



## MARITIME: EXIGO PA/GA SYSTEMS

# EXIGO

- **Integrated and Monitored - over IP**
- **Efficient and Compact - less space, less heat, less maintenance**
- **Scalable and Flexible - over 10kW GA power in a single cabinet**

The Vingtor-Stentofon Exigo system is designed to meet the requirements of a Public Address and General Alarm (PA/GA) system in maritime, offshore and onshore applications. Using state of the art IP technology, it has been designed from the ground up to meet the requirements of type approvals in the maritime segment (DNV GL, ABS, etc.) and Norsok requirements in the Oil&Gas segment. This makes for a robust system that fulfills all the requirements of PA systems demanding a high degree of availability and redundancy.



**BECAUSE**

when communication is critical

[www.zenitel.com](http://www.zenitel.com)

# EXIGO

The Exigo PA/GA system is designed to meet the specific requirements of each particular installation. Exigo supports up to 250 zones, 100 amplifiers, and provides 100 priority levels.

## EXIGO SYSTEM

The amplifiers in the Exigo product range are cutting edge equipment using IP technology and modern class-D design for high efficiency. They are fully monitored, and their current status can be read remotely via SNMP and Syslog over IP. The range of access panels available are designed to meet the requirements in multiple-use scenarios, from that of a marine vessel to potentially hazardous areas requiring Ex devices. They all are, like the amplifiers, fully monitored and will report any faults such as microphone issues as they occur.

## INTEGRATION

The Vingtor-Stentofon Exigo system can be easily integrated with other systems such as the Vingtor-Stentofon AlphaCom communication platform. This means that the PA/GA system is fully integrated with the Vingtor-Stentofon intercom range and third-party systems such as generic IPBX and Radio systems over IP.

### LIFEBOAT STATION

The IP66-rated EAPII panels are ideal as outdoor access panels next to heliport and lifeboat stations.

### INTEGRATION



TKIS/TKIE integration modules are used to interface to legacy telephone system or other analog audio systems.

### LINE END TRANSPONDERS



Exigo supports intelligent line-end transponders for improved monitoring of speaker lines.

### SYSTEM CABINET "A"

Analog integration with fire monitoring & control system and other signaling systems can be done directly on the Control Inputs of the rack devices.

### REUSING EXISTING CABLING



Flowire enables the use of existing cabling for retrofit projects. Flowire can carry power and IP over 2-wire cabling for up to 1 km.

### BRIDGE ACCESS PANEL ECPIR-3P + EBMDR-8

PA Panel used for announcements on the ship. Buttons can be configured for zone selection, message playback, alarm control and many other functions.



### DEDICATED ALARM PANEL

EAPIR-8 is a dedicated alarm panel with 8 buttons that can be configured to activate any audio event in Exigo.



### SECONDARY ACCESS PANEL ECPIR-3P + EBMDR-8

Access panel can be flush mounted or placed on a desk with the optional backbox.



### SYSTEM CABINET "B"

The control outputs on the rack devices can be used for local muting of speakers, control of flashing light or integration with other systems.



### LOCAL CALL PANEL

Call panel pre-programmed for local announcements in public area. Panel supports gooseneck and handheld PTT microphones.

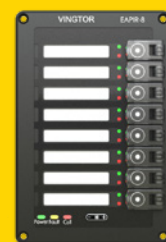


## ACCESS PANELS



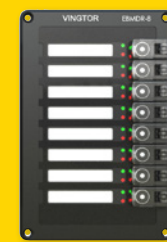
### 1023200030/1023200033 ECPIR-P/ECPIR-3P

- Microphone Call Panel
- Fully monitored
- AGC and Microphone monitoring
- Dual (A+B) function
- Power over Ethernet



### 1023201008 EAPIR-8

- Alarm Panel
- 8 programmable buttons
- Fully monitored
- Programmable
- Dual (A+B) function
- Power over Ethernet



### 1023253008 EBMDR-8

- Expansion Module
- 8 programmable buttons
- Compatible with ECPIR panels
- Up to 4 expansion modules per panel
- Powered by master device



### 1023201201/1023201206 EAPII-1/EAPII-6

- Outdoor Access Panel
- Supports optional handheld microphone
- 1 (6) programmable button(s)
- Ingress Protection rating: IP66
- Operating temp.: -40°C to +60°C



## INTEGRATION PRODUCTS



1008131020/1008132020

### TKIS-2/TKIE-2

- Integration module
- 6 I/Os + Audio in/out
- 1 (2) Dry contact relay(s)
- Networked and monitored
- Power over Ethernet



1008080110/1008080210

### FCDC-1/FCDC-2

- Flowwire converter
- Power and IP over 2-wire
- Up to 1 km range
- Powered by 24VDC - 48VDC
- Multiple devices per cable



1023221511/ 1023221516

### EAPFX-1/EAPFX-6

- Rugged access panels
- Power and Ethernet over 2-wire cabling with Flowwire
- IECEx/ATEX approved
- Zone 1/2 (IIC)
- 1 (6) programmable key(s)
- Ingress Protection rating: IP66
- Operating temp.: -20°C to +60°C (T4)



1023301310/1023300010

### ELSII-10H/ELSIR-10C

- Intelligent speakers (IP)
- Powered by PoE or DC
- 10W amplifier
- IP66 / IP32
- Individual volume control and monitoring

## OUR SOLUTION:

- ▶ Engineered according to regulations and your needs.
- ▶ Flexible wiring and system allows for solving retrofits in an efficient manner.
- ▶ Self monitored system, from microphones to speaker lines.
- ▶ Digital audio processing on all microphone access panels to handle any environment.
- ▶ Scalable and flexible solutions offering up to 10kW GA power in a single rack or larger systems spread between multiple racks.
- ▶ Integration over IP to Intercom, Radio systems, Satcom, IP entertainment and more.
- ▶ Integration to legacy PBX systems using integration modules.
- ▶ Self monitoring system with local reporting and option for remote monitoring over SNMP and Syslog.
- ▶ System status can be reported locally or optionally to remote systems over SNMP and Syslog.
- ▶ Range of rugged (IP66) panels for exposed areas with dedicated ATEX/IECEx access panels and accessories.



## WHY VINGTOR-STENTOFON?

The Vingtor-Stentofon critical communication portfolio offers state of the art quality audio software and hardware. By offering integrated, type-approved and certified systems for Communication, Data, Safety and Entertainment for more than 70 years, we have gained the reputation as a supplier of the most flexible, reliable and advanced Maritime Communication Systems available. Our extensive worldwide distribution network comprises our head office in Horten, Norway and sales and service offices in 12 different countries. We have more than 90 highly qualified engineers around the world ready to serve your needs.