDMI, headphones, Cinch, SCART, USB, RGB, audio out
- CI port for CA module
- Prepared for VESA mount

Dimension/Prices:

TV / DVD sets	TV 18,5" DVD	W x H x D approx. 45 x 28 x 5 (cm) / 3 kg / 14 watts	399,- €
	TV 22" DVD	W x H x D approx. 51 x 32 x 4 (cm) / 4 kg / 18 watts	479,- €
	TV 24" DVD	W x H x D approx. 56 x 30 x 6 (cm) / 4 kg / 21 watts	559,- €

I-Sound HD



Motor home TV sets keep getting flatter and more compact, having become rather design-focused high-tech devices. Their stylish design also means that speakers had to become smaller to fit into the slim housing, which resulted in an impaired sound quality and overall sonority. In our living-rooms at home we can easily improve the sound by connecting high-quality speakers. This is almost impossible to do in a motor home without serious effort. The new I-Sound HD takes up the challenge and ensures a considerable improvement in sound

quality. This speaker system incorporates two high-class broadband speakers which function as a perfectly tuned stereo unit. It can be easily connected to our TV set. Energy supply and connection of the audio signal occur via the corresponding interfaces. The sound system can also be used in combination with other TV sets, provided they have the matching connections. Enjoy a stunning new acoustic and visual experience in your mobile home!

Features: audio cable for the TV headphone jack, turning knob with on/off switch and volume regulator, 2 broadband speakers, power supply through 5 V USB, 2 x 24 watts max., mount for installing the TV included

Dimensions/prices:

I-Sound HD	W x D x H approx. 40 x 5.5 x 6 (cm) / 0.45 kg	99,- €
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S.S.C.® HD search module

S.S.C.® HD search module for all manual antennas (independent of the make)

Thanks to Alden's exclusive electronics system, you can find the desired satellite in just a few seconds. Using the system, the manual antenna can be moved very quickly and smoothly. The intelligent software ensures ultra-fast satellite signal processing; so you don't need to be a technical expert to find the desired satellite with ease.

The new S.S.C.® HD search module is not only designed for manual Alden systems; it can also be used by other manual satellite systems, regardless of the make. The S.S.C.® HD will only emit a signal tone when the previously set satellite has been found. For signal processing, the module is connected between the satellite system and the receiver; it can be permanently installed.



Rear view of the S.S.C.® HD search module



Features

- Easy satellite location
- HD search technique
- Preset satellites: 8
- Instant acoustic signal
- Visual indicator (NEW!)
- Intuitive operation
- Easy installation – permanent installation possible
- Fits all manual Sat systems (independent of the make)
- Power consumption: approx. 4 watts / standby: 0.4 watts
- Dimensions: L x W x H 16.7 x 11 x 4.5 (cm)

Dimensions/prices:

Search module	S.S.C.® HD manual search module	219,- €
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HDTV-BIP Receiver

HDTV BIP receiver for all manual antennas (independent of the make)

This HD TV receiver is suitable for reception in Germany. Featuring an integrated S.S.C.® HD search module, it is used for manually aligned satellite systems. Manual antennas of all makes can be moved quickly and smoothly during the search run thanks to the smart BIP receiver software. The ultra-fast analysis of the satellite signal ensures an immediate audible and visual response without any time lag and considers only the satellite to be found. A low power consumption of less than 10 watts and convenient updating of channel lists or operating software by USB flash drive are only a few features that make this receiver stand out.



