zenitel

MOTOTRBO SLR5500

RADIO SYSTEMS FOR MARITIME AND ENERGY MARKETS

PROFESSIONAL RADIO COMMUNICATION

INTEGRATED WITH PBX AND PA/GA COMMUNICATION

BECAUSE when communication is critical

MOTOTRBO™ RADIO SYSTEM

LEVERAGE NEW DIGITAL RADIO COMMUNICATION

DIGITAL RADIO COMMUNICATION

Two-way radio has been a successful analog communication solution for generations, and is still viable in countless deployments around the world. In today's technologically advanced environment, there is a new digital platform that is capable of new levels of performance and productivity. In the same way that digital technology has transformed other media, it is now revolutionising two-way radio communication and the options of integrating with other communication solutions.

STANDARD BASED AND FUTURE COMPLIANT

The Motorola MOTOTRBO radio system is designed to comply with the globally recognized European Telecommunications Standard Institute (ETSI) Digital Mobile Radio (DMR) Tier II and Tier III standards. DMR is widely backed by industry-leading two-way radio manufacturers, and it is the most widely deployed digital mobile radio technology for professional radio users around the world. This open standard ensures long-term stability and fosters a community of manufacturers that build interoperable equipment with a variety of features, benefits and functionalities.

Motorola digital radio system combines the best in two-way radio functionality and digital technology

MAIN FUNCTIONALITIES
AND FEATURES

MOTOROLA DIGITAL RADIO SYSTEM

MOTOTRBO™ combines the best in two-way radio functionality and digital technology. You get enhanced features, increased capacity, integrated data applications, exceptional voice quality, and extended battery performance.

- **Integrates voice and data** into one device to increase operational efficiency and support integrated applications including MOTOTRBO Text Messaging Services.

- Uses Time-Division Multiple-Access (TDMA) digital technology to provide **twice the calling capacity** for the price of one 12,5 kHz frequency license.

- **Trunked** and **repeater only** solutions

- Offers **enhanced battery life.** MOTOTRBO digital two-way portable radios can operate up to 40 percent longer between recharges compared to typical analog radios.

- Provides **easy migration** from analog to digital with the ability to operate in both analog and digital modes.

- **Enables additional functionalities** including dispatch data, enhanced call signaling, basic and enhanced privacy-scrambling and optional board expandability.

- Features the **transmit interrupt** suite - voice interrupt, remote voice dekey, emergency voice interrupt or data over voice interrupt - to help prioritize critical communication when needed.

- **ATEX** and None ATEX models, and a wide range of quality **accessories** are available.
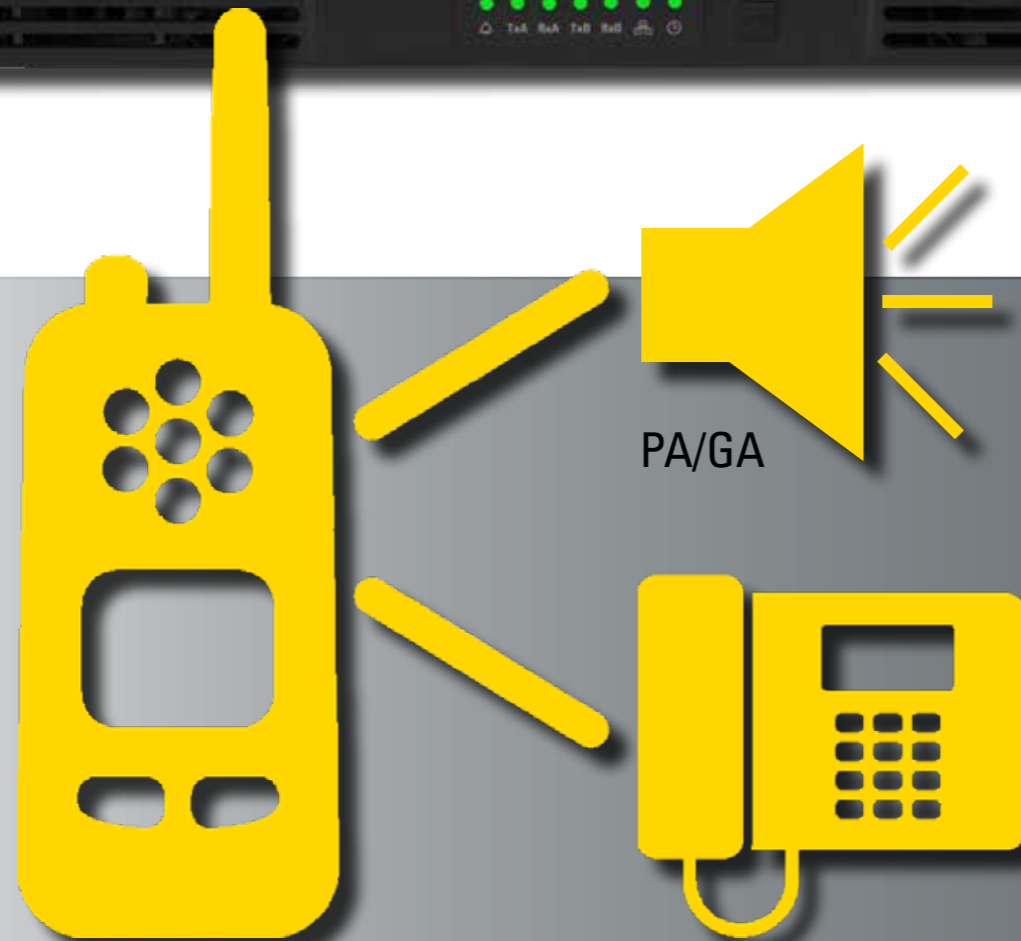
VOICE CALLS:

