



If you're not doing some things that are crazy,
then you're doing the wrong things. Larry Page, Google Founder

WINGRI
COMMANDER

The earth has a fever, and the fever is rising!

Al Gore Vice President USA/ Nobel Peace Prize winner/ environmental activist

In times of climate change and diminishing resources the question must no longer be: "How much is a gallon of fuel?" but we ought to ask ourselves

How valuable is a gallon of fossil fuels? For us, our **children and grandchildren**. And which **effect** does it have **on the environment** when it is burnt?

It is high time to change something!

And yet, we think that any propulsion technology for boats has its right to exist. For us, maximum benefit for you and the environment lies in an optimal combination of proved and tested propulsion technology and alternative propulsion methods based on renewable energies. You yourself choose the technology most suitable to the requirements of the respective situation and thus reduce polluting emissions considerably without giving up comfort and safety.

With a WingCommander RC Kite-propulsion system you support or replace your conventional boat propulsion and actively help to preserve both the environment and the seas as well as scarce resources for later generations.



What makes innovative thinking happen?
I think it's really a mindset. You have to decide. Elon Musk CEO TESLA

When it goes on behind the horizon.

You'll achieve more with the WingCommander than just saving fuel.

Unlimited Range

No other system worldwide will allow you to extend the range of a motor yacht so much.

No matter if you propel your boat by a kite alone or use it as an auxiliary engine: The kite will enable you to achieve completely new aims. As early as in 2006, French sailor Anne Quemere crossed the Atlantic Ocean on a solely kite-propelled boat.

A Plus in Safety

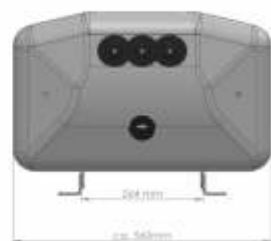
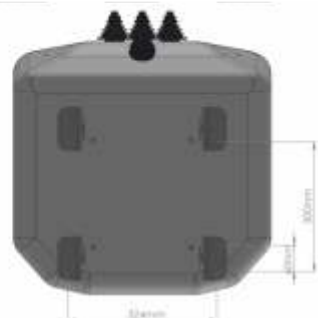
In case of engine failure you have the possibility to manoeuvre into safe waters in a controlled way by wind power and thus depend less on external help.

Since 2014 the Volvo Ocean Race Yachts have been carrying a kite as their emergency propulsion.

Simply enjoy silence

Compared with a combustion engine, the WingCommander works almost without a sound. During the journey, you simply enjoy the view without disturbing noise, vibrations or the smell of exhaust fumes.





Supply Voltage 24V

Input Power Ø 200W

Peak Current 150A

Line Length 25-150m

Line BRL 1200kgf

Line SWL 350kgf

Kite Size 5-20sqm

Control man/auto

Key Facts

Fully electronic Steering

Power-consuming steering will be done fully electronically. This will make handling easy and manageable for everybody.

Energy-saving propulsion technology

WingCommander's propulsion technology has been optimized for minimal energy consumption. Therefore, WingCommander takes up only 200W power input.

Line lengths of up to 150m

Our line concept, especially designed and optimized for yacht use, allows the kite to be started even at low winds and makes it work efficiently at greater heights of up to 150m with stronger winds.

Sailpower x 10

Performance is enormously increased by the operating height of up to 150m and the possibility of performing active flight figures. Thus, the kite can achieve a performance up to ten times higher than that of a conventional sail of similar size.

Simple and intuitive steering

The kite is manually steered by a joystick. Clearly arranged operating controls allow intuitive handling.

Automatic kite pilot

For longer distances, the autopilot will take over control that can also be executed manually. It will also fly pre-defined flight figures that can also be manually optimized by you.

Technically mature Kite Wings

To enable you to benefit from any further development of this technically challenging sports device, our kite systems use different models of high-performance kitesurfing-kites. These are easy to handle, easy to steer, mistake-forgiving and, above all, very safe.

System Components

1. Winch unit: kite-steering mechanism

2. Controller: Core of WingCommander RC. Here all sensor data are being processed, transformed into steering commands and broadcast to the radio module of the CPU-unit.

3. Touchscreen App: App for Android devices. It will make operating easier and will increase clarity.

4. CPU-Unit: Here all sensor data and steering signals are being bundled and processed.

5. Radio module: der CPU-Einheit

6. Motor Controller: From here the motors of the winch unit are being addressed.

7. Kite Sensor: Attached to the kite. Identifies the kite's exact position and flight attitude and broadcasts data to the controller.

