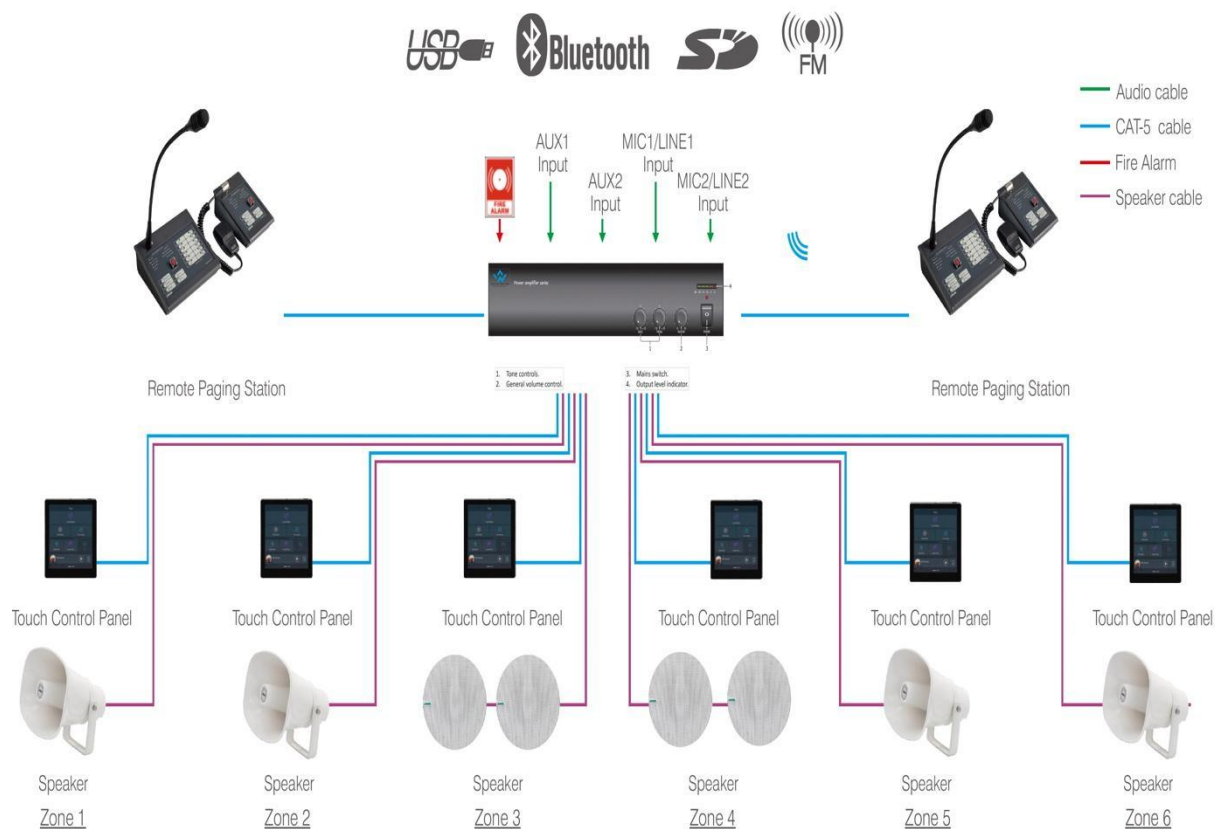


MBSRE (Main Broadcast and Sound Reproducing Equipment) System by UAVX Automation Pvt. Ltd.

The **MBSRE (Main Broadcast and Sound Reproducing Equipment)** system developed by **UAVX Automation Pvt. Ltd.** is an advanced, integrated communication solution specifically designed for naval, coast guard, and other paramilitary vessels. It ensures seamless communication, efficient operation, and enhanced safety across all zones onboard ships.

This cutting-edge system combines powerful broadcasting, safety protocols, and adaptability, making it an essential component for maritime defense operations.



UAVX AUTOMATION GENERAL MBSRE SYSTEM LAYOUT

Comprehensive Features of the MBSRE System

1. Centralized Control Panel

- **Location:** Installed on the ship's bridge or a dedicated control room.
- **Functions:**
 - Operates as the primary hub for announcements and sound reproduction.
 - Features:
 - Live microphone inputs for real-time announcements.
 - Volume and zone controls for targeted communication.
 - Interfaces with the ship's General Alarm (GA) system for emergency broadcasts.

