AquaWear

AquaWear WLN20 Wireless Navigation Data Gateway

Enabling Next Generation Wearable Navigation

The AquaWear WLN20 is wireless NMEA gateway designed to connect your smart phone with existing and new on board electronics allowing wearable navigation to be a reality – today!

It's interfaced using open NMEA standards and can support multiple phones, iPads, PCs or MACs Users can choose from an ever-updated range of Digital Yacht or 3rd party apps for navigation, charting, instrument displays, AIS, racing and more.

Welcome to wearable navigation and more…

The Market
SmartPhone Navigation

With over 600m iPhones, 200m iPads, 1.5 billion Android devices and over 1.5m Android device activations daily, the smartphone market is truly huge and fully penetrates into the boating sector.

A smartphone makes a great product for marine navigation with a user friendly interface, colour touch screen display and plethora of innovative apps for just about any application.

However, smartphones need to connect to your boats' systems to maximise their capabilities and data processing ability

AquaWear wireless data gateways are the solution for integration with an industry standard NMEA interface enabling connection with legacy and the latest generation of navigation electronics.
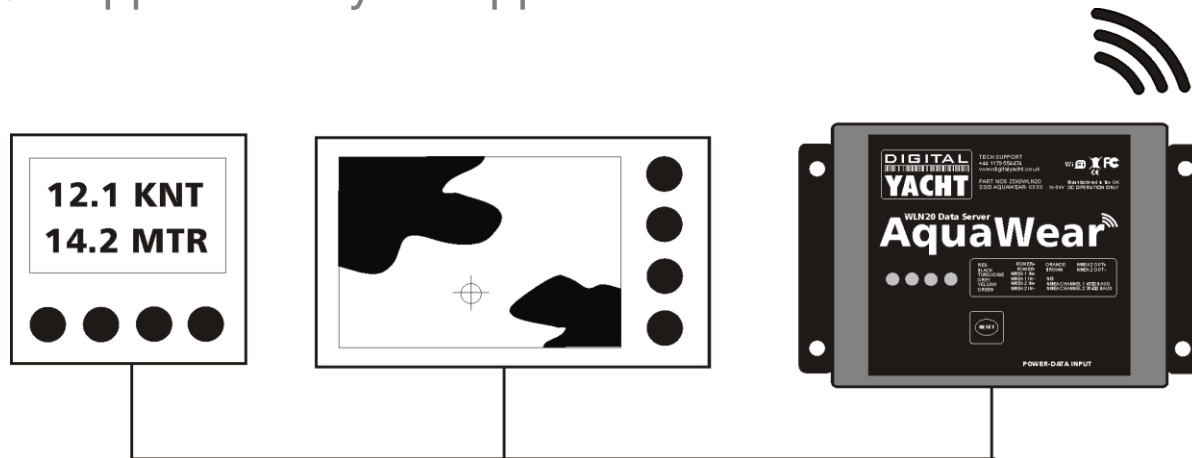
Apps like NavLink from Digital yacht turn an iPad or iPhone into a sophisticated touch screen chart plotter at minimal cost

Next step
Wearable Revolution

The AquaWear WLN20 gateway connects to your on board instruments, GPS or AIS systems and wirelessly streams data to your mobile device. Its local "hotspot" typically footprints boats up to 25m LOA and you don't need internet access.

Pop your smartphone into the supplied wrist case and start wearing your navigation data on your sleeve. It's intuitive, easy and moves with you and of course allows you to choose from 1000's apps to suit your app!

12.1 KNT
14.2 MTR

DIGITAL YACHT
TECH SUPPORT
+44 1179 556474
support@digitalyacht.co.uk
PART NOS ZDIGWLN20
SSID AQUAWEAR-XXXX   10-16V DC OPERATION ONLY

WLN20 Data Server
AquaWear

RED   POWER+   ORANGE   NMEA2 DATA
BLACK   POWER−   BROWN   NMEA2 0V+
TURQUOISE NMEA 1 IN-   NC
GREY   NMEA 1 IN+   NMEA CHANNEL 1 SPEED/AND
YELLOW   NMEA 2 IN-   NMEA CHANNEL 2 SPEED/AND
GREEN   NMEA 2 IN+

POWER-DATA INPUT

Connect via industry standard NMEA interface

aQua wear

SPEED **124**KN

VMG **0.94**KN

MAX SPEED   AVG SPEED
15.4KN   **10.3**KN

TRIP   LOG
0.740SM   **1923**SM

Your choice of app to suit your app!

AquaWear WLN20
Wireless Navigation Gateway

The AquaWear WLN20 features two NMEA 0183 data inputs (4800 and 38400 baud compatible) to allow interfacing with all common marine electronic navigation and instrument systems. It's waterproof and tough and just needs a 12/24V supply and data feed.

It is app "agnostic" with its open data standards so suits all the developer community. Digital Yacht also have a range of iOS, Android, MAC and PC apps for charting, AIS and instrument displays.

