Oyster V Installer Quickstart

This Quickstart is designed to help the seasoned Oyster installer with the transition to the new Oyster V. It is not an installation guide so please refer to the guide for detailed instructions.

Introduction

The Oyster Vision 3 and its predecessor, the Oyster Digital are fully automatic satellite systems. Both work on the principle of "Last Elevation Memory" or LEM. The system remembers the last position where it found the satellite (in relation to the vehicle) and starts each new search from there. It scans the sky in a 370 degree pattern, changing the elevation angle with every turn. For this to work, the last time the system was used had to be somewhat close so that the settings, in particular elevation and skew angle, are still correct or at least close to correct. Failing this, the system had problems locating the satellite and a "search by location" became necessary.

The new Oyster V does not use the last position. It relies on the information provided by the built in GPS, 3D compass and inclinometer to calculate the position of the satellite.

Installation

1. Power supply
   The Oyster V uses the same power supply wiring loom as its predecessors and can run on 12-24 Volts. The wire colours are RED (12/24V positive), BROWN (12/24V negative) and BLACK (12/24V ignition plus). The Black wire still works as the emergency shutdown to prevent driving off with the system deployed. Using a wireless GPS as a safety trigger is not accepted in Europe. Additionally, the system uses the Black wire to power the GPS while in motion so it is highly recommended to connect the Black wire to an ignition plus, i.e. a source that only carries voltage while driving.

2. Wiring loom
   Unlike its predecessors, the Oyster V only uses 2 coax cables as a wiring loom. The thick coax cable (f-connectors on both ends) carries all the communication between Featurebox and roof unit as well as the satellite signal. **Therefore it is important to connect the thick coax to the sat-in of the Featurebox!** As the threads of the f-connectors are rather fine, take care not to cross-thread them as this will prevent communication between roof unit and Featurebox. Make sure to tighten the connectors for a good connection.
   The thin copper coax cable (bnc on the roof end, f-connector inside) carries only the 2nd satellite signal. If you are using a multiswitch or splitter it is essential to use the "sat out" signal of the Featurebox. DO NOT SPLIT THE THICK COAX OR USE IT IN A MULTISWITCH. In other words: split the signal AFTER the Featurebox, NOT BEFORE.

3. Mounting plate
   While slightly different in dimensions, the bolt pattern of the Oyster V's mounting plate is identical to the one of the Digitals and V3s, so in case of an update to the new system, the mounting plate can be reused.

4. Wall unit

   The wall unit is identical with the late model V3 wall units with USB interface.

5. Fitting the dish to the roof unit

   To fit the dish, just start the system and stop it, when it is in a convenient location. Bolt the dish on and retract the system. No adjustment is necessary as internal sensors will monitor the pressure with which the dish settles on the grommet. This ensures optimal rigidity while travelling.

   By the way, while identical in shape and size, the bolt pattern of the Oyster V dish is different to that of its predecessors.

6. App connectivity

   One of the many new features of the Oyster V is the connectivity to your smartphone. Visit Google Play or the Apple App store to download the latest copy of the "ten Haaft APP". You are then able to communicate with the Featurebox via its WiFi network. Some of the many features are wireless software update, vehicle information such as incoming voltage, signal strength and error logging. Please install the App on your phone and update the software of any system you install or come across in a service. The Oyster V uses one software version for all countries, therefore everybody will benefit from small software changes equally.

   The App's language is preset to German. To change it, press the "gear icon" in the bottom right corner. This will take you to "Einstellungen (Settings)". Click on "Allgemein (General)", then on "Sprache – deutsch" and change it to "english". Pressing the "< key" on the top left will confirm your selection and change the language to English.

   To connect your phone to the Featurebox, the QR scanner of the phone is used. The app will start your phone's QR scanner automatically when you go into the Settings/Network/WiFi QR Scanner menu. Every Featurebox has a QR sticker and comes with additional stickers which can be placed in a convenient spot. IMPORTANT! Do not mix up stickers from different Oyster systems as they are unique for every Featurebox!

   Please update the software of every system you install. Connect to the Featurebox. Click on the gear icon, then "Update". The update will start automatically or it will confirm that the software is up to date.

7. Small rotary switch on Featurebox

   The small rotary switch of the Featurebox should be factory preset to position 1. Please DO NOT change it to any other position.