



UltraSystem Series II
The original and the best...

Next Generation Electronic Antifouling Technology

Why you should choose the **UltraSystem Series II**

Advanced digital software and
transducer technology

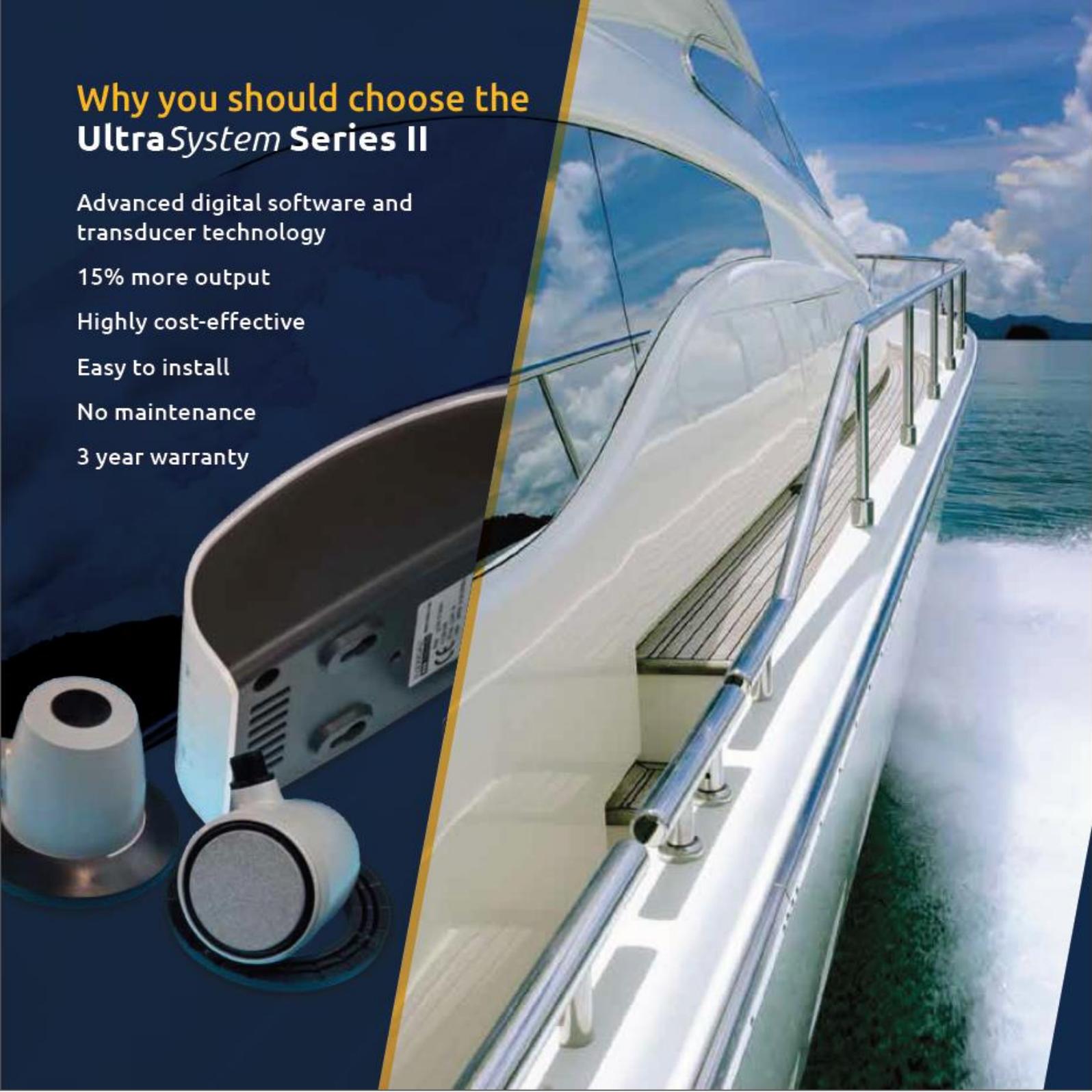
15% more output

Highly cost-effective

Easy to install

No maintenance

3 year warranty





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Why Ultrasonic Antifouling?

Ultrasonic Antifouling Ltd, the world-leading manufacturer and developer of ultrasonic antifouling systems since 2007 introduces the advanced **UltraSystem Series II**. The use of ultrasound is an innovative and advanced method for protecting your hull from fouling using low power, high frequency sound waves to destroy algae and prevent weed and barnacle growth.

The Ultra System is unique, with advanced reprogrammable digital software controlling multiple frequencies which have been carefully designed to discourage or destroy the majority of fouling organisms at a unicellular level.

Extensively researched and developed, the Ultra System is used with great success in a wide variety of conditions and vessel types around the world. It is the only system that has a bespoke solar charging system which will also help to maintain the condition of the boat's batteries.