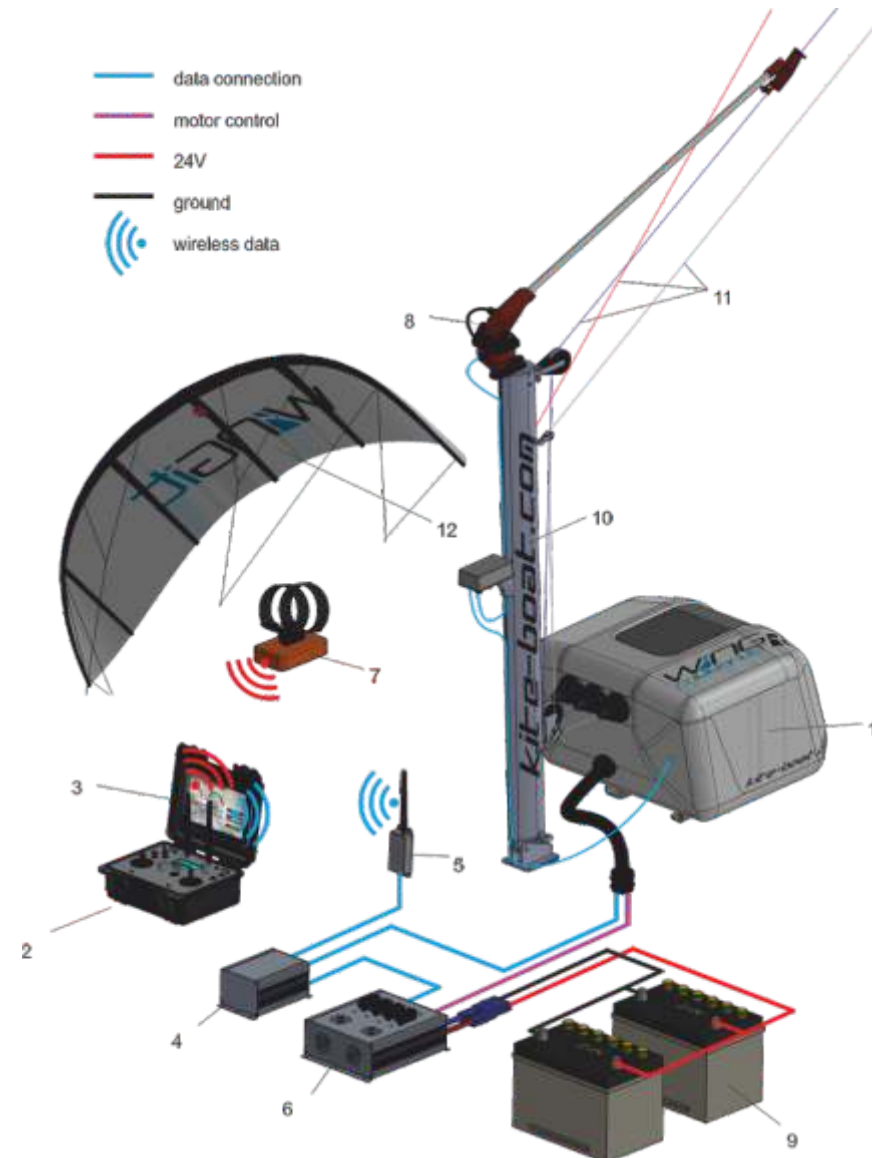
8. Line Sensor: Identifies the kite's position in relation to the boat's course.

9. Batteries: A 24-V- battery bank with min 100Ah provides energy for winch-unit operation.

10. Kite mast: Raises lines' suspension point above railing height.

11. Kite lines: Connects Kite and WingCommander and transfers the power.

12 Kite: Generates power.



Pricing



	Price in EURO excl. VAT	Price in EURO incl. 19%VAT
WingCommander RC Starter Kit		
Kitecontroller+Remote Control+Motorcontroller.		
Line set: 150m, main line 900daN BRL steering lines 300daN BRL.		
Mast: size 130mm, lenght 1,2m, incl. rigging lines (without deck eyes).		
Tube Kite: Size 9sqm, prepared for autopilot, incl. bag und repair kit.		
	13.100	15.589
High Load Upgrade		
High Load Line Braking System		
High Power Motors		
High Load Mast: Size 180mm, lenght 1,2m incl. high power rigging and components		
Line Set Upgrade: 1190daN BRL main lines		
	2.350	2.797
Autopilot Upgrade		
Upgrade Remote Control: Assisted Kite Control for figure eight and hold Zenith		
Kite Sensor: Sensor unit incl. high performance radio transceiver		
Line sensor Basic: Light weight line sensor unit.		
	2.300	2.737
Sensor Upgrade		
Line Sensor PRO: Higher accuracy, better handling, CNC-milled aluminum.		
	1.800	2142
Installation		
Base Platform: Mounting platform for mast and WingCommander anodized aluminum		
	800	952
Mounting Back Plates: for mast and Kitecontroller		
	100	119
Kite		
11sqm	1.427	1698
13.5sqm	1.570	1868
15sqm	1.680	1999
17sqm	1.765	2100
19sqm	1.850	2202
Accessories		
Kitepump 2.0 XL: manually 2L	49	58
Kitepump: electric incl. LiPo battery	175	208

All prices ex works and under reserve. Our products are custom-build and differs between different type of boat. The pricing is just a benchmark. Please contact us for a special price for your boat.



Developed on the chase for wind

For more than 10 years, Stephan Schröder and his team have been developing the worldwide most often sold Kite Control Systems for boat propulsion.

What once started with small beach catamarans and a sportive challenge has grown into one of the most innovative and sustainable products in the maritime field.

WingCommander RC is a milestone in the development of alternative propulsion technologies for motor yachts, propelled by either conventional motor or electric engines, and offers their owners completely new prospects for the use of their boats.



You could either watch something great happen
or be a part of it.