2. High-Performance Amplifiers

- **Purpose:** Boosts audio signals for consistent sound clarity across the ship.
- **Placement:** Located near the main panel or in an equipment room.

3. Zonal Distribution Network

- **Purpose:** Divides the ship into **dedicated communication zones**:
 - Bridge.
 - Accommodation areas.
 - Machinery and engine rooms.
 - Outdoor deck spaces.
- Enables selective broadcasting to ensure relevant information reaches the intended crew.

4. Strategic Speaker Placement

- **Indoor Areas:** Accommodation, bridge, and machinery spaces.
- **Outdoor Areas:** Decks and muster stations with weatherproof speakers.
- **Specialized Zones:** High-decibel speakers for noisy environments like the engine room.

5. Seamless Emergency Alarm Integration

- **Linked to the GA system:** Automatically overrides routine broadcasts during emergencies.
- **Pre-recorded messages:** Play specific alerts for fire, evacuation, or other critical scenarios.

6. Sound Sources for Versatility

- **Inputs:** Microphones, CD players, digital media devices.
- **Uses:** Announcements, background music, pre-recorded safety messages.

7. Power Supply and Redundancy

- **Primary:** Connected to the ship's main power grid.
- **Backup:** Emergency power sources ensure uninterrupted functionality.

8. Advanced Cable Network

- Shielded, fire-resistant cabling for safety and reliability.
- Routed through protective conduits to prevent interference or damage.

9. Monitoring and Testing Equipment

- Includes built-in testing tools for verifying system performance.
 - Features:
 - Test tones for speaker checks.
 - Real-time indicators for operational status.
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Why Choose MBSRE by UAVX Automation Pvt. Ltd.?

1. **Compliance with Military Standards:**
 - Fully compatible with **naval, coast guard, and paramilitary vessel requirements**.
 - Meets stringent operational and safety standards for maritime defense.
 2. **Integration with Ship Automation Systems:**
 - Links with ship automation systems for dynamic adjustments based on stability and operational needs.
 - Interfaces with navigation systems to synchronize communication during missions.
 3. **Customizable for Mission-Specific Needs:**
 - Modular design for easy customization and scalability.
 - Configurable zones, alarms, and inputs to match vessel requirements.
 4. **Environmentally Robust Design:**
 - Built to withstand harsh marine environments, including extreme temperatures, humidity, and vibrations.
 5. **Adaptable for Multi-Mission Vessels:**
 - Suitable for naval operations, search-and-rescue missions, patrol duties, and training exercises.
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Key Benefits for Naval and Paramilitary Use:

- **Enhanced Operational Communication:** Critical for efficient coordination during maritime missions.
- **Safety-First Design:** Integrated alarms and emergency systems for life-saving responses.
- **Durability and Reliability:** Proven performance in high-stakes environments.

Targeted Use Cases:

- **Navy Ships:** Designed for efficient communication in battle and peacekeeping operations.
- **Coast Guard Vessels:** Ensures swift dissemination of instructions during search and rescue or patrol missions.
- **Paramilitary Ships:** Ideal for multi-purpose vessels supporting law enforcement, surveillance, and emergency response.

MBSRE:

- "Main Broadcast System for Naval Ships."
- "MBSRE for Coast Guard Vessels."
- "Sound Reproducing Equipment for Maritime Defense."
- "Marine Broadcast System for Paramilitary Ships."
- "Integrated Communication Systems for Ships."
- "Ship Alarm and Announcement Systems for Navy."
- "Durable Broadcast Solutions for Coast Guard Ships."
- "Emergency Broadcast System for Naval Operations."

Why MBSRE by UAVX Automation Pvt. Ltd. Stands Out

The MBSRE system by **UAVX Automation Pvt. Ltd.** provides a **mission-critical communication solution** tailored for defense and paramilitary maritime applications. Its robust design, advanced features, and unparalleled reliability make it the go-to choice for enhancing operational efficiency and safety onboard.

