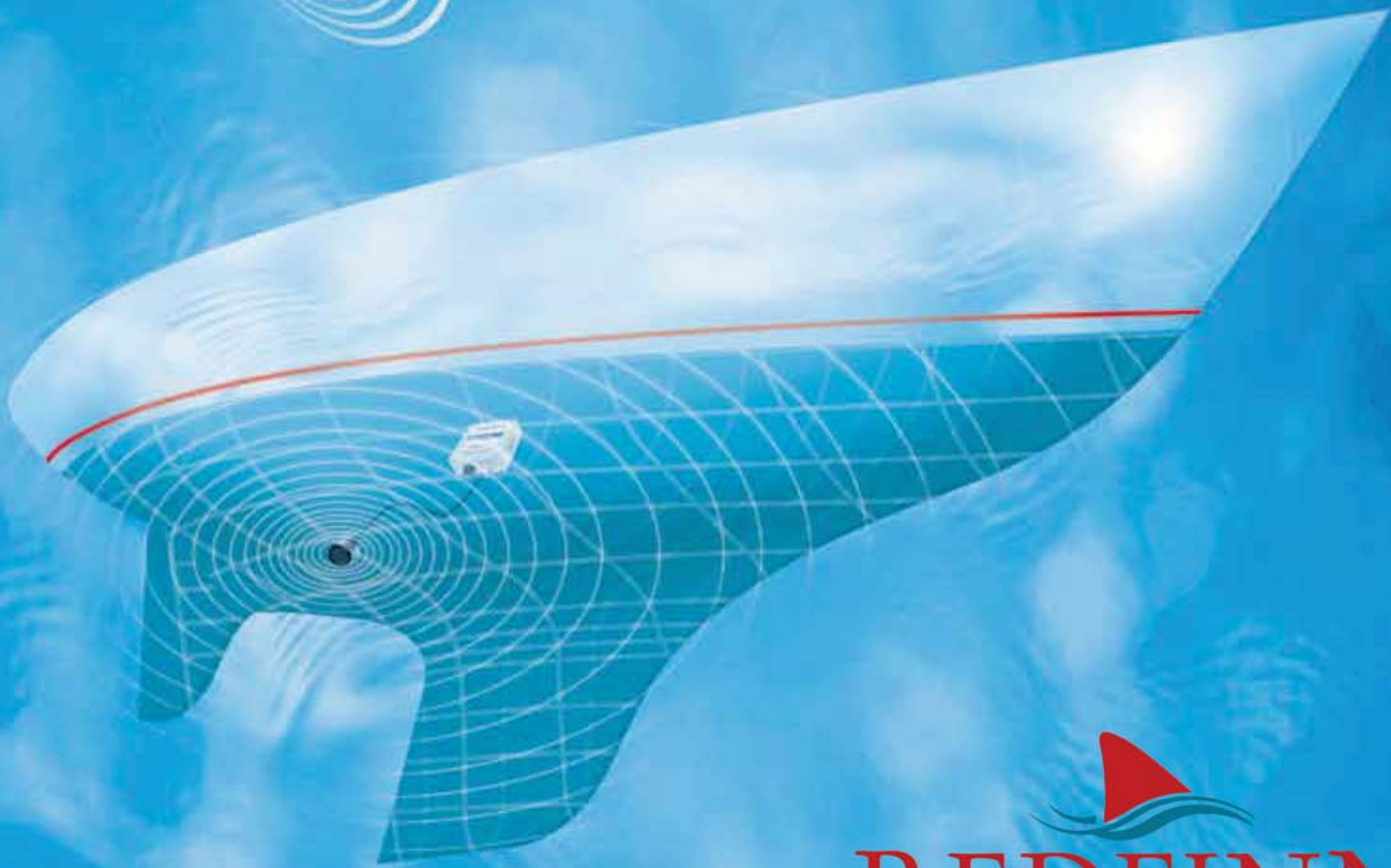


Ultrasonic
ANTIFOULING




REDFINN
WORLD CLASS SPORTFISHERS

Consider this.

ALGAE CAUSES FOULING ON THE HULL. THE ULTRA
SYSTEM DESTROYS ALGAE AND REMOVES THE CAUSE.
IT'S THAT SIMPLE!





THE FUTURE OF ANTIFOULING

An explanation

Seaweed is the generic name for underwater algae.

It is the main cause of fouling on your hull and the reason that year after year, you spend large amounts of money on antifouling paints, which in fact, are becoming more and more ineffective as a result of legislation banning the use of pollutants that are harmful to the environment. If the algae (seaweed) was prevented from attaching itself to your hull in the first place, you would have no need to paint the various products on it!

The solution is simple!

The Ultrasonic Antifouling unit destroys algae and prevents barnacle growth, so they don't attach themselves to your hull.

