

QUANTEL

CELLULAR MARINE REPEATER



- Works with multiple mobile phones or USB modems
- Simply walk onboard and it works
- Marine communications made easy

Designed to give mobile phones the maximum range at sea. Your mobile coverage will increase in areas where you had no coverage.

- Multiple systems can be installed to cover all carriers
- New system to avoid direct connection to antenna from your mobile
- Boost your mobile phone signal



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HOW DOES IT WORK?

The Quantel Cellular Marine Repeater is designed to repeat the mobile carriers signal into your vessel wirelessly. An antenna is located high on the vessel with low loss cable running to the repeater. The repeater contains a built in antenna which broadcasts the mobile signal within the vessel. With gain adjustments the signal can be auto-corrected or manually corrected to avoid interference issues. Designed for the marine environment the Quantel Cellular Marine Repeater will boost your mobile coverage. This system will cover a vessel up to 30m in length.

Small lightweight and convenient, the QCMR is Quantel's unique offering for mobile coverage solutions on your vessel. With optimised safety features, the QCMR series offers full mobile network protection. The QCMR has been designed specifically to extend mobile coverage on maritime vessels. With five different models your vessel will be covered. Artistic and stylish the QCMR is ideal for vessel owners who want to boost the mobile coverage within the vessel while out at sea.

- Broadband coverage ensures that all operators within the band are covered.
- Complete network safety is a feature with functions such as Auto Isolation Detection (AID), Auto Shutdown (ASD) and Auto Turn-on (ATO) ensure that the repeater is working optimally and safe guarded at all times. These function will protect the network from oscillation and interference issues. The system will be protected from output power spikes so no damage will occur to the network or unit.
- Integrated Keypad and digital display allows the manual adjustment to the gain control on the uplink and downlink in 1dB increments.
- With an embedded Service antenna efficient service is guaranteed, eliminating the need for additional cable installation.
- Supplied with or with out a marine antenna, base mount and 10m low loss cable.
- 5 different units cover all Global frequency bands

ELECTRICAL SPECIFICATIONS

Frequency Range	QCMRS850	QCMRS900	QCMRS1800	QCMRS1900	QCMRS2100
Uplink MHz	824-849	890-915	1710-1785	1850-1910	1920-1980
Downlink MHz	869-894	935-960	1805-1880	1930-1990	2110-2170
Gain (UL/DL)	55dB		Weight	0.8kg	
Gain Adjustment (UL/DL)	40 – 55dB (in 1dB steps)		Dimensions	115 x 170 x 45mm	
Total Output Power (UL/DL)	+ 7dBm		Operating Temperature	+5°C - +50°C	
Power Consumption	19.8W		RF Connector Type	SMA Female (1 x BTS)	
System Impedance	50Ω		Local Alarm Indication	LED: UL/DL AID	
Power Requirements	100-240V AC / 50-60Hz		Compliance	CE, FCC, WEEE, ROHS	

