



# Oyster<sup>®</sup> V



- Compact and light-weight
- Extraordinary range
- Ready for reception in an instant
- Online-updates

**ten** *Haaft*<sup>®</sup>

Innovative Mobile Technology



## Excellence is not enough!

ten Haaft stands for unrivalled quality. But we will not rest on our laurels. Each of our new developments is based on the experience and expertise we have gained over decades. We know what works, what is reliable and what it takes to make our customers 100% happy.

Available from  
March 2017

## A giant leap forward

The Oyster®  $\bar{v}$  features several ground-breaking innovations. We are taking mobile antenna technology to a new dimension. Tune in!

When folded in, the antenna has an extremely low profile of only approx. 17 cm (TWIN and SKEW variants, too)! These compact dimensions are owed to ingenious engineering: a curved feed arm allows the system to retract into a space-saving position. It folds in without touching the roof and nearly noiseless.

Weight of the top unit: approx. 11 kg

Antenna dish diameter: 85 cm

only 17 cm high





## No matter where you are

Europe, North Africa, Middle East ...  
 The Oyster® V's reception range is second to none. This is mostly attributed to the antenna dish's 85 cm diameter.

The reception ranges indicated represent the approximate core ranges. However, ten Haaft has no influence on the actual broadcasting range of the individual programmes.  
 These are the sole responsibility of the individual satellite operators. We can therefore not assume any liability for the future extent of the reception ranges shown.

- Astra 2 „SKY“
- Astra 2 „Freesat“



## Available variants

### Oyster® V Vision (without receiver)

The basic version for use with an existing receiver or TV set with integrated receiver. The system is controlled via a control panel.



### Oyster® V Premium

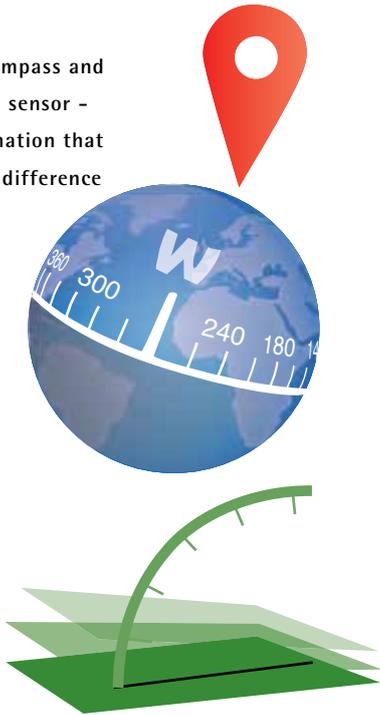
(including Oyster® TV set)

The complete system by ten Haaft. The entire system is controlled with the remote control for your TV set and satellite system.

Option for both: The TWIN version for two TV sets.



GPS, 3D compass and inclination sensor - the combination that makes the difference



## Don't search. Find!

The Oyster® V knows exactly where the satellites are positioned – at any time. Tedious full-range scans are no longer necessary. The system swiftly aims itself to the satellite.

This technological edge is the result of three interacting components: GPS, 3D compass and inclination sensor.

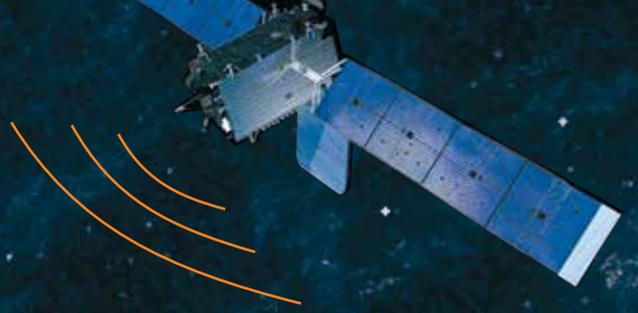
The GPS unit identifies the position, the 3D compass identifies the direction which your vehicle (and the antenna, accordingly) is oriented to, and the inclination sensor exactly determines the vehicle's inclination, causing the antenna to make an adjustment. Especially the effect of the vehicle inclination is often underestimated. Even a few degrees may already affect reception significantly. Much more than the vehicle's difference in elevation between a valley and a mountain top.