How Ultrasonic Antifouling works

The control box sends a variety of pulsed ultrasonic signals to the transducer, which in turn emits a series of low power, low frequency sound waves which are virtually inaudible to the human ear. They create a wall of moving water molecules over the whole of the submerged hull. The micro – environment which exists as a result, destroys algae and barnacles so they don't attach themselves to your hull. 'The science' is in the differing frequencies and the harmonics set up within.

It's as simple as that and it works!

What do I need to power the Ultra?

Ultrasonic Antifouling requires a very small amount of power to drive it. Generally less than 1 amp throughout the range. If you are on a marina berth with shorepower, this is of no consequence whatever. If however, you don't have this facility, we are able to supply a standalone solar powered unit at a very reasonable cost, and this will also supplement your other electrical requirements.



Technical Specifications

Mains unit - Voltage 220 - 240v

Power consumption 20 - 40 watts depending on model

DC 12v - Power consumption 0.9 - 1.1 amps

DC 24v - Power consumption 0.8 - 0.9 amps

Weight - 1-1.5 kg approx depending on model





The Benefits

- **Clean hull more speed** Your hull will remain clean and therefore allow you to maintain your maximum speed. It will also keep clear all those underwater areas that are critical to the performance of your boat.. ie speed log impellers, water intakes for engine and aircon units, props and running gear.
- **Save fuel** The fuel savings will be substantial, particularly for motor boats. Pushing a heavily fouled hull through the water takes considerably more power than a clean one which has much less resistance. It can take up to 20% more fuel to push a dirty hull through the water.
- **Once only installation** You will only fit this once... and you won't get covered in paint when you do it! So you can look forward to more time on the water and less time in refit and annual maintenance. It will pay for itself in a very short time if you consider the cost of the lift in and out of the water, the cost of the antifoul and the cost of the person to apply the same. Even if it is you that does it, your time could be spent more pleasurably.
- **Environmentally friendly** You'll be doing your bit as there are no pollutants associated with this method of preventative antifouling. It is also completely harmless to humans and animals.

It makes an awful lot of sense!



Installation is simple

There are no holes to be drilled in the hull, Ultra 10 or Ultra 20 is bonded to the inside of the hull, using a pre threaded fixing ring, the transducer is simply screwed into the ring and the cable run to the control box, which is attached by 4 screws to any bulkhead... connect to power source (mains or DC) ... and Enjoy the benefits!

How do I choose which Ultra I need?

There are two sizes available, the Ultra 10 which is suitable for boats with a waterline length of up to 10 metres. This is supplied with one transducer and is suitable for both sail and power boats.

The Ultra 20 is suitable for boats with a waterline length of up to 20 metres and comes with two transducers, which should be sited equidistantly along the centreline of the hull within reason. This unit is also highly suitable for catamarans.

The main consideration is the waterline length when choosing the correct model for your boat. The siting of the transducers is very straightforward as they are fixed to a convenient place on the inside of the boat's hull.

All units are available in either 12 volt, 24 volt, or 220 - 240 volts.


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The Ultra 10

The Ultra 10 DC unit operates on a 12 - 24 volts supply. It has one single transducer and is suitable for boats with a waterline length of up to 10 metres. The Ultra 10 AC unit is powered from the Mains supply and this can be used within the range of 110 - 240v . It has one single transducer and is suitable for boats with a waterline length of up to 10 metres.

ULTRA 10 £ 895.00 (Ex-VAT)



The Ultra 10 dual

The dual voltage systems come supplied with two power cables, both of which should be connected in order for the unit to automatically switch between AC and DC, according to the available source.

The Ultra 10 dual comes with one single transducer and is suitable for boats with a waterline length of up to 10 metres.

ULTRA 10 DUAL £ 995.00 (Ex-VAT)



THE ULTRA 20

The Ultra 20 DC unit operates on a 12 - 24 volts supply. It has two transducers and is suitable for boats with a waterline length of up to 20 metres.

The Ultra 20 AC unit is powered from the Mains supply and this can be used within the range of 110 - 240v. It has two transducers and is suitable for boats with a waterline length of up to 20 metres.

ULTRA 20 £ 1,645.00 (Ex-VAT)



THE ULTRA 20 DUAL

The Dual Voltage systems come supplied with two power cables, both of which should be connected in order for the unit to automatically switch between AC and DC, according to the available source.

The Ultra 20 dual has two transducers and is suitable for boats with a waterline length of up to 20 metres.

ULTRA 20 DUAL £ 1,745.00 (Ex-VAT)

TECHNICAL SPECIFICATIONS

Mains unit - Voltage 110 - 240v

Power consumption 20 watts max depending on model

Ultra 10 DC unit - 12 - 24v Power consumption 0.8 - 0.9 amp/hours

Ultra 20 DC unit - 12 - 24v Power consumption 1.7 amp/hours

The Dual Voltage system will consume the same power according to its status

Weight - 1.5 - 2.5 kg approx depending on the model

REDFINN BOATS ARE APPROVED SUPPLIERS
FOR THE ULTRASONIC ANTIFOULING SYSTEMS

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