WORLD LEADERS IN WIRELESS INSTRUMENTS

wired to wireless
better performance : greater freedom

Racing  Cruising  Power  Dinghies
“Tacktick has the same drive for innovation, reliability and flexibility that we have been promoting over the years. No power consumption to speak of, no wires, remote control and total flexibility.

We didn’t want to start permanent fixing until we had sailed our Seacart 30. With Tacktick it was just a case of taping the units where we felt they should be and sailing her. As it transpired we didn’t quite get the location right-no worries, no wires or holes. Just move them.”

Pete Goss MBE
Round-the-world competitive yachtsman

The wireless revolution has started

Tacktick wireless displays take marine instruments to a new level of usability and precision.

Across the globe, sailors and boat owners are experiencing the benefits of Tacktick’s ground-breaking wireless and solar technology.

Conventional wired system

Tacktick Micronet System

If you designed the perfect marine instrument, would it have wires?

Besides giving you reliability and performance, Tacktick displays are unique. They are wireless and use ‘micro-power’ solar technology, which means...

Reliability
80% of electronic faults are caused by wiring failures, proving that wire and water don’t mix. Remove the wires and you instantly reduce the potential for leakage and breaks in data and power supply.

Easy installation
A typical installation can be done in just a few hours, with your rig in place and your boat still in the water. There’s no need for holes in the bulkhead or wires down the mast.

Self-powering
Tacktick displays are solar powered with integrated lithium batteries that power the unit for life. Power consumption is so efficient that units can run autonomously for up to 300 hours.

Lightweight
You save weight, making you quicker through the water. The elimination of wires in the mast not only reduces spar weight but also lowers the boat’s centre of gravity giving significant and immediate performance advantage.

Portability
You position your displays where YOU want them. Using clip in cradles, your displays can be positioned anywhere on your boat so you can view the information where and when you need it.

Waterproof
All our products are sealed for life and are totally waterproof (submersible to 10m). This also means no condensation.
“Tacktick have set the standard that all other instrument companies will have to match over the next few years.”

Boating Business
Winning is everything.

You want the best chance of crossing the line first, which means having data that is accurate, accessible and visible, and displays that are totally reliable.

Tacktick instruments excel on all fronts. They display all the data you’ll ever need, and crucially for racing, have user-configurable pages.

Without any wires running through your hull and up your mast, there is no lighter system available and no wiring to become faulty.

Use the Remote Display anywhere

Tacktick for racing

Micronet Displays

Micronet displays receive and display data wirelessly from hull and wind transmitters, including polar data, true wind speed and angle, VMG and compass heading.

Data is compatible with tactical racing software on your PC via the Wireless Interface and has performance pages for you to upload to.

Dynamic damping control compensates for sea state giving you the fastest possible response rate including compensating wind data from the effects of mast rotation (see page 6).

Micronet Digital Display

Large 38mm (1.5 inches) readout shows any single data type available on the system. Simple to configure, easy to read.

Micronet Dual Digital Display

Shows two lines of data simultaneously, and can be configured at any time to display information provided by your transmitters. Large 20mm (0.8 inch) digital readout.

Micronet Remote Display

Not just a remote control. Rather an essential item of equipment for those serious about winning. The Remote Display provides you with all the data you need to improve performance including wind trends, speed trends, VMG to wind and waypoint, SOG and COG and performance graphing, all available at your finger tips. It also incorporates performance pages for uploads from your tactical software.
Micronet Vertical Wind Transmitter

A unique wind wand that provides highly accurate readings for TWS and TWA by reducing errors from disturbed wind flow by elevating the wind sensor 1.35m, (approx 4 feet) into cleaner air.

It is completely wireless and solar powered so no wires down the mast and completely self powering.

“On the ‘Volvo Extreme 40’, with everything moving so fast and spray everywhere, we need to have instruments that are clear to read! Often sailing with guests on board, we need the instruments as proof of how fast we are going. Tacktick have never let us down!”

James Grant, Skipper Team Basilica

See page 17 for full specification
Mast Rotation Transmitter
This unique Mast Rotation Transmitter compensates for movement of a rotating mast, ensuring you always get the most accurate wind readings. This wireless device compares compass information from the boat with its own information and corrects the wind angle coming from a standard or vertical Tacktick Wind Transmitter at the mast head. Easily installed on the mast, it can be simply calibrated from any display.

“We have spent a long time making sure we have the right partners. Tacktick is one of them.”

