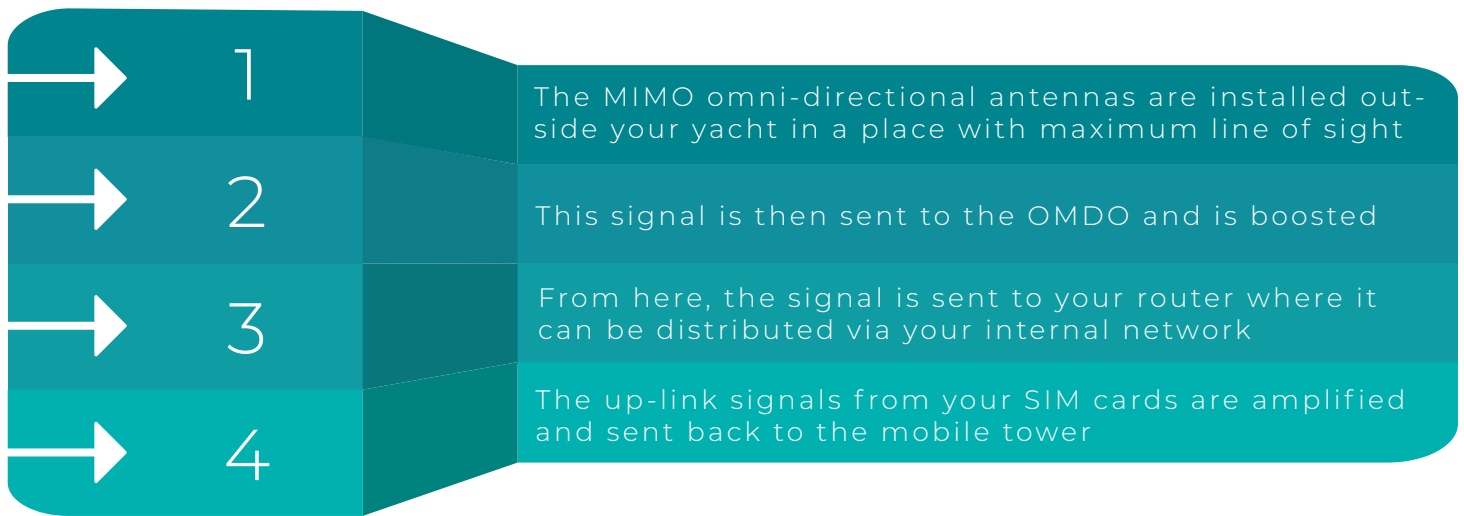




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Offshore Mobile Data Optimiser (OMDO)



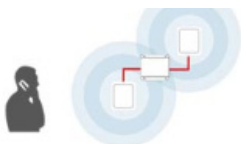
The OMDO is MIMO activated and can amplify up to 4 SIM cards from up to 4 individual mobile operators.

Frequency bands (Mhz): (791-862MHz)+(880-968MHz)+(1710-1880MHz)+(1.92-2.17GHz)+(2500-2690MHz)
 Gain: Uplink Gp > 12dB Downlink Gp > 14dB
 Pass band ripple: < 2dB
 I/O impedance: 50 ohm/N connector
 Max uplink/downlink signal strength:
 - Multiple radio cards: 24dBm / -25dBm
 - Single radio cards: 27dBm / -25dBm
 Ambient temperature: -30°C to +40°C

Power supply input: 110 - 240V AC
 Power supply output: 9-30VDC / 5A
 Max power consumption: 32W
 Oscillation control: Automatic
 Level control: Automatic
 Uplink switch off: Yes
 AGC range: 30dB

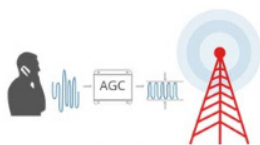
The amplifier includes: AGC on uplink and downlink and Automatic shut down when no up-link signal present to reduce heat generation.

Oscillation/Interference detection



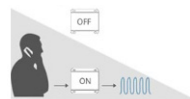
When you install the outdoor antenna too close to the indoor antenna, feedback can occur. The software in the OMDO detects this feedback and reduces amplifier gain automatically.

Automatic Gain Control



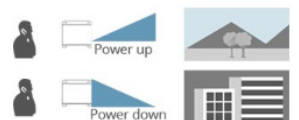
The AGC feature makes sure that the repeater doesn't send too much power up to the base station, protecting it from overload. It works to facilitate power control between the base station and phone.

Up-link Switch Off



The repeater is in standby for the majority of the time and only switches on when a call or data session is initiated. This greatly reduces overall noise.

Base Station Proximity Aware



The repeater increases power in poor service areas and reduces power when it is in close proximity to a base station.