- **GROUP CALLS**
  between radios that have selected the same group.

- **PRIVATE CALLS**
  between two individual radios.

- **PBX CALLS**
  between a radio and a wired telephone or telephone conference. Between a wired telephone and a group of radios.

- **ALL CALL**
  used e.g. for forwarding PA/GA calls to all radios in the system.

- **EMERGENCY CALL**

- **PAGING**

INTEGRATION WITH OTHER COMMUNICATION SYSTEMS

RADIO, PUBLIC ADDRESS, TELEPHONY AND PAGING COMMUNICATION

INTEGRATED SOLUTION

As a Motorola Solutions Platinum Reseller, we utilize Motorola MOTOTRBO products for many applications and market segments. With the MOTOTRBO SLR5500 Repeater system, we offer the best two-way radio communications system for your enterprise as well as integration with other systems such as PBX, PA/GA and Paging.

The MOTOTRBO radio and SLR5500 Repeater system is an ideal and simple communication solution for your marine and offshore applications.

PA/GA

RADIO

TELEPHONE & INTERCOM

MOTOROLA PARTNER

Zenitel is a Motorola Solutions Platinum Reseller. With our substantial experience in radio communication, we utilize Motorola Radio products for many applications and market segments. These products are fully integrated with a range of Zenitel solutions.

MOTOROLA SOLUTIONS
PLATINUM RESELLER

SLR5500 REPEATER SYSTEM
AND INTERFACE OPTIONS

A SCALABLE AND FLEXIBLE SYSTEM

The Motorola SLR5500 radio repeater system is extremely flexible, and can be configured according to customer requirements.
The system can comprise as little as one SLR5500 MOTOTRBO Repeater.

We design and develop solutions to meet your needs.

INTERFACE OPTIONS
Choose your system to be delivered with one or more interface options, ensuring a complete and integrated communication solution.

POWER SUPPLY A&B SYSTEMS
As standard, the cabinet power supply is either 110, 230 VAC or 48VDC. Optionally an automatic transfer switch and power distribtion panel can be installed.

PA/GA INTERFACE
This is a 19" rack serving as a gateway for the A & B PA/GA system. A 600-ohm balanced audio and dry contact closure controls a PA/GA radio or the Alphacom audio server. When the dry contact closure is activated, the gateway will start transmitting, and the audio from the PA/GA system will be routed to the radios with high priority.

