



Starphone™ QM 2500



STARPHONE™ QM 2500 parts



STARPHONE™ QM 2500



Flat Mount

Pipe Mount

The Starphone™ QM series of marine telephone systems allows convenient Globalstar satellite network access from a sea-going yacht or vessel.

Product

- The Starphone™ QM 2500 marine telephone mounting system facilitates the on-board use of the standard Qualcomm portable Globalstar tri-mode or single-mode phone and its companion hands-free car kit land mobile products.
- The Starphone™ QM 2500 integrates Airstar's indoor mounting panel and outdoor adapter hardware with Globalstar's IS-41 handheld phone and Qualcomm's GSP-1400 car kit.
- The indoor unit (IDU) mounts the portable phone, car kit cradle, electronics module, privacy handset (optional), and cables in one pre-assembled panel. The IDU provides convenient Globalstar operation and user access.
- The outdoor unit (ODU), combines Qualcomm's land mobile Globalstar car antenna with Airstar's custom marine adapter set hardware. The ODU provides for convenient external mounting on a flat surface, or alternatively, on a hand-rail or cabin-side antenna fixture, using the standard marine one inch female threaded pipe flange system.

Installation

- The marine installer simply mounts the two separate physical on-board assemblies, the IDU and the ODU. The IDU is completely assembled and pre-wired incorporating the Airstar mounting panel and all Qualcomm car kit parts, except for the antenna. The Globalstar portable phone just plugs in. The ODU is comprised of the Qualcomm car kit antenna ready to be assembled with Airstar's custom marine adapter set hardware.
- Ships battery power is supplied only to the IDU, and a single coaxial cable connects the IDU to the ODU.

Performance

- The QM 2500 IDU and ODU provide rugged and reliable communications performance throughout the operating and storage conditions normally specified for marine use.
- All Airstar-provided parts and materials meet or exceed the detailed environmental specifications for Qualcomm's standard land mobile products, available directly from Qualcomm.
- As a guide, general conformance with IEC 945 requirements for marine use is anticipated, although certification testing of the full QM 2500 system for all the possible variations of shipboard installation conditions has not yet been completed.



Indoor Unit

- The Starphone™ QM 2500 Mounting Panel consists of a two-part formed black painted metal enclosure. It may be attached inside the vessel by the supplied painted metal rotatable “U” bracket or flush mounting “L” brackets and thumbscrews. Housed and pre-wired within the Mounting Panel are the car kit electronics module, hands-free speaker, power-on indicator light, and all cables from the car kit cradle. Although not watertight, the Mounting Panel is suitable for use in the enclosed pilothouse or navigation station or cabin of a commercial or recreational vessel. It is not suitable for use at an exposed outdoor flying bridge or other external station.
- The Starphone™ QM 2500 Mounting Panel is approximately 12 in. high, 8 in. wide, and 2 ½ in. thick, and with the optional privacy handset mounted at the right side, the entire assembly is approximately 12 in. wide. The U-bracket allows convenient mounting overhead, or on a sloped surface; while the flush-brackets allow optional flush mounting against a vertical panel.

Outdoor Unit

- The Starphone™ QM 2500 Antenna Adapter Set mounts the Qualcomm car kit antenna to the vessel either by a flat plate with screws, or by means of a marine-standard female 1 inch by 14 tpi. threaded flange for handrail or cabin-side antenna fittings. The antenna cable may exit either from the side or center of the antenna base. When fully assembled the QM 2500 ODU is approximately 9 inches high from the flat plate mounting surface and approximately 10 inches high from the top end of a threaded male antenna mount fitting. The round ODU antenna base is approximately 6 inches in diameter, topped with a weather-proof protective cone with a blunt nosed top. The color of the ODU is off white.

Electrical

- The QM 2500 includes a pre-wired internal wiring harness with a 4-wire male female connector set mating with the electronics module, and with the power cable. This allows simple installation to ships 12 volt battery power.

- All cable connectors are internal to the enclosure panel. A side or rear wire exit port is provided for the coaxial Globalstar antenna cable, optional Cellular antenna cable, data cable (optional), microphone wire, and privacy headset adapter cord (optional).
- The outdoor assembly (ODU) is a sealed unit containing the Globalstar transmitting power amplifier and a low noise receiving amplifier, all connected to the indoor station (IDU) are through a single eleven foot watertight coaxial cable. This cable is selected for high performance characteristics, and it may not be cut or spliced during installation. If a longer cable is required, it may be special ordered from Airstar. Cables should not be extended by connecting two cables end to end.

Products

- **QM2500 Integrated Phone** - The QM2500 includes the Qualcomm GSP-1400 car kit; it may be purchased full assembled and activated for ready-to use installation, or complete in two disassembled groups; the user supplies the Qualcomm GSP-1600 Globalstar phone.
- **Starphone™ QM 2000 Kit** – The Starphone™ QM 2500 is also available in kit form for assembly with the Qualcomm’s GSP-1400 car kit. It comes with complete assembly instructions and has all of the same features as the QM2500 except the Qualcomm’s GSP-1400 car kit is not included and it must be assembled by the installer. Contact Airstar for more details.
- Contact Airstar for pricing on combination packages of the above with the Qualcomm portable phone.

Accessories

- 30 or 60 foot long waterproof antenna cables
- A waterproof clear case for the Globalstar IS-41 handheld phone.
- A data cable for RS232 data communication.

Terms

- Visa, Mastercard, or American Express Card, or net 30 days after invoice/shipping date for United States customers with established credit. Prepaid or Letter-of-Credit payment terms in US Dollars shall apply for all export orders