Rear view of the BIP receiver



Features

- Easy satellite location
- HD search technique
- Preset satellites: 12
- Instant acoustic signal
- Visual indicator (NEW!)
- Intuitive operation
- Easy installation – permanent installation
- Fits all manual Sat systems (independent of the make)
- Power consumption: approx. 10 watts / standby: 0.5 watts
- Dimensions: L x W x H 23 x 16.5 x 4 (cm) / 0.3 kg

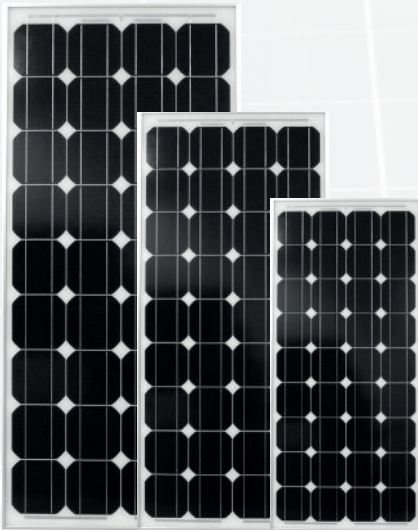
Prices:

HDTV BIP-Receiver	HDTV BIP receiver, manual	249,- €
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Solar modules

Alden's high-performance solar modules are characterised by top performance, a compact design and an excellent finish. The modules are manufactured according to the strictest quality standards and can be exposed to the harshest everyday situations and environmental conditions. The result speaks for itself: the solar modules come with a 25-year performance warranty. Alden solar sets have been proven in thousands of installations. The practical, well engineered complete sets include all components and instructions for professional solar installations. The pre-mounted spoilers are simply glued in place with the included special adhesive. There's no need for any screws.



Solar set features



- High-performance, mono-crystalline cells



- Sturdy aluminium frame



- Top-quality connection socket



- Non-return valve



- For motor homes, caravans and boats



- 25-year performance warranty

High Power

The solar modules in the High Power series have an excellent finish and are unbeatable in terms of value for money. Thanks to their well known quality level, they are the ideal choice for motor home enthusiasts seeking for maximum independence.



Solar sets

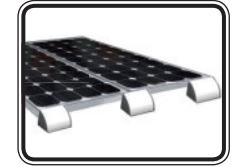


Easy Mount

The universal, pre-installed Easy Mount mounting system makes it easy to adjust the high-performance solar sets to individual requirements. The Easy Mount modules are fitted in the factory with 6 mm threaded sleeves for easy removal of the aluminium mounts. They can also be used to shift modules when several modules are installed side by side. The Easy Mount helps save time during installation and avoids mistakes when drilling, milling and gluing the mounts in place. As the modules can be easily taken out from the mount, an existing system can be upgraded with no effort at all. Cleaning the roof surface underneath the solar module is child's play, too.

Single module dimensions incl. mount:

L x W x H 132 .5 x 54 x 6.5 (cm) / 8 kg



Solar set – scope of delivery:



• Module / modules



• Pre-installed fastener – detachable



• High-precision solar controller or I-Boost



• Roof through-hole



• Special adhesive set



• UV-resistant cable set (outside/inside)

Prices:

(Dimensions including mounts. Dimensions and weight may vary.)

Solar sets 100 watts Easy Mount – detachable	Controller REG 150	459,- €
	Controller REG 220	489,- €
	Controller REG 330	519,- €
	Controller I-Boost 165	579,- €
	Controller I-Boost 250	609,- €
Solar sets 2 x 100 watts Easy Mount – detachable	Controller REG 220	879,- €
	Controller REG 330	909,- €
	Controller I-Boost 250	979,- €

Photo credits: Fotolia/Thaut Images

Solar accessories

Alden solar controllers are the connecting link between the battery and the solar module. During the day, the previously used energy is recovered without overcharging the battery. At night, the controllers make sure the battery won't discharge again. The controllers are available in different performance classes and with adjustable charging characteristics. The SPS 220, SPS 330 and I-Boost 165/250 models come with an additional connection for the starter battery, or for a solar remote control panel. The I-Boost 165/250 solar controllers are additionally fitted with the MPP technology to ensure maximum recovery of the energy generated by the solar modules. The surplus voltage of the solar module is transformed into a higher charging current for the battery. This reduces the battery charging time while making the best use of the solar system's energy output.