For **customized solutions** or further information, contact **UAVX Automation Pvt. Ltd.** today and revolutionize your ship's communication system!

Would you like assistance creating additional materials such as **diagrams, technical brochures, or webpage content**?

MBSRE System

Key Components:

1. **Central Control Unit (CCU):**
 - The **Central Control Unit (CCU)** from UAVX Automation is the core of the system, offering centralized control for PA announcements, alarm signals, and audio distribution. The unit is **CE certified, EMI/EMC compliant**, and manufactured using **best-in-class industry standards** to meet stringent military and maritime requirements.
2. **Amplifiers:**
 - Our **digital amplifiers**, built for military-grade reliability, provide high-performance audio output and are **class-certified** for marine environments. They offer consistent sound clarity and coverage across naval and maritime platforms, ensuring effective communication even under challenging conditions.
3. **Remote Volume Control Units:**
 - UAVX Automation's **remote volume control** units allow easy management of audio levels in various zones, offering flexibility and precision. These units are **EMI/EMC compliant**, ensuring minimal interference in sensitive environments.
4. **Loudspeakers:**
 - Our **horn and ceiling loudspeakers**, designed for both **military** and **commercial maritime** applications, are **CE certified** and weatherproof. They provide high-quality sound in high-noise environments and are ideal for emergency signaling and routine announcements.
5. **Tone Generators & Audio Equalizers:**
 - The **tone generators** and **audio equalizers** from UAVX Automation offer clear and distinct alarm signals, ensuring easy identification of emergency tones and messages, while meeting **EMI/EMC compliance** standards.
6. **Intercom System Integration:**
 - The integrated **intercom system** allows seamless communication across different areas of the vessel, ensuring that crucial messages are delivered promptly. Designed for **military-grade** applications, the system supports reliable and clear voice communication.
7. **Backup Power Supply:**
 - The **Uninterruptible Power Supply (UPS)** ensures uninterrupted operation of the entire MBSRE system during power interruptions, keeping communication and alarm functions active even in emergency scenarios.
8. **Communication Consoles:**
 - UAVX Automation's **communication consoles** allow operators to manage and control announcements, alarms, and broadcasts with ease. These consoles are **CE certified** and offer robust functionality to withstand the harsh conditions of naval and maritime environments.
9. **Alarm Systems:**
 - The **General Alarm (GA)** system delivers prompt emergency alerts throughout the vessel, and is integrated with **flashing beacons** for high-noise areas. The system is **class-certified** for marine applications, ensuring compliance with all safety regulations.

Features and Benefits:

- **Durability and Reliability:** UAVX Automation's MBSRE system is manufactured to **military-grade** standards, ensuring reliable and robust performance even in harsh maritime conditions. All components are produced using **best-in-class industry standards**, making the system **affordable yet effective** for a range of maritime applications.
- **Compliance:** The system is **CE certified** and **EMI/EMC compliant**, ensuring it meets international standards for electromagnetic compatibility and safety. It is also **class-certified** by major maritime classification societies, guaranteeing compliance with regulatory requirements.
- **Custom Solutions:** As part of our **turnkey projects**, UAVX Automation offers **customized solutions** to meet the specific needs of each vessel, ensuring that the system is perfectly suited to the operational and safety requirements of naval and maritime platforms.
- **Scalability:** The MBSRE system is highly scalable, allowing easy expansion to suit larger vessels or more complex setups. Additional amplifiers, loudspeakers, and remote control units can be integrated without compromising performance.
- **Seamless Integration:** Our system integrates smoothly with existing communication, safety, and navigation systems onboard, offering a unified solution for maritime communication and safety management.
- **Cost-Effective Solution:** Designed to be **affordable yet effective**, the MBSRE system offers high-performance features without compromising quality or safety, making it a cost-effective solution for naval and maritime operations.

The **MBSRE system, designed and manufactured by UAVX Automation Private Limited**, delivers a high-performance, customizable solution for naval and maritime platforms. With **class certification, CE certification, EMI/EMC compliance**, and **military-grade reliability**, our system ensures seamless communication, clear alarm systems, and reliable audio management in the toughest maritime environments. Whether for military or commercial applications, UAVX Automation provides the **turnkey projects** and **customized solutions** to meet your exact needs.