

Virtual GMDSS Simulator



Buffalo Computer Graphics' (BCG) most popular and cost effective Global Maritime Distress and Safety System simulation solution is our Virtual GMDSS (VGMDSS) software. The VGMDSS software models commonly found components of actual GMDSS stations, these include the 6222 VHF DSC Radio, the 6301 MF/HF DSC Radio, Sailor SE406 EPIRB, Furuno NX-700 NAVTEX, ACR Electronics SR-102 Handheld VHF radio, Sea Radio Telex terminal, Sailor Inmarsat-C terminal, Sailor Fleet Broadband phone, along with other commercially available devices.

Designed to be installed on a Windows PC with a single or dual monitors, the VGMDSS software features all the required items for a Class 'C' GMDSS simulator. Additionally, the software features a Battery Monitor Panel that models actual battery levels in the event of the student's ownership loses power and is forced to use batteries to power the GMDSS console.

The Instructor Station, our GMDSS Maritime Simulation Tool (G-MaST), allows for exercise creation, dynamic control and event logging. Additionally, audio and digital message links allow the instructor to monitor communications and role play as a vessel, a coast radio/earth station, or rescue coordination center within the scenario. Exercise locations and GMDSS stations are selectable from a worldwide (sea Areas 1 through 4) GMDSS database. Automated maritime safety information broadcasts can be preprogrammed or instructor initiated.

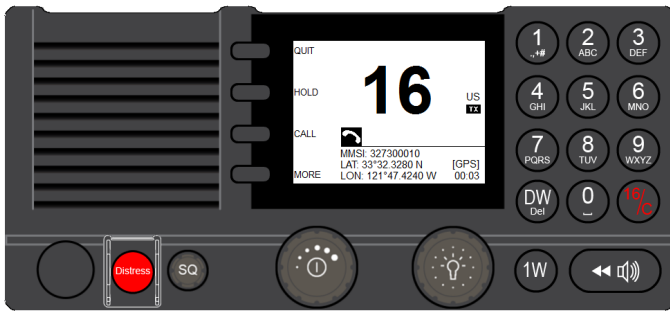
Each student station operates as its ownship during the exercise and is completely independent from other vessels which allows for team training. All stations operate under Windows 7, 10, or 11 with data exchanged via an Ethernet network connection. The BCG system is easily expandable to allow system growth as your training requirements increase.

The instructor and student software packages each include a USB dual ear headset with MIC, and an on-screen PTT button for voice transmissions. BCG offers other options for the communication hardware.

Features

- > Realistic emulations of actual GMDSS equipment
- > Available as a software only package, or a turn-key system delivered on new Windows computers
- > Global coverage and simulation within all four Sea Areas
- > Supports VoIP communications
- > Configurable for a single student or in a classroom with up to 32 students





Sailor 6222 VHF DSC Radio



Sailor 6301 MFHF DSC Radio

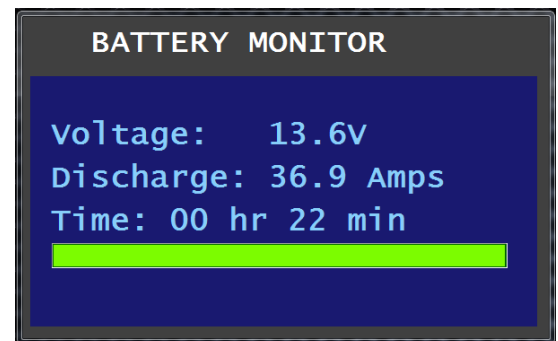


INMARSAT-C Terminal

VGMDSS Simulator Features:

The Virtual GMDSS student station consists of the following components

- ◇ VHF DSC Radio (Sailor 6222)
- ◇ MF/HF DSC Radio (Sailor 6301)
- ◇ NAVTEX Receiver
- ◇ Sailor 6300 MF/HF Radio Telex
- ◇ Fleet Broadband Phone and Texting application
- ◇ Sailor Inmarsat-C Terminal
- ◇ Handheld Emergency VHF Radio
- ◇ Search and Rescue Transponder (SART)
- ◇ Electronic Position Indicating Radio Beacon (EPIRB)
- ◇ Battery Monitoring Panel
- ◇ Ship Information Window (Vessel Name, MMSI number, Call Sign, etc.)
- ◇ GPS Window (Time, Lat/Lon, Course, and Speed)
- ◇ Dual ear Headset with MIC and virtual PTT
- ◇ Printer support



Battery Monitoring Panel

Product Features:

- ◇ Realistic GMDSS equipment operation without live emissions, uses Voice over IP (VoIP) technology
- ◇ Realistic voice communications with noise squelch and propagation effects
- ◇ Battery drain rate is modeled after actual components and is controllable by the instructor
- ◇ Dynamic scenarios with moving ships that may be in different problems
- ◇ Networked student workstations with graphical presentations of the exercise situation
- ◇ Automated watch keeping and distress message features
- ◇ EPIRBs and SARTs may be launched by the student. SARTs can optionally be displayed on a BCG simulated radar

Contact BCG for information and pricing on our full line of Maritime Simulation products.

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