

GSM ALARM AND REMOTE CONTROL

The MGR100 series high-efficient GSM remote controllers are specially designed to use in nautical applications. The built-in GSM module with different interfaces enable simple and easy control and management of complete yacht electrical and electronic equipment through GSM mobile phone. Alarm inputs enable intruder, fire and water income alarming and voltage and temperature alarming and measuring, etc. The built-in relays enable the remote control of different yacht devices. The built-in GPS receiver enable the position tracking and alarming in the case of leaving or approaching to the hold position.

The control of the unit is possible by the help of SMS text messages or by the help of tone (DTMF) dialing. Alarming is possible by receiving the SMS text messages or by alarm calls or by the combination of both of them. Interactive voice responder confirms the requests during DTMF control or inform about the kind of alarm when alarm occurs. The unit enables also speaker and microphone connection to remote communication. Programming is possible by the help of SMS text messages or with PC by the help of RS-232 serial interface.

By the help of wireless sensors and wireless keyfob transmitter the installation, control and management become more simple and user-friendly.

This GSM remote control units come in three versions, Basic, Advance and Reference, every model is available with GPS receiver.

- Built-In GSM Module with SIM Interface
- Built-In GPS Module for Location Management and Alarming
- SMS Control
- DTMF (PSTN, ISDN, GSM) Control
- IVR (Interactive Voice Responder)
- Temperature Measuring and Management
- Analog Voltage Measuring and Management
- Alarm Sensors Management
- Wireles Sensors Connection Capability
- Remote Keyboard Interface
- Speaker and Microphone Interface
- PC Remote and Local Management
- Wide Range Power Supply
- Rechargeable Battery Connection
- ABS Casing

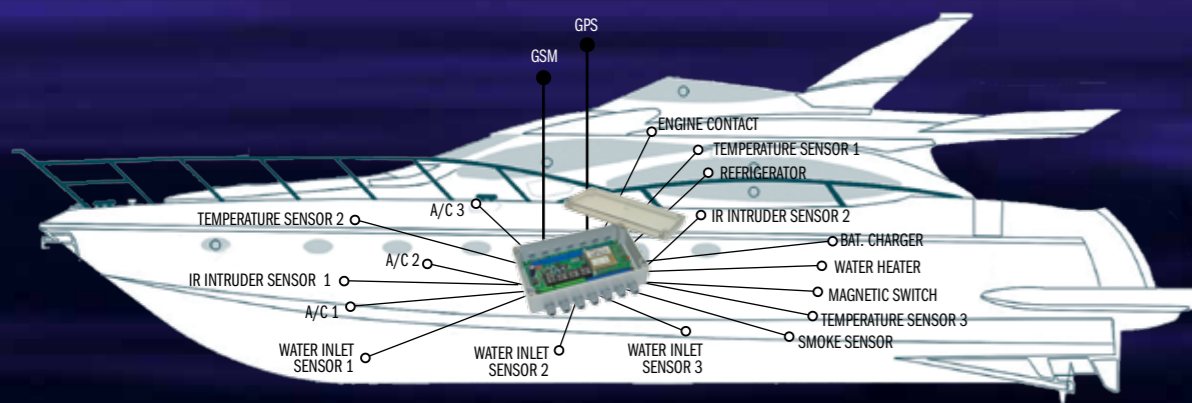


MGR100 Reference

The company ASTEL d.o.o. was established in 1991 and has been one of the leading European manufacturers of video surveillance equipment for over a decade. Experience in the field of security systems led to the development and production of electronic marine equipment that provides a high level of safety and dependability of operation. The ASTEL MARINE brand name was launched in 2004 and very soon it has become one of leading brand name in marine industry.

ASTEL
MARINE

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MARINE

NAUTICAL EQUIPMENT

WIRELESS YACHT CONTROL

The MYW868B/CP series RF microprocessor-based high-reliable wireless remote control systems for motor yachts are designed especially for controlling engines, thrusters and anchor windlass. By using the remote controller MYW868CP series the skipper has control over his vessel from any spot on the yacht. High-quality switches and keys are used to control both engines, bow and stern thrusters as well as the anchor windlass during anchoring.

The remote controller MYW868CP series is encased in an ergonomically designed watertight housing ensuring simple operation and portability. Thanks to the carrying cord provided it can even be worn around the neck thus freeing the hands for other tasks during docking. The steering of the vessel is thus always at the skipper's fingertips in case of any corrections of the vessel's movement due to wind or other factors are required.