The Ultra System operates on a 12/24v DC supply. Options include Dual Voltage (AC/DC) and Solar Systems. This effective fouling protection method has a low power consumption! The Ultra 10 single transducer system peaks at 0.7amps* (8.4 watts) and the Ultra 20 two transducer system at 1.1amps* (13.2 watts). A low voltage cut off function at 11 volts protects the battery from complete discharge.

**amp hour figures at 12v DC.*

Ultra Series II has been design engineered for easy installation and a high level of protection from fouling.

Spend more time on the water and less time rubbing down and painting – good for the environment, good for you, bad for the algae!

The Ultra System is the only ultrasonic system to have been independently tested and proven to be highly successful over several years.

How it works

The Ultra System works by emitting specific and scientifically researched, low powered, pulsed ultrasonic frequencies from a digital control unit, via transducers that are in direct contact with the inside of the hull. The hull acts as a sound board carrying the sound waves and creating a microscopic environment of moving water molecules over the entire underwater profile of the hull.

As a result, growth is prevented as the cell structures of the algae and other micro-organisms are targeted and cannot survive.



What it means...

Better hull performance

Maintain hull speed through the water during the season and enjoy the performance with faster passage times and greater manoeuvrability.



Saves fuel

A fouled hull puts the engines under much more load and can use up to 20% more fuel to push it through the water... a significant factor for motor boats!



Environmentally friendly

You'll be doing your bit for the environment as there are no pollutants associated with this method of preventative antifouling. It is also completely harmless to humans, animals, fish and marine mammals.



Cost effective

An ultrasonic antifouling system will soon pay for itself when you take into account fuel savings, reduced liftouts, hull maintenance and repainting costs.



Reduce lift outs, mid season scrubs and hull repainting

With the Ultra System installed on your boat helping to maintain the hull speed and performance, the need to lift out and scrub the hull where it has become fouled when using only an antifouling paint, is dramatically reduced. Lifting out and having a hull scrub mid-season unnecessarily removes much of your good antifouling paint, so the hull is less protected for the future.



Extend the time before re-painting your hull using the Ultra System!

Ultra systems for all types of boat

Sail boats, Powerboats & Catamarans

Sample system configurations

Sail boat up to 10m waterline (LWL)

Ultra 10 – single transducer system



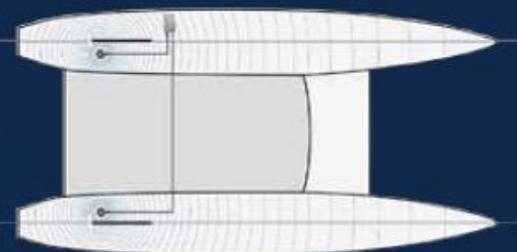
Powerboat 10m to 16m waterline (LWL)

Ultra 20 – two transducer system



Catamaran up to 10m waterline (LWL)

Ultra 20 – two transducer system



Suitable for every type of (non wood constructed) boat.

These are just sample configurations, visit website for a system to fit your boat.

Ultrasonic protection also helps to prevent growth on shafts, propellers, saildrives, sterndrives and trim tabs with careful positioning of transducers.

Superyacht and custom systems

The Ultra System can be put to equally effective use on superyachts too and the technology has been successfully applied for sea chest protection against fouling with effective results.

Ultrasonic Antifouling Ltd provide a custom design service for superyachts, commercial and military vessels requiring multiple transducers.



Visit our website for product selector, full technical spec', technical assistance, FAQs and online shop.



www.ultrasonic-antifouling.com

"This is a fantastic result, nearly 4 years in the water, I was amazed!"

'Arabella' Carter 30
Cobb's Quay Marina, Poole, UK.

"The Ultra 20 Dual systems have definitely been worth their weight on board the yacht 'Nilaya' over the last two years and the difference it makes to the growth on the bottom of the boat has been unbelievable!"

'Nilaya' Baltic 112 Superyacht
Caribbean.

"At the end of a six month season at lift-out from my marina berth, the hull, fin and rudder have been completely free from marine growth just some light slime."

Elan 333 'Melody'
South Coast, England.

"Thoroughly recommended if fuel efficiency and performance is an issue. We would fit it again without hesitation."

'Redbay' Stormforce 9.5m Rib
Solent, England.

"We have just recently lifted 'Cipriana' and I am very impressed with the result compared to what I had on my yachts in previous years."

'Cipriana' Ferretti 830
Cyprus.

Our ultrasonic antifouling system is now in successful operation in over 60 countries. Visit our website at www.ultrasonic-antifouling.com to read more about what our customers are saying.



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UltraSystem ...PowerPlus



The most advanced and powerful ultrasonic antifouling technology on the market

FOR SAILING YACHTS, MOTORYACHTS AND SUPERYACHTS

Why choose the UltraSystem PowerPlus?