Solar controller SPS 150

- Solar controller 12 volts / 150 watts peak
- Charging mode switch
lead acid / gel / AGM



Solar controller SPS 220

- Solar controller
12 volts / 220 watts peak
- Charging mode switch
lead acid / gel / LifeP04
- Connection: remote control panel,
starter battery
- **Optional:** EBL cable set



Solar controller SPS 330

- Solar controller
12 volts / 330 watts peak
- Charging mode switch
lead acid / gel / AGM / LifeP04
- Connection: remote control panel,
starter battery, AES control
- **Optional:** EBL cable set



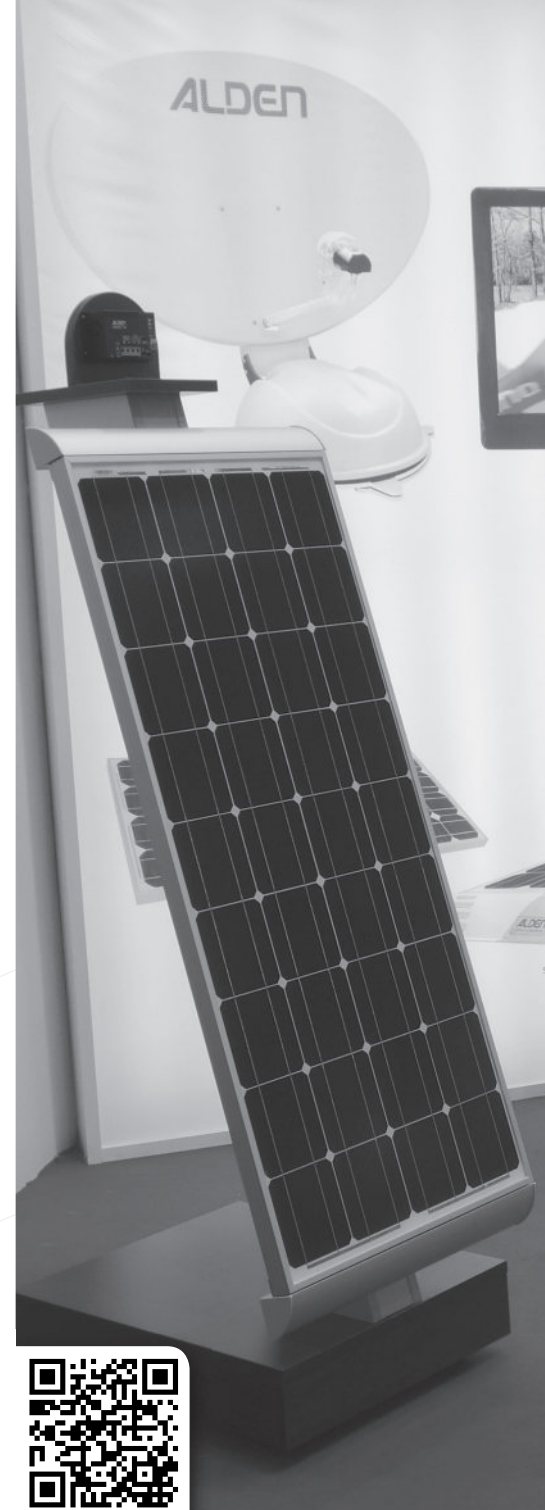
I-Boost 165 up to 30 % more charging capacity

- Solar controller
12 volts / 165 watts peak
- Charging mode switch
lead acid / gel / AGM / LifeP04
- Connection: remote control panel,
starter battery
- **Optional:** EBL cable set