With standard TCP/IP and UDP wireless protocols, it can communicate with iOS, Android, MAC and PC and can support multiple devices so all your crew can be connected and larger screen devices such as iPads and PCs enabled below decks.

Compatible with

AquaWear Wireless Gateway
Start Wearing

The supplied, splash-proof padded wrist case suits the majority of 4" & 5" smartphones - with or without a waterproof case fitted.

Of course, you're free to choose from a plethora of 3rd party waterproof cases and arm-straps to suit your needs.

The AquaWear server data feed is totally wireless so there's no cables or connectors to tangle up!

Get data right in front of you and AquaWear enable your crew too.
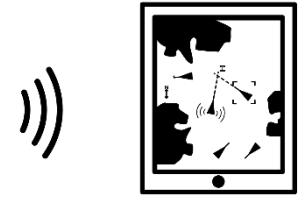
AquaWear can communicate with multiple devices so add an iPad or PC at the chart table too

Applications
Apps for your app!

There's lots of useful apps for boating including instrument repeaters and displays, AIS target tracking, real time charting, GPS, performance racing and more…

As a starter have a look at Digital Yacht's iAIS and NavLink for iOS and AISView for Android
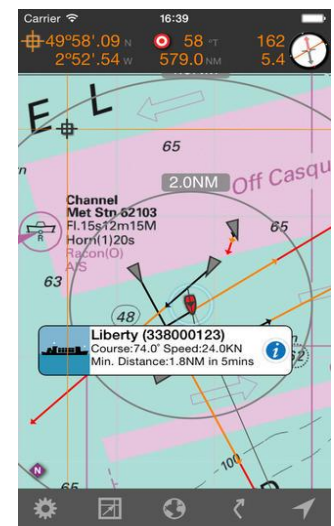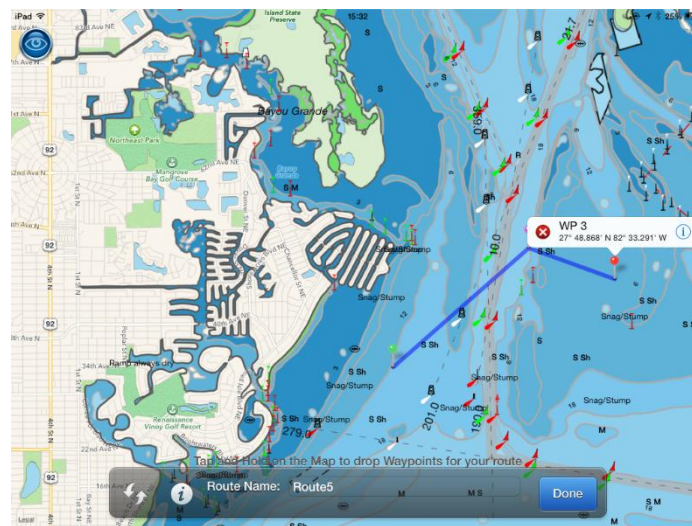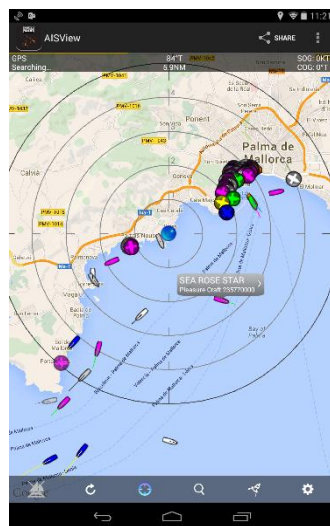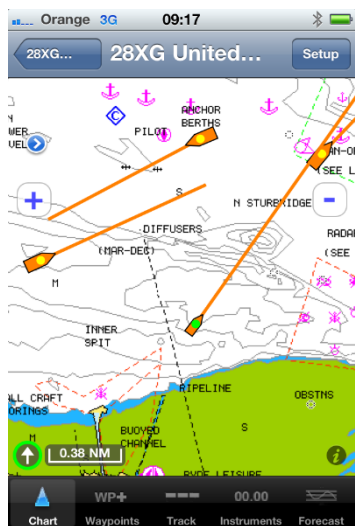
AquaWear Race

Coming soon –
AquaWear Race.
The Race pack combines a low profile 75mm DualNav GPS-GLONASS 10Hz High definition navigation sensor with an AquaWear server for super fast position, course and speed updates right to your smartphone. With a 10x position update and 24x data speed, you'll get sub 1m accuracy and amazing course and speed calculations for the best in racing tactics and analysis from the latest high performance apps.

AquaWear WLN20
Pricing

Part Number	Description	RRP - GBP EX VAT
ZDIGWLN20 UPC 081159830311	AquaWear WLN20 NMEA WiFi gateway with wrist case	220.00
ZDIGAQWC UPC 081159830335	AquaWear Additional Wrist Case	20.00

Please contact your local sales office or sales rep for pricing in EURO and US$

Digital Yacht Europe + 44 1175 554474

Digital Yacht USA 978 277 1234