



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

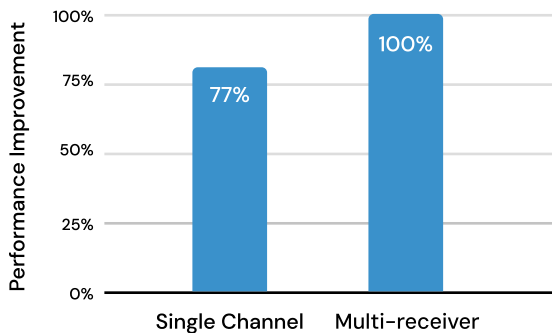


WNC SERIES MULTI-RECEIVER CONFIGURATION

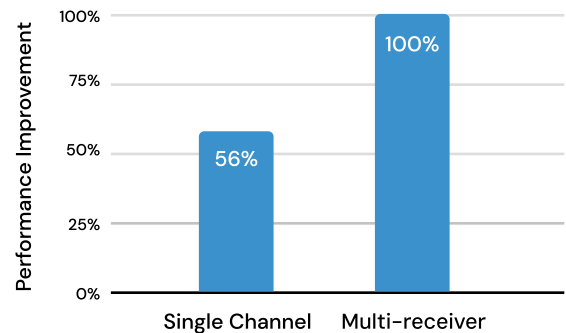
Subnero's multi-receiver configuration of smart modems, provide enhanced performance to the end user by leveraging the additional receiving hydrophones and spatial diversity combining techniques.

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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