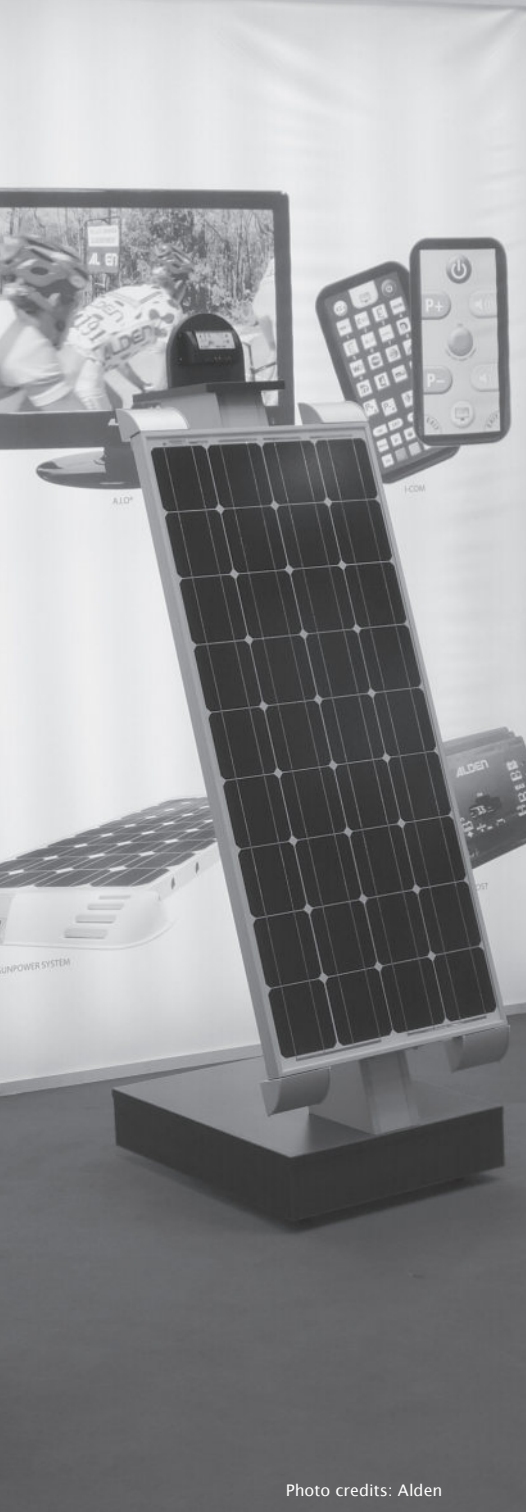


I-Boost 250 up to 30 % more charging capacity

- Solar controller 12 volts / 250
watts peak
- Charging mode switch
lead acid / gel / AGM / LifeP04
- Connection: remote control panel,
starter battery, AES control
- **Optional:** EBL cable set



Solar accessories



Solar remote control panel

The solar remote control panel provides details on the vehicle battery voltage (V) as well as on the charging current (A) flowing from the solar module through the controller into the battery. The 5-metre connection simply plugs into the controller or indicator.

Suitable for controller models SPS 220, SPS 330, I-Boost 165 and I-Boost 250



Optional:
fitting installation housing.

EBL – Schaudt connection cable set

Schaudt cable with connector for the living area and starter battery; suitable for controller types SPS 220, SPS 330, I-Boost 165 and I-Boost 250.



Dimensions/prices:

Solar controller 150 watts SPS 150	L x W x H approx. 14 x 6.5 x 3.4 (cm)	69,- €
Solar controller 220 watts SPS 220	L x W x H approx. 13 x 7.7 x 4 (cm)	89,- €
Solar controller 330 watts SPS 330	L x W x H approx. 13 x 7.7 x 4 (cm)	109,- €
I-Boost 165	L x W x H approx. 13 x 7.7 x 4 (cm)	139,- €
I-Boost 250	L x W x H approx. 13 x 7.7 x 4 (cm)	189,- €
Solar remote indicator	L x W x H approx. 8 x 8.5 x 2.5 (cm)	99,- €
Mounting frame		19.50,- €
Easy Mount aluminium solar mounts – 4 pieces	L x W x H approx. 6.4 x 11.5 x 6.4 (cm)	49.90,- €
Roof penetration	1 x PG 13.5	9.90,- €
Roof penetration	2 x PG 9	12.90,- €
Roof penetration	2 x PG 13,5	14.90,- €
Special adhesive		34.90,- €