## Simple operation of your choice

The Oyster® V is controlled by its "brain", the so-called FeatureBox. It takes care of all calculations and system control. With the Vision variant, communication with the FeatureBox takes place via the control panel, with the Premium model you can use the remote control of the TV set. Or just use the special app to control the system via your smartphone. Apart from adjusting the basic settings, you can switch the antenna on and off, change to a different satellite or view the system settings from outside the vehicle.

The FeatureBox not only offers more options than any of the previous controllers, it also boasts a sleeker design.





Satellite and/or transponder settings are subject to frequent change

## Tackling constant change

Unexpected changes in the technical characteristics of satellite signals can be quite annoying, especially when you are traveling across Europe, and all of a sudden everything goes bust. Often, an update is the last resort. Even though our engineers can create an update in a jiffy, it must still be loaded into your system.

Your Oyster® V is updated online via your smartphone (or, alternatively, via a USB stick). This is more than just another gadget or gimmick.

The update is sent directly to your mobile device and can then be loaded onto to your system. For your Oyster® V, you can download a free app that not only allows you to update your satellite system but also offers many more valuable features. For example, we will notify you immediately whenever we detect a change in the satellite characteristics. You will learn the cause of the malfunction and will receive an update as soon as available.



Via the app, your smartphone is connected to the controller of the Oyster® V . Technical problems can usually be diagnosed with the Oyster® app. These data can then be sent to the customer service.

## One cable is enough



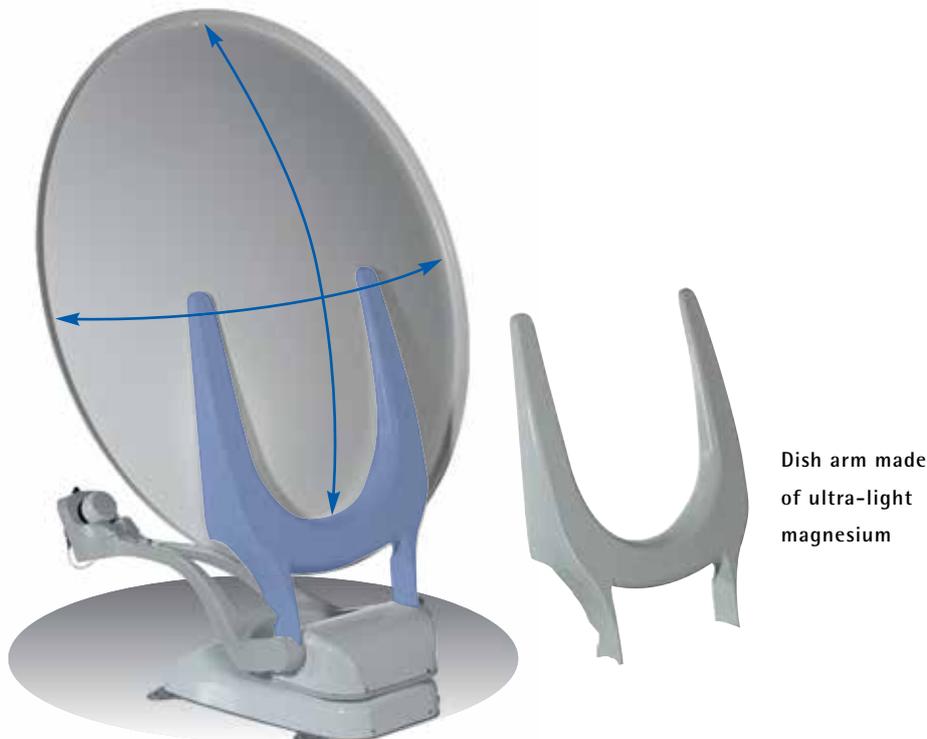
When we talk about a "single-cable solution", we actually mean it. There is no second cable for power supply. The only cable that is needed is a special coaxial cable that conducts all currents and signals required for control, power supply and signal transmission to the top unit.

