MURANO
multifunction display

by **GUSSI** ITALIA

SYNTEC®

Built On Tradition

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Superior Performance

Every quick turn, every sharp corner, every "get-me-to-the-marina-before-the-storm" is no problem with Gussi Italia. Our wheels offer superior strength and enhanced stability, yet are lightweight enough for easy navigation and more controlled turning.

Italian Craftsmanship

Genuine mahogany, exotic hardwoods, stainless steel, fine leather – these are just a few of the quality materials that go into our wheels. Each is meticulously designed by hand by craftsmen who have a passion for their craft.

Finely Detailed

With a straight and even grain that's free from defects and knots, mahogany is tough yet durable. It's free from voids, and naturally resistant to rot and insects. To cover our wheels, we use a molded polyurethane foam and natural leather, and hand-stitch to ensure it won't unravel.

Extraordinary Handling

What makes Gussi Italia wheels handle better than others? We cast metals into shape by turning them into liquid and pouring them into molds. Next, our steelworkers remove anything that could cause defects, and then let them cool and solidify to become the perfectly molded, balanced, and weighted product we're known for.

MURANO
Multifunction Display System
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Fully functional, touchscreen, multi-functional display that Gussi Italia designed into the center cap of a steering wheel:

- Patent Pending
- Completely Waterproof
- Currently only offered on the following wheel designs: Sinel, Bolca and Corvina
- Potential for additional designs upon further discussion and extended lead times
- Available with a 12-Month Limited Liability Warranty.

The Murano system integrates a waterproof touchscreen display with power wings to show functions making driving more comfortable and safer. It interfaces with control systems installed on board, such as infotainments, lights, engine and vessel parameters via the CANBUS network. The functions made available will be determined by the OEM. They can be numerous, but only 14 functions from the power wings can be active at a given time. Additional functions can be actively displayed by designing "pages" which the end user could swipe through. Any other inactive function can be turned on by the end user to fit his/her desire by connecting the system to a dedicated free smartphone application via Bluetooth. The display has an auto leveling feature as standard so as the wheel turns, the screen is always facing upright.

Some future software improvements will be available by smart phone application but the majority of the software can only be updated via new hardware, so it is important to carefully plan the system's functionality from the beginning.

What is needed from the OEM:

Type of helm used: Please share brand and model number of specified helm to which the Murano system will be installed (example- Dometic/Seastar SH9181OB).

CANBUS protocols: the Murano system must be programmed using NMEA2000 protocols or with the protocols of the CANBUS system manufacturer which are on board. To program the Murano system, it is necessary to know the protocols for each qualified function that the OEM wants to allow the end user to have access to. Please circle the icons/functions listed on page **6** which are desired.

Add any other function(s) which are not on the list and include a preferred icon symbol representing that function. Also reference page **7** for PGN assignments typical on our Power Wings.

Company Logo: this will be set as the "home" page of the display

Desired Screen and background colors: choose up to three colors, only one at a time can be displayed

Swipe display page options: Example – RPM, Speed, Direction…. Each page can display 2-3 functions. Ideal to limit to 3 pages, not including the home page. (See adjacent photo)

Swipe Display Page

Common Functions:

Please circle the icons/functions which are desired.

Cruise on/off	Horn	Track/seek forward
Speed up	Interior Lights	Track/seek backward
Speed down	Navigation Lights	Video
Trim up	Underwater Lights	Zoom in
Trim down	Surf up	Zoom out
Jack plate down	Surf down	Heated rim on/off
Jack plate up	Switch	
Bilge pump	Volume up	
Live well fill pump	Volume down	
Live well recirculate pump	Mute	

NMEA2000 compatibility of Gussi RX20 receiver

Below are a list of supported NMEA 2000 PGNs:

- PGN 59392 – ISO Acknowledgment
- PGN 59904 – ISO Request
- PGN 60928 – ISO Address Claim
- PGN 126993 – Heartbeat
- PGN 126996 – Product Information

All messages are sent with the default Source Address number 76 (0x4C).

The Gussi specific NMEA 2000 PGN are:

- PGN 127502 – Key status
    PGN: Switch Bank Control 127502 (0x1F20E)
    Source Address (SA): 76 (0x4C)
    Priority: 3
    Data Page: 1
    Transmission Rate: 500ms (and when change occurs)

FUNCTION	PGN (HEX)	Payload (B0…B7)
F 1	0x1F20E	00 01 00 00 00 00 00 00
F 2	0x1F20E	00 04 00 00 00 00 00 00
F 3	0x1F20E	00 10 00 00 00 00 00 00
F 4	0x1F20E	00 40 00 00 00 00 00 00
F 5	0x1F20E	00 00 01 00 00 00 00 00
F 6	0x1F20E	00 00 04 00 00 00 00 00
F 7	0x1F20E	00 00 10 00 00 00 00 00
F 8	0x1F20E	00 00 40 00 00 00 00 00
F 9	0x1F20E	00 00 00 01 00 00 00 00
F 10	0x1F20E	00 00 00 04 00 00 00 00
F 11	0x1F20E	00 00 00 10 00 00 00 00
F 12	0x1F20E	00 00 00 40 00 00 00 00
F 13	0x1F20E	00 00 00 00 01 00 00 00
F 14	0x1F20E	00 00 00 00 04 00 00 00
F 15 (1)	0x1F20E	00 00 00 00 10 00 00 00
F 16 (1)	0x1F20E	00 00 00 00 40 00 00 00
F 17 (1)	0x1F20E	00 00 00 00 00 01 00 00
F 18 (1)	0x1F20E	00 00 00 00 00 04 00 00
F 19 (1)	0x1F20E	00 00 00 00 00 10 00 00
F 20 (1)	0x1F20E	00 00 00 00 00 40 00 00

For a video about the Murano Multifunction Steering
Wheel Display scan the QR Code.

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