

Land Mobile Radio Market by Technology (Analog, Digital- Terrestrial Trunked Radio (TETRA), Digital Mobile Radio (DMR), P25, Private Mobile Radio (PMR), NXDN, Tetrapol); Frequency (25-174 MHz, 200-512 MHz, 700 MHz & above) - Global Forecast to 2029

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Abstracts

The land mobile radio market is projected to grow from USD 17.60 billion in 2024 and is expected to reach USD 28.50 billion by 2029, growing at a CAGR of 10.1% from 2024 to 2029. Within police, fire and emergency medical services agencies there are land mobile radio systems (LMR) adopted for interoperability amongst themselves as well as with dispatch centers. They have a wide range that extends over long distances thus making them dependable. Furthermore LMR systems may be utilized in areas devoid of any mobile phone signal whatsoever or those with an erratic pattern of cell connectivity. Public safety departments are progressively employing these methods on the most essential lines of communication.

“The hand portable radio segment in the land mobile radio market to witness higher growth rate during the forecast period.”

Hand portable radios are widely utilized by safety officials and employees in sectors like building and power supply, providing ease of movement and comfort. Mobile communication devices on cars work during travel but portable ones provide both mobility and basic features. Instant messaging is facilitated through these hand-held radios which eliminates languidness hence facilitating issues targeted to all operators directly leading to workplace effectiveness increase.

“Market for digital radio in the land mobile radio market to hold the largest market share during the forecast period.”

Digital land mobile radio brings out unique aspects of conventional two-way radio systems including text messaging, telemetry and high quality transmission of data. They allow better utilization of radio spectrum by employing sophisticated techniques like time-division multiplexing (TDM) and frequency-division multiplexing (FDM). The major benefits accruing from using digital LMR are enhanced sound quality resulting from advanced error correction as well as noise suppression methods. Again, digital LMRs possess more room compared to their analog counterparts hence numerous users could share one channel at a time.

“The US is expected to hold the largest market size in the North America region during the forecast period.”

The growth is due to the many players in the US market and the government’s focus on meeting the increasing demand for land mobile radios which include advanced data services (LTE), group communications, 4th generation technology, as well as allocating high frequency bands for versatile operations.

In the US, major customers of LMR devices are government officials and their prime contractors who require high-level encryption solutions for military and commercial purposes. On both military and commercial sectors, safety personnel use various radio systems such as vehicle-mounted radios, handheld radios, or airborne radios that operate on different frequencies for voice and data communication.

By Company Type: Tier 1 – 15%, Tier 2 – 30%, and Tier 3 – 55%

By Designation: C-level Executives – 20%, Directors – 35%, and Others – 45%

By Region: North America – 30%, Europe – 20%, Asia Pacific – 30%, and RoW – 20%

Prominent players profiled in this report include Sepura Limited (UK), Motorola Solutions, Inc. (US), L3Harris Technologies, Inc. (US), JVCKENWOOD Corporation (Japan), Thales (France), Icom Inc. (Japan), BK Technologies (US), Hytera Communications Corporation Limited (China), Leonardo S.p.A. (Italy), and Codan Limited (Australia). Scottish Communications Group (UK), JNB Electronics PTY LTD. (Australia), Burk Technology (US), Anritsu (Japan), Midland Radio (US), Maxon America, Inc. (US), Helios (Australia), Retevis (China), Crescend Technologies, LLC3

(US), Viavi Solutions Inc. (US), Tait Communications (New Zealand), Simoco Wireless Solutions (UK), Entel Group (UK), Tera (US), and PierCon Solutions (US) are among a few other key companies in the land mobile radio market.

Report Coverage

The report defines, describes, and forecasts the land mobile radio market based on type, technology, frequency, application, and region. It provides detailed information regarding drivers, restraints, opportunities, and challenges influencing the growth of the land mobile radio market. It also analyzes competitive developments such as acquisitions, product launches, expansions, and actions carried out by the key players to grow in the market.

Reasons to Buy This Report

The report will help the market leaders/new entrants in the market with information on the closest approximations of the revenue for the overall land mobile radio market and the subsegments. The report will help stakeholders understand the competitive landscape and gain more insight to position their business better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key drivers, restraints, opportunities, and challenges.

The report will provide insights into the following pointers:

Analysis of key drivers (Increasing awareness of public safety) restraints (High cost of building land mobile radios)

opportunities (Requirement of voice encryption for secure communication), and challenges (Interoperability and integration issues) of the land mobile radio market.

Product development /Innovation: Detailed insights on upcoming technologies, research & development activities, and new product launches in the land mobile radio market.

Market Development: Comprehensive information about lucrative markets; the report analyses the land mobile radio market across various regions.

Market Diversification: Exhaustive information about new products launched, untapped geographies, recent developments, and investments in the land mobile radio market.

Competitive Assessment: In-depth assessment of market share, growth strategies, and offering of leading players like Sepura Limited (UK), Motorola Solutions, Inc. (US), L3Harris Technologies, Inc. (US), JVCKENWOOD Corporation (Japan), and Thales (France), among others in the land mobile radio market.

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