As such, vehicle installation requires only minimal intervention.

A single pass-through is enough.

For the TWIN option, a second coaxial cable is used.

Reliable stability and light weight thanks to innovative materials and clever engineering.



Dish arm made of ultra-light magnesium

## Solid as a rock!

The Oyster® V's external unit weighs only about 11 kg. Despite the weight reduction, it is even more solid than its predecessors. Because stability makes the difference. Not only in terms of the proverbial "longevity of the Oyster®", but especially when it comes to flawless operation. Manufacturers trying to cut corners run the risk of producing an instable antenna system that is susceptible to wind. Image interferences are then inevitable.

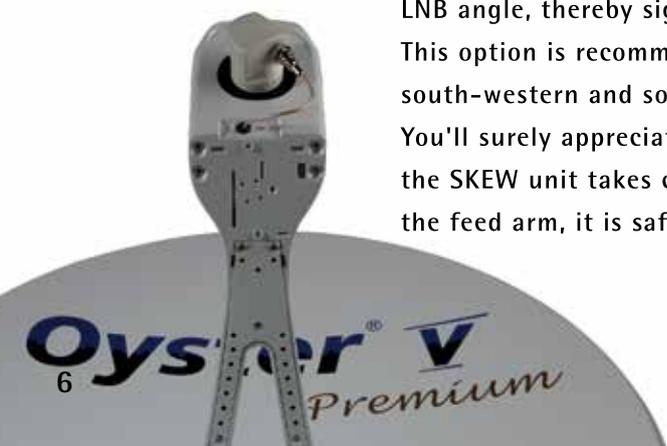
The stability of the Oyster® V is the result of cleverly applied engineering skills and state-of-the-art, high-quality materials like the ones used in motor sports. The single-piece dish arm is made of ultra-light-weight magnesium. And yet, it is extremely rugged and torsionally rigid.

The feed arm is made from glass-fibre-reinforced plastic, with carefully calculated internal webs providing ultimate torsional stiffness. In plain words: It won't flex – ever. In addition, this meticulously crafted component provides the space needed for wiring, inclination sensor, compass and GPS sensory system. If fitted with the SKEW option, then this part is also integrated in the feed arm for protection against the elements.

## SKEW: Automatic range extension

The SKEW unit comprises a tiny electric motor that automatically adjusts the LNB angle, thereby significantly increasing your Oyster® V's reception range. This option is recommended for all those who frequently travel through south-western and south-eastern Europe.

You'll surely appreciate it. While other RV users need to climb on the roof, the SKEW unit takes care of this job automatically. Snuggly integrated into the feed arm, it is safe from elements and damage.





## No need to re-ivent the wheel

In tens of thousands of Oyster® systems, the rotary head technology has proven its value. We have refined it for the Oyster® V, but the principle remains unchanged: Only the head rotates while the rest of the antenna body remains fixed.

This means: Less weight to move, resulting in reduced energy consumption, less mechanical stress and a smaller space requirement.

Also, the pivot point is elevated. So even when covered under a layer of snow, the Oyster® V can move freely.



## Oyster® = quality

The combination of simple and solid technology with the latest electronics makes the difference. ten Haft products contain no consumer-grade components susceptible to failure.

We rely on tried-and-tested heavy-duty material. The high standards of the automotive industry are our benchmark. For resistance against vibration, mechanical shock and extreme temperatures, they prescribe extremely strict requirements. We exceed these regularly.

We exceed these regularly.

This is why you can take our 3-year manufacturer's warranty for granted.





Discrete eye-catcher with a mystic, blueish gloom spreading on your Oyster® V. This luminous effect can be turned on and off at your discretion.

## Quality in facts and figures

Height: approx. 17 cm  
Weight of top unit: approx. 11 kg  
Weight of installation material approx. 2 kg  
Antenna dish diameter: 85 cm  
Certified according to DIN ISO 9013  
Model: Single or TWIN  
Optional: with or without SKEW

Made in Germany



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Innovative Mobile Technology

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