

# Land Mobile Radio System Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

<https://marketpublishers.com/r/LD73B8D3B646EN.html>

Date: November 2023

Pages: 148

Price: US\$ 2,499.00 (Single User License)

ID: LD73B8D3B646EN

## Abstracts

The global land mobile radio system market size reached US\$ 26.5 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 50.1 Billion by 2028, exhibiting a growth rate (CAGR) of 11.20% during 2022-2028.

Land mobile radio (LMR) system is a two-way wireless communication network used for critical communications by public safety organizations. It is widely used by terrestrial users to communicate with a base station. The systems consist of vehicle-mounted mobile radios, handheld portable radios, repeaters and network infrastructure. LMR systems offer interoperability among agencies, integrated voice and data services, spectral efficiency, enhanced compatibility with existing systems and trunked, conventional and secure communications. As a result, they find extensive application across various industries, such as construction, commercial, transportation, marine, defense and military.

### Land Mobile Radio System Market Trends:

Significant growth in the defense and aviation industries across the globe is one of the key factors creating a positive outlook for the market. LMR systems are widely used for seamless communications, sharing critical information and real-time data transmission for enhanced safety and productivity. Moreover, the shifting consumer preference from analog LMR systems to advanced digital variants that support both voice and data communications is providing a thrust to the market growth. These innovative solutions provide enhanced signal coverage, improved voice quality, radio capacity and extended battery life. Additionally, various technological advancements, such as the development of terrestrial trunked radio (TETRA) systems for emergency radio communications, are acting as other growth-inducing factors. These systems are used by paramedics, fire

departments, police forces and ambulatory service providers to communicate through public safety networks. In line with this, the rising demand for reliable and cost-effective LMRs among the masses is also contributing to the growth of the market. Other factors, including the widespread product adoption for commercial applications, along with the increasing demand for voice encryption for secure communications, are anticipated to drive the market toward growth.

#### Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global land mobile radio system market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, technology, frequency and application.

#### Breakup by Type:

- Base Station and Repeaters
- Handheld Portable Radio
- Vehicle Mounted Radio

#### Breakup by Technology:

- Analog Technology
- Digital Technology

#### Breakup by Frequency:

- 25 MHz–174 MHz (VHF)
- 450 MHz–512 MHz (UHF)
- 700 MHz and Above (SHF)

#### Breakup by Application:

- Defense and Public Safety
- Commercial
- Construction
- Transportation
- Others

#### Breakup by Region:

North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

#### Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being BK Technologies, Cisco Systems Inc., CODAN Limited, Hytera Communications Corporation Limited, JVC Kenwood Corporation, L3Harris Technologies Inc., Motorola Solutions Inc., Raytheon Technologies Corporation, Simoco Wireless Solutions, Tait Communications, TE Connectivity Ltd. and Thales Group.

#### Key Questions Answered in This Report:

How has the global land mobile radio system market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global land mobile radio system market?

What are the key regional markets?

- What is the breakup of the market based on the type?
- What is the breakup of the market based on the technology?
- What is the breakup of the market based on the frequency?
- What is the breakup of the market based on the application?
- What are the various stages in the value chain of the industry?
- What are the key driving factors and challenges in the industry?
- What is the structure of the global land mobile radio system market and who are the key players?
- What is the degree of competition in the industry?

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