



# SUBNERO WNC SERIES

## MULTI-RECEIVER CONFIGURATION

Software-defined acoustic  
smart modems with multiple  
receiving hydrophones



### ENHANCED COMMUNICATION PERFORMANCE

Utilizing spatial diversity combining techniques to provide unparalleled communication performance even in the most challenging conditions.





### ONE DEVICE, MULTIPLE APPLICATIONS

Fulfilling multiple roles such as high-performance subsea wireless communication device, positioning and navigational aid or a versatile acoustic recorder.

### 3D POSITIONING AND TRACKING

Providing high precision three dimensional positioning and tracking underwater.

## APPLICATIONS

-  Rapid environmental assessment
-  Underwater IoT
-  Underwater positioning and tracking
-  High-performance acoustic smart modem

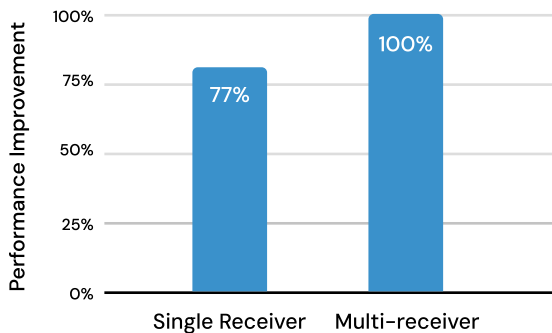


## WNC SERIES MULTI-RECEIVER CONFIGURATION

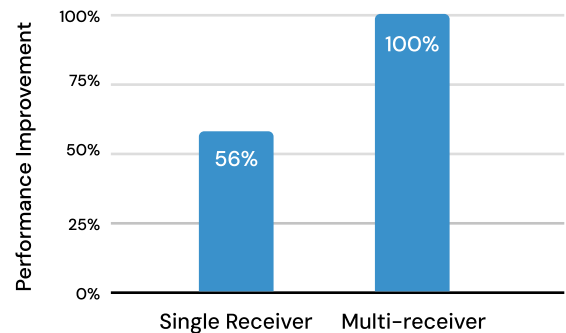
Subnero's multi-receiver configuration of smart modems, provide enhanced performance to the end user by leveraging the additional receiving hydrophones and spatial diversity combining techniques.

## ENHANCED COMMUNICATION PERFORMANCE

CONTROL Channel



DATA Channel



Example performance improvement with multiple hydrophones for CONTROL and DATA channels.

## TECHNICAL SPECIFICATIONS

Modem  
Subnero WNC Series Smart Modems

Programmable gain  
36 dB

Additional receiving hydrophones  
Up to 4

Dimensions  
Ø 127 × 416 mm

Additional sensors (optional)  
GPS, Compass

Weight (in air / water)  
8.0 / 3.0 kg

Waveform streaming  
Supported (all receivers)

Power consumption  
< 7 W (receive mode, nominal)  
< 45 W (transmit mode, average)

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