During anchoring, complete control of the vessel is possible from the bow which allows the skipper to precisely determine the position of the anchor and avoid any underwater obstacles. During the weighing of the anchor, proper manoeuvring of the vessel is possible right from its bow, thus avoiding any overloads on the anchor windlass and possible entanglement with another anchor.

Dangerous and unforeseeable situations, due to incorrect instructions from crew members, are thus effectively eliminated also during the procedure of tying a line onto a floating buoy. Thanks to the remote controller MYW868CP series, the skipper can manoeuvre the vessel to the buoy with pinpoint accuracy and secure the line without any assistance.

The Wireless Yacht Control System comes in three versions. Version MYW868B/CP-3 controls the vessel's engines and anchor windlass, version MYW868B/CP-4 controls the vessel's engines, anchor windlass and bow thruster and version MYW868B/CP-5, in addition to engine and bow thruster control, also features stern thruster control.

An additional control unit, MYW868BE, can also be supplied to connect the system to the special electronic control heads or to connect to the secondary electronic control head if the yacht is fitted with a fly-bridge.

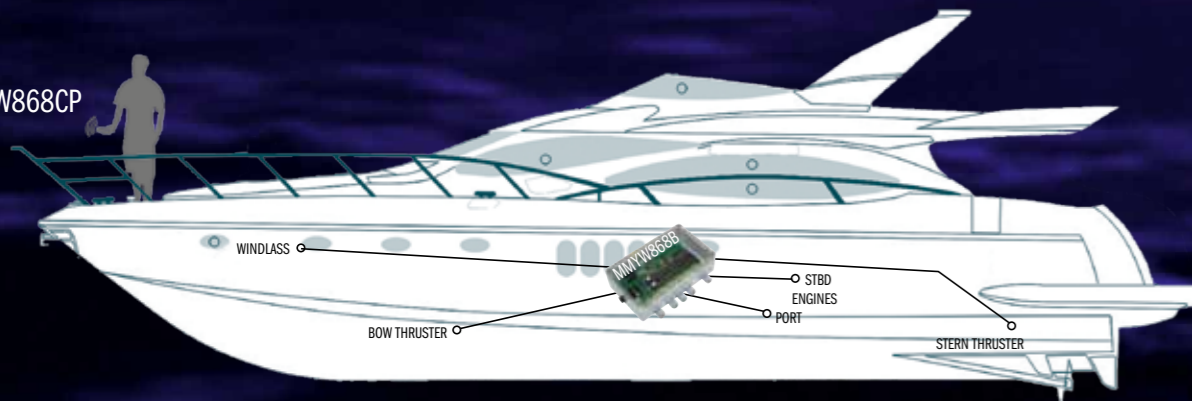
The Wireless Yacht Control System is patented (P-200800217) to achieve safe and high reliability of operation.

- High-Reliable Patented Design
- Port Engine Control
- Starboard Engine Control
- Anchor Windlass Control
- Bow Thruster Control
- Stern Thruster Control
- Transmit LED Indicator
- Low Battery LED Indicator
- ABS Casings with IP65 and IP67 Protection
- Low-Power Consumption
- Simple Connecting



MYW868CP-5

MYW868CP



When landing becomes a pleasure...

INTERIOR & EXTERIOR LIGHTING

The interior & exterior lights are available in ASTRA, INTENSA and ARCUS series with different front shapes and finishes. The most advanced LED technology enables extremely low power consumption and very long lifetime with high-performance lighting.

The new ASTRA series of compact LED lights designed with 1, 3 and 6 high-power LEDs with electronic driver is built-in waterproof anodized aluminium casing for surface mounting. Innovative electronic design with built-in microprocessor enables network connections and remote control with digital dimming. Advanced optical system with reflector and holographic diffuser allows perfect light spread. Different colour temperature options offer right solutions in the interior and exterior. Due to wide range of prestige massive face shapes made of aluminium or stainless steel the ASTRA is suitable to fit on both luxury yachts and superyachts.

The INTENSA series of compact LED lights with electronic driver built-in waterproof anodized aluminium casing is designed by using 3 high-power LEDs with built-in microprocessor which enables network connections and remote control with digital dimming. With the new models designed with 1 high-power LED the advanced optical system with reflector or high-efficiency lens and holographic diffuser allows perfect light spread with different color temperature options for interior and exterior.

