

North America Land Mobile Radio Market Size and Forecast (2021 - 2031), Global and Regional Share, Trend, and Growth Opportunity Analysis Report Coverage: By Type (Handheld and In-Vehicle), Technology (Analog and Digital), Frequency (25–174 VHF, 200–512 UHF, and 700 MHz and Above), and Application (Commercial, Industrial, Public Safety and Government, and Military)

<https://marketpublishers.com/r/N147DEDE50C4EN.html>

Date: May 2024

Pages: 100

Price: US\$ 3,550.00 (Single User License)

ID: N147DEDE50C4EN

Abstracts

The North America land mobile radio market size was valued at US\$ 5.64 billion by 2031 from US\$ 2.91 billion in 2023. The market is expected to register a CAGR of 8.6% during 2023–2031.

The rising cases of natural calamities, including hurricanes, earthquakes, wildfires, and floods, significantly propel the demand for reliable communication systems. In September 2023, according to the National Oceanic and Atmospheric Administration, the US endured a huge 23 separate weather and climate disasters that each led to at least US\$ 1 billion in damage. During such natural disasters, traditional communication infrastructures