Pete Goss MBE, round-the-world competitive yachtsman

Tacktick for multi-hulls

Advanced Hull Transmitting Technology
With a Tacktick system, you no longer have to rely on a mercury switch to ensure your displays talk to the hull transducer in the water. Instead, Tacktick’s advanced technology allows your displays to use wind direction to automatically determine which hull transducer supplies the information you need.
“The Tacktick Race Master is an essential tool for racing. It has all the data you need, a clear display and is lightweight - I wouldn’t be without it”

Mark Covell, Olympic Silver Medalist, Sydney 2000

Master Series
Designed specifically for sports and keel boats to provide critical tactical race information that will give you the edge.

Race Master
The ultimate tactical race compass and windshift indicator. Its two-tier display shows your heading, how far you’re above or below the mean course, and how much you’re being headed or lifted. It will enable you to establish quickly and easily which is the favoured end of the start line, and will help you sail the shortest distance to the windward mark. Downwind, you can see how far off dead downwind you are, and when you should gybe for optimal VMG.

Micronet Race Master
The Micronet Race Master offers you all of the benefits of the Race Master but can also be integrated with Micronet transmitters to provide additional tactical racing information such as boat speed, depth, wind direction and GPS data. The Micronet Remote Display can be added to the system to provide information at your fingertips or to change the data on the main display.
Relaxed, out at sea.....nowhere you’d rather be.

However your peace of mind is dependant on having accurate and visible data. Tacktick products provide all this in a system designed to be completely flexible.

Simple to install (an hour should be enough to install a Wind Transmitter, Hull Transmitter and all your Displays) with no holes to drill in your bulkhead or wires to thread down your mast. And as wiring causes 80% of failures in wired instruments, Tacktick’s wireless also means total reliability.

Micronet Displays

Micronet Displays receive and display data such as speed, depth, wind, SOG and XTE, wirelessly from any Micronet transmitter.

Being wireless, Tacktick displays can be positioned wherever you need them on the boat, and they can be removed and safely locked away when not in use.

Micronet Digital Display

Large 38mm (1.5 inches) readout shows any single data type available on the system. Simple to configure, easy to read.

Micronet Dual Digital Display

Shows two lines of data simultaneously, and can be configured at any time to display information provided by your transmitters. Large 20mm (0.8 inch) digital readout.

Analogue Display - main cabin

Digital Display - anchor locker

Multi Displays – helm position

Tacktick for cruising
“In the past damaged mast wires stopped us from fitting wind instruments on the majority of our fleet. To retrofit was a massive task with 600 masts to wire. Tacktick instruments have no wires, solving maintenance and installation issues at the same time. Using Tacktick was an easy choice.”

Sunsail

Micronet Wind Transmitter
This robust, accurate, and highly responsive wireless wind transmitter sends data from the top of your mast wirelessly to any display. It is completely wireless and solar powered so no wires down the mast and completely self-powering.

Micronet Analogue Display
A unique multiple-use instrument for displaying wind and course, combining exceptionally clear analogue and digital formats. Display shows large 14mm (0.56 inch) digits.
The Remote Display is perfect for accessing data on the move.

That means you can keep an eye on things while you are out of the cockpit or below deck. Its dot matrix screen displays all the data on your Tacktick system. The Remote Display can be interfaced with other makes of marine instruments to display their information and it also acts as a remote control for the Micronet Maxi Displays and Micronet Race Master.

Micronet Remote Display

The Remote Display’s dot matrix screen displays all the data in the system and can even display graphs to monitor trends.

- Solar powered (300 hours autonomy)
- No need to change batteries
- Palm-sized
- Easy to hold
- Totally multifunction
- Graphic multi-line display
- Light weight, only 130g (0.28lb)

The Remote Display’s dot matrix screen displays digits and graphing, essential for racing to ensure the right shift and shortest course.

You can also monitor the boat in relation to course and waypoint using the rolling road feature, displayed right at your finger tips rather than below decks.

Compatible with other manufacturers via NMEA
"The Tacktick Remote is so much more than just a handheld display. I use it to change the information displayed on my instruments on the bulkhead without leaving the helm."

Nick Davidson, Alpha Yachting
**Tacktick displays are also ideal for power boats.**

Because Tacktick instruments are wireless and solar powered, you don’t have to worry about vulnerable connections being affected by pounding and vibration at high speed. You can also place your displays anywhere you like – on the fly bridge, in the cockpit, even in the saloon – just where you want them. Tacktick instruments are also fully waterproof (submersible to 10 metres), and therefore resistant to solid water coming over the bow. Installation is easy and can be done in minutes with no need to route cables or drill holes for the displays.