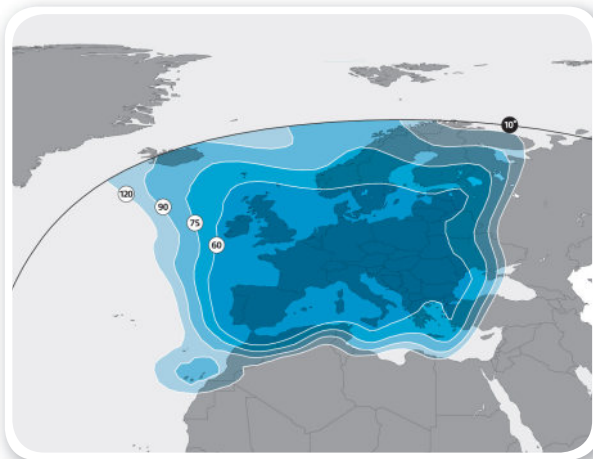
Footprint Maps

Footprint maps indicate the area in which television reception is possible. The size of the antenna plays a major part in the reception coverage; a 60-centimetre diameter is recommended for trouble-free coverage in almost all parts of Europe.

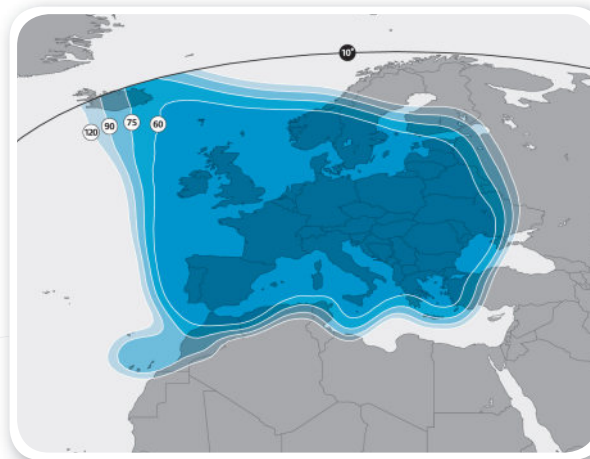
The signal at the margins of the footprint is susceptible to interference by fog, rain, storms or snowfall. Due to the resulting smaller mirror surface, less signals are bundled in the LNB.

The TV channels are distributed via satellites with different broadcasting capacities. This is why it is possible to receive certain channels even outside of the indicated area. The illustrated footprints show the approximate reception coverage. The reception range for individual channels varies (see picture below). Reception ranges and available programmes are the sole responsibility of the satellite operators, such as Astra.