The new multi-color RGBW compact LED light with built-in driver is designed by using 6 high-power LEDs to offer the best illumination quality of different white lighting (CRI 97) and microprocessor-controlled changing of white and all other colors of lighting manually or automatically through the complete rainbow spectrum. There are no needs anymore to order the suitable warm white or cold white or daylight white light - the new downlight is designed to adjust the requested white lighting in 21 steps.

Due to wide range of prestige massive face shapes made of aluminium or stainless steel the INTENSA is suitable to fit on both luxury yachts and superyachts.

The ARCUS series is a very innovative multi-color RGB LED light built-in waterproof stainless steel casing with different front shapes and lighting angles. It is suitable for using as interior and exterior downlight and step or staircase light. The most advanced electronic design with built-in microprocessor enables network connection and simple control of complete group of the lights. The ARCUS series is designed to light to floor under the angle of 45 degrees or straight. The main feature is that ARCUS allows changing of the color of lighting manually or automatically through the complete rainbow spectrum.

All models are designed for operating at extreme temperature and voltage conditions with thermal, transient and reverse polarity protections.

- Innovative Design
- Anodized Aluminium or Stainless Steel Casings
- 1, 3 or 6 Power LEDs Design
- Different Face Shapes and Finishes
- White, Blue, Green, Red or Multi-Color RGBW Lighting
- High Efficiency Lens or Reflector with Holographic Diffuser
- Microprocessor Control (network)
- Digital Dimming
- Polarity Protection
- Transient Protection
- Thermal Protection
- Wide Range Power Supply
- Low Power Consumption
- Simple Installation



ASTRA MSM0320

ASTRA MSM0650

INTENSA MRM0320

INTENSA MRM0620

ARCUS MRM01SAM

ARCUS MRM01QGS

ARCUS MRM01RSM

UNDERWATER LIGHTING

The underwater lights are available in EQUATOR, CONUS, CONVEX and PLAQUE series and are designed to use the latest LED lighting technology.

The EQUATOR series is a new and world's first compact ultra-thin LED underwater light with built-in driver. The main feature is that it can be installed on the stern and both sides of the hull under waterline. The thickness is only 9 mm and to install the EQUATOR the max. diameter of the hole through the hull is 8 mm. The light is already patented and design is registered at the Office of Harmonization for the Internal Market (OHIM). The new multi-color version of EQUATOR series allows changing the color of lighting manually or automatically through the complete rainbow spectrum. The most advanced electronic design with built-in microprocessor enables network connection and simple control of complete group of lights with dimming.

The CONUS series slope-truncated cone designed underwater lights using high-power LEDs can be installed under water line on the stern of the hull of the yacht. By the help of slope-truncated cone designed casing the CONUS can be installed on the hull to light in different directions. The CONUS is the only underwater light which can be positioned to lights to the sea ground that can be very welcome when anchoring and docking in clear and low waters. The design is registered at the Office of Harmonization for the Internal Market (OHIM).

The CONVEX series underwater LED lights is designed for standard surface-mount or thru-hull installation on the stern of the hull. The surface-mount and thru-hull designed casings enable very simple installation on the hull under water line with only few screws and without making any bigger holes through the hull under water line.

The PLAQUE series underwater LED lights is designed for flush-mount installation where the most important are low-profile casings to avoid high water resistance and quality materials to assure very reliability installation and operation.

All the models are available in aluminium bronze casings (AB2) but most of them are available also in anodized aluminium casings in different colors. The lighting is available in white, blue, green or multi-color. The CONUS, CONVEX and PLAQUE series are available with 6 or 18 power LEDs and suitable power supply units. The EQUATOR series is available with 6, 12 or 36 power LEDs.

- Innovative and Patented Design
- Aluminium Bronze (AB2) or Anodized Aluminium Casings
- 6, 12, 18 or 36 Power LEDs Design
- White, Blue, Green or Multi-Color Lighting
- Tempered Glass or High Grade Polycarbonate Glass Optical Window
- High-Efficiency Lens or Vacuum Metalized Reflector
- Remote Control
- Microprocessor Control (network)
- Digital Dimming
- Polarity Protection
- Transient Protection
- Thermal Protection
- Wide Range Power Supply
- Low Power Consumption
- Simple Installation



EQUATOR MSR0640

EQUATOR MSR1280

CONUS MSR0680

EQUATOR MSR36240

CONVEX MSR0680

CONVEX MTH18240

PLAQUE MFM18240

Simply...the brightest