TELEPHONY (PBX) INTERFACE, ANALOG
This is a 19" telephony interface unit. When a radio user initiates a phone call, the system selects the available phone channel on the repeater that has the telephone patch connected, and a semiduplex call is set up. In the other direction, when a phone user initiates a call to the telephone patch, the system selects an available repeater slot and calls a radio or a group of radios.
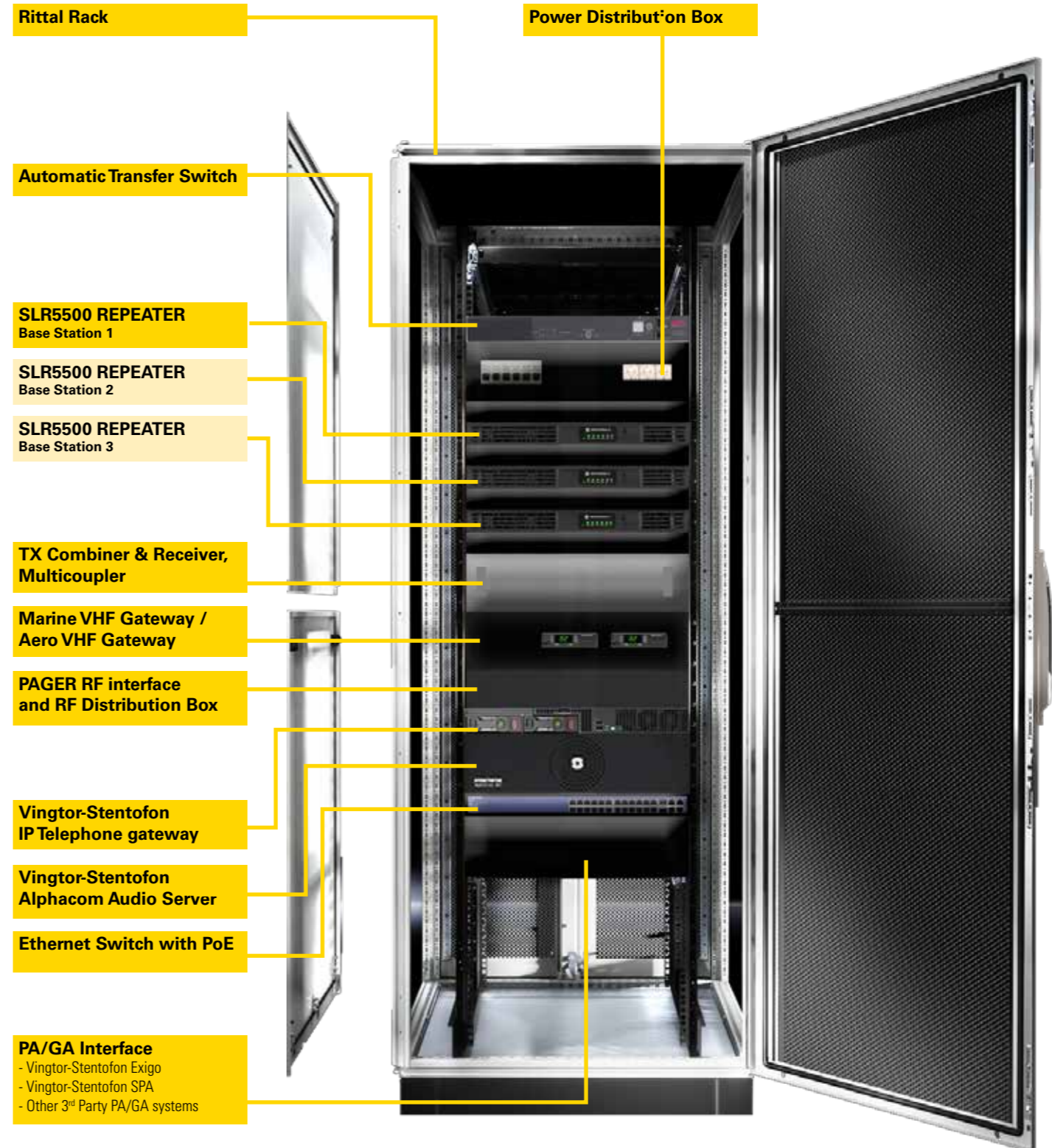
TELEPHONY (PBX), IP BASED
Please find more details in Vingtor-Stentofon Telephone Gateway productsheet.

PAGING INTERFACE
This is a 19" rack containing filter/combiner equipment to separate the frequencies used for radio and paging. With this interface, the paging signal is fed into the repeater system through the RF distribution "box". The pager signal is combined with signals from the repeaters via a duplex filter and distributed to the antenna and radiating cables on the levels/decks.

SYSTEM OVERVIEW

Rittal Rack

Power Distribut'on Box

Automatic Transfer Switch

SLR5500 REPEATER
Base Station 1

SLR5500 REPEATER
Base Station 2

SLR5500 REPEATER
Base Station 3

TX Combiner & Receiver, Multicoupler

Marine VHF Gateway / Aero VHF Gateway

PAGER RF interface and RF Distribution Box

Vingtor-Stentofon IP Telephone gateway

Vingtor-Stentofon Alphacom Audio Server

Ethernet Switch with PoE

PA/GA Interface
- Vingtor-Stentofon Exigo
- Vingtor-Stentofon SPA
- Other 3rd Party PA/GA systems

zenitel

zenitel

WORLDWIDE DISTRIBUTION NETWORK

Our extensive worldwide distribution network includes 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.

After sales support and benefits

System "Remote Control" via VPN	Training	24/7 Service	Service agreements	Type-Approved systems
Innovative technology	Monitoring of system solution with follow-up on sailing ships	Spare parts policy	Extended warranty terms	Crew training program

WHY ZENITEL?

You need systems that work. Every time. We provide reliable and resilient integrated communication solutions. We understand that the safety and efficiency of your most valuable resource – your employees – is key to your success.

We're specialists in the maritime and energy segments: we know the ocean industry, and we speak your language. Our innovative solutions for critical and intelligent communication deliver reliable performance in all conditions. We also understand your need to safeguard your assets, whether it is an ocean going vessel or energy plant. That's why we offer integrated communication solutions that enable seamless information sharing, so you can make better decisions more quickly.

Our systems and solutions provide high availability, scalability, reliability, maintainability and cyber defensibility. Our flexible and innovative solutions for intelligent communication, data, safety and entertainment systems deliver reliable performance in all conditions.

A100K11648   09.10.2020