Example ARD



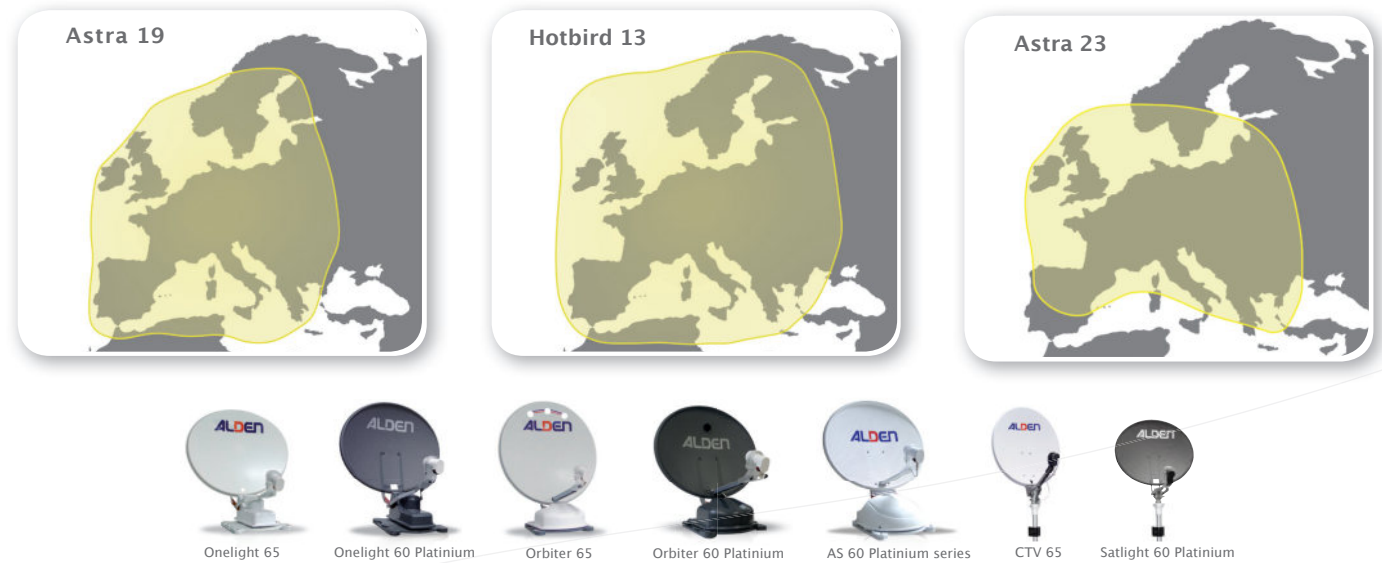
Example D-MAX



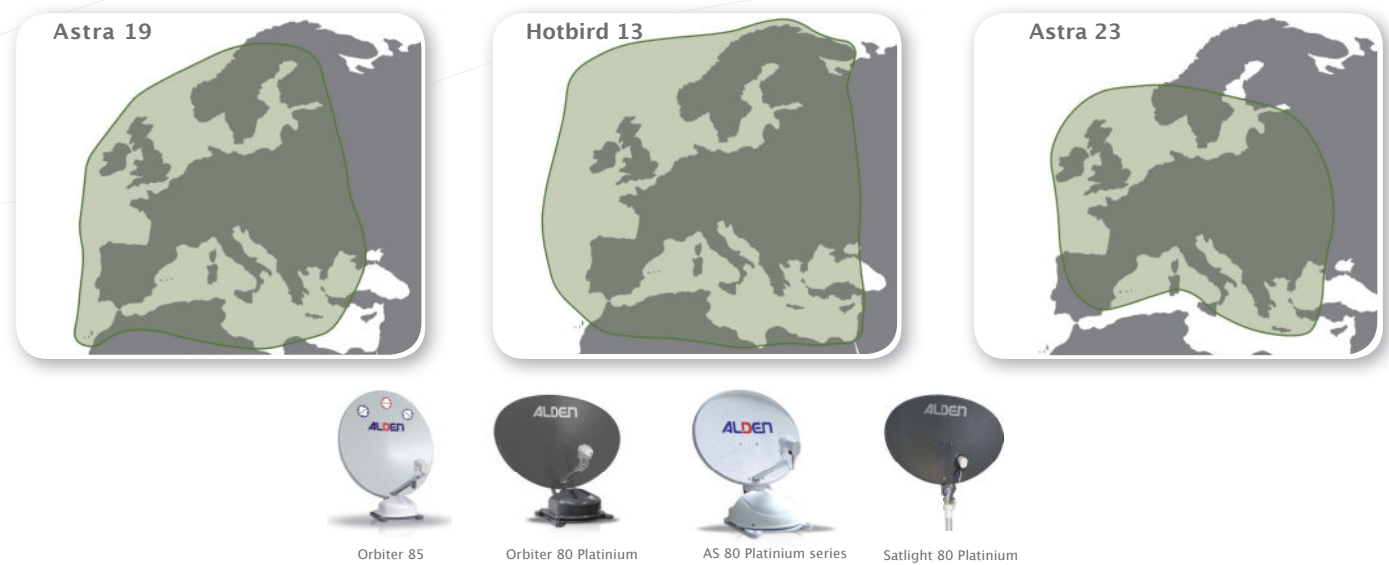
Source: Astra



Footprint* 60/65 cm



Footprint* 80/85 cm



* The illustrated footprint maps show the approximate reception area. Individual programme coverage can differ. This is the sole responsibility of the satellite operator.

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