The very latest in the Ultrasonic product range is the **UltraSystem PowerPlus** which has been specifically designed with larger yachts and superyachts in mind. Yachts moored in warm climates where fouling is more prolific can achieve significantly higher levels of anti-fouling protection all year round.

The **UltraSystem PowerPlus** is the result of 3 years of research, development and comprehensive testing. This revolutionary new product combines our intelligent and unique ultrasonic software with our advanced digital control program (ADCP) which has the ability to deliver the precise level of ultrasound output to 3 or 4 transducers simultaneously while monitoring temperature, voltage and output loads.

The **UltraSystem PowerPlus** takes Ultrasonic Antifouling to a whole new level eradicating waterborne unicellular micro-organisms that otherwise would attach to create bio-film (slime) and algae growth. The ultrasound generator and control program of the **UltraSystem PowerPlus** has been extensively developed to provide a higher concentration of ultrasound levels to prevent bio-fouling on the hull and sea chest systems.

- The **UltraSystem PowerPlus** delivers more than twice the ultrasound output compared to Series II. Making it the most powerful system available on the market.
- PowerPlus simultaneously delivers output to 3 or 4 transducers.
- PowerPlus uses a wide range of key frequencies between 20 – 140Khz. This is unique to the **UltraSystem**.
- PowerPlus uses high quality 50w multi-frequency mounted piezoelectric crystal transducers.
- The **UltraSystem's** unique program has been developed in a collaboration with engineers and marine biologists at some of Europe's leading universities.
- PowerPlus is manufactured in Europe using high quality components.
- The **UltraSystem PowerPlus** is available as a Full custom designed system for hull and sea chest fouling protection.



Specifications

Control unit

Input voltage: 24vdc (12v option available).

Frequency range: 20 – 140Khz

Dimensions: 250mm (w) x 160mm (h) x 92mm (d).

Power consumption:

3 transducers – 2.5amps/hr (60W); 4 transducers - 3.4amps/hr (80W).

Warranty: 2 years.

Transducer

50 Watt multi-frequency, IP68 waterproof.

Options: a) Standard face (mounting ring attachment);
b) Tapped face (bolt attachment).

Warranty: 5 years.

Cable length: 8m (standard).
Options: 10m; 15m and 20m.
Total permissible combined transducer cable length in system is 75m.

Ultrasonic Antifouling Ltd.

Ultrasonic Antifouling Ltd., the world-leading manufacturer and developer of the original ultrasonic antifouling system introduces the revolutionary new **UltraSystem PowerPlus**. Since we first introduced Ultrasonic Antifouling Technology to the boating market in 2007, it has developed into THE most effective way to maintain hull performance, save fuel and increase the time your yacht spends in the water. More recently, its application in sea chest systems on Superyachts is proving beneficial at maintaining a clear water flow to critical on-board systems.

The use of ultrasound is an innovative and advanced method for protecting your hull and sea chest system from fouling using low power, high frequency sound waves to destroy algae and prevent weed and barnacle growth.

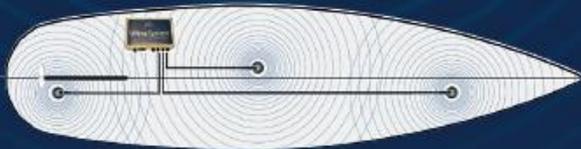
It works by emitting a unique range of specific and scientifically researched, low powered, pulsed ultrasonic frequencies via transducers that are installed on the inside of the hull or onto the sea chest pipes, filters and manifolds.

Sample system configuration

Motoryacht 16 - 22m waterline (LWL)
PowerPlus – four transducer system



Sailing yacht 16 - 22m waterline (LWL)
PowerPlus – triple transducer system



PowerPlus delivers twice the ultrasound output when compared to the **UltraSystem Series II**.



Sea Chest Protection

The **UltraSystem** was developed to provide the same high level of protection against the fouling issues experienced with blocked intakes, strainers and pipes for sea chests.

Using bespoke engineered transducer mounting brackets for each application, maximum sound wave transmission is achieved into the parts to be protected. The **UltraSystem** keeps these critical parts much clearer for longer, reduces maintenance and keeps critical on-board systems running efficiently.



Single transducer fitted with bracket on a sea chest pipe.



The **UltraSystem** PowerPlus utilises proven, world leading technology to provide the best protection for your vessel.

Ultrasonic Antifouling are a team of highly knowledgeable experts and market leaders in this field so to find out how we can provide the best configuration to fully protect your vessel just call the number below.

"The Ultra systems have definitely been worth their weight on board the yacht 'Nilaya' over the last two years and the difference it makes to the growth on the bottom of the boat has been unbelievable!"

S/Y Nilaya - Baltic 112ft yacht

Our ultrasonic antifouling system is now in successful operation in over 60 countries. Visit our website at www.ultrasonic-antifouling.com for more information and to read what our customers are saying.


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