When leaving your boat you can stow your Tacktick displays below or take them with you. And if you do choose to leave them on deck, they resist UV degradation from the sun.
“For years I struggled to dock my Nimbus 38 into a tight marina berth. When I discovered Tacktick’s Power Boat Wind, it became so much easier as I now know exactly where the wind is coming from – and it only took 30 minutes to install.”

Basil Rizzi - owner of a Nimbus 38

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Micronet Analogue Steerlock Display
A unique multiple-use instrument for displaying wind and course, combining exceptionally clear analogue and digital formats. Display shows large 14mm (0.56 inch) digits.

Micronet Dual Display
Shows two lines of data simultaneously, and can be configured at any time to display information provided by your transmitters. Large 20mm (0.8 inch) digital readout.

Micronet Analogue Display
Combines analogue and digital displays to show wind direction in relation to the boat. Crucial for safe docking. Display shows large 14mm (0.56 inch) digits.

Power Boat Wind Transmitter
Knowing the wind direction is crucial when you are trying to dock. This robust and highly responsive wireless wind transmitter sends data to any Tacktick display without the need for any wiring. It is also solar powered and therefore requires no battery connections either.

Remote Display
The Remote Display gives you immediate access to all data in the system, whenever you need it.

See page 16 for full specification
See page 17 for full specification
Whether you are out on the water or on land, Tacktick displays are suitable for a whole variety of situations.

For ribs
Being 100% waterproof (submersible to 10m), Tacktick displays are ideal for open boats such as Ribs, giving you all the information you need right by the steering wheel. They are also perfect for Coaches who use ribs for training as they provide reliable data right at their finger tips. And because there are no wires you can simply unclip the displays at the end of the day and take them away when you leave.

Tacktick for versatility

On committee boats
The Micronet Remote Display is the perfect tool for Race Management, giving instant access to all the essential information needed to set a course and run a race. Wind speed, including trends, depth, timer countdown and race timer, and GPS positioning to monitor the tidal effect are just some examples of the data available.

In the clubhouse or at home
More and more people want access to wind information from dry land, either in the clubhouse or from their homes, but cost and the difficulty of installing the equipment makes it prohibitive. Tacktick’s wireless Micronet system makes it simple and straightforward as there is no need to feed wires down difficult to reach flagpoles or up awkward high points. Simply fit a Wind Transmitter outdoors and place a Micronet display where you want it indoors and you have all the wind information you want.
The world's leading digital compass for dinghies

If you race dinghies you know that you need to react to even the smallest wind shifts, and the Micro Compass gives you all the data you need by incorporating a compass, tactical scale and race timer.

This alone is where the Tacktick Micro Compass gives you a massive racing advantage over competitors using glass ball compasses. It is also lighter, easier to read, more reliable and infinitely more precise.

The Micro Compass’s tactical scale gives you clear stable figures corresponding on port and starboard tack. The readings whilst tacking are always the same, meaning you never have to remember numbers.

“The Tacktick Micro Compass was the obvious choice. Reliable, small, lightweight and containing all the functions that we needed.”

Shirley Robertson, Gold Meallist, Athens 2004

Tacktick for dinghies
<table>
<thead>
<tr>
<th>Remote Display T113</th>
<th>Digital Display T110</th>
<th>Dual Digital Display T111</th>
<th>Analogue Display T112</th>
</tr>
</thead>
<tbody>
<tr>
<td>Apparent Wind Speed/Angle</td>
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<tr>
<td>Apparent Close-hauled Wind Speed/Angle</td>
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<tr>
<td>Heading and Off-course Alarm</td>
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<tr>
<td>High Wind Alarm</td>
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<tr>
<td>True Wind Speed/Angle</td>
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<td>True Close-hauled Wind Speed/Angle</td>
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<td>True Wind Direction*</td>
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<tr>
<td>VMG to Wind</td>
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<td>Header or Lift Indicator</td>
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<td>Heading</td>
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<td>Locked Heading</td>
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<tr>
<td>Off-Course Alarm</td>
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<td>Tack Course</td>
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<td>Boatspeed</td>
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<td>Log/Trip Log</td>
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<tr>
<td>Average Speed/Max Speed</td>
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<tr>
<td>Trim**</td>
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<tr>
<td>Speed Over the Ground</td>
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<tr>
<td>Course Over the Ground</td>
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<td>Lat/Long</td>
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<td>VMG to Waypoint</td>
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<td>Distance and Bearing to Waypoint</td>
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<td>Turn to Waypoint</td>
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<td>Cross Track Error</td>
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<td>TTG</td>
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<td>Waypoint and XTE Alarms</td>
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<td>Depth</td>
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<td>Depth Alarm</td>
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<tr>
<td>Sea Temperature</td>
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<tr>
<td>Race Timer</td>
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<tr>
<td>Performance Data***</td>
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<tr>
<td>Controlled by Remote Display</td>
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<tr>
<td>Graphic Multi-line Display</td>
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<tr>
<td>Upwind/Downwind ‘auto page’ Selection</td>
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<tr>
<td>Acceleration/Deceleration Display</td>
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</table>

* Upwash Correction needs Racing Software. SOG can automatically replace speed through the water.

** A trim function can be applied to much of the data. For example, set a required course on a display showing heading, and the instrument will show how far off course you are and whether to port or starboard. When a display shows boatspeed, you can lock it at a target speed, and see at a glance if speed is falling off.

*** Performance data is generated by PC software and all necessary basic data may be provided in NMEA format or come from Tacktick transmitters.

Micronet Remote Display
Compatible with all instrument systems via NMEA
Solar powered (300 hours autonomy)
No need to change batteries
Palm-sized
Totally multifunction
Totally waterproof (submersible to 10m)
Lightweight, only 135g (0.29lb)
Graphic multi-line display

Micronet Displays
No wiring
Solar powered (300 hours autonomy)
Compatible with all instrument systems via NMEA
Simple to configure
Backlighting to 3 levels
Totally waterproof (submersible to 10m)
Lightweight, only 230g (0.5lb)

All information correct at time of going to print. Tacktick reserve the right to make changes from time to time. Our website will contain updated information.
Wind Transmitters

T120 Wind Transmitter
No wires down the mast
Solar powered (300 hours autonomy)
Simple three screw attachment
Lightweight, only 200g (0.44lb)
Full calibration via displays

T220 Vertical Wind Transmitter
No wires down the mast
Solar powered (300 hours autonomy)
Reduces the effect of upwash
Provides improved values for TWS/TWA
Lightweight carbon fibre construction, only 370g (0.81lb)
Full calibration via displays
Supplied with mast top mounting

T123 Power Boat Wind Transmitter
No wiring required
Solar powered (300 hours autonomy)
Lightweight, only 280g (0.61lb)
Simple three screw attachment
Full calibration via displays

T221 Mast Rotation Transmitter
No wiring required
Solar powered (300 hours autonomy)
Lightweight, only 280g (0.61lb)
Simple three screw attachment
Full calibration via displays
Supplied with bracket mounting

T060 Micro Compass
No wires or connections to make
Simple to set-up and use
Totally waterproof (submersible to 10m)
Shock resistant
Lightweight, only 150g (0.33lbs)
Ultra wide viewing angles
Battery level indicator
Easy to read large digits 21mm (0.82")

T070/T075 Master Series
Simple installation
Countdown/count up display
Solar powered (300 hours autonomy)
Large easy to read digits, 28mm (1.10 inches)
Wide viewing angles
Race Timer
Portable

Hull Transmitter and Wireless Interface

T121 Hull Transmitter
Compact & lightweight (200g/0.44lb)
9-24V External power supply
Simple colour coded connections
Watertight construction

T122 Wireless Interface
Compact & lightweight (195g/0.43lb)
9-24V External power supply
NMEA 0183 V2.3
2 inputs & 1 output
External alarm connection

T908 GPS Antenna
Smart reciever
NMEA output
Compact format

Transducers
Standard 51mm (2") hole size
Max. hull thickness 55mm (2.12")
Fully retractable units
Flush and bronze skin fittings available
6m cable supplied

T911 Speed Transducer
T910 Triducer
T912 Depth Transducer
T914 Active Depth Transducer
T909 Compass Transducer
Gymballed fluxgate transducer
Lightweight, only 95g (0.21lb)
Heel and pitch angle of 30º

17
Design your own system

Whether you enjoy racing or cruising you can design your own system to suit your specific needs.

You can start with a basic system, as indicated in Example A below, which will provide you with all the basic data types for wind, speed and depth.

However the system is completely flexible, allowing you to put together your own bespoke design choosing from the full range of displays and transmitters available, as shown in Example B below.

And remember, the Micronet Wireless Interface allows Tacktick instruments to integrate with other NMEA compatible instruments.
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Belgium
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www.oceanequipment.com

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See Slovenia

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Saudi-Arabia
See United Arab Emirates

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www.katran.org

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www.sevenseasgroup.com

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www.smgeurope.com

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United States Virgin Islands
See Netherlands Antilles

Vietnam
See Singapore

West Indies
See Netherlands Antilles

Global support
BREAK FREE

If you designed the perfect marine instrument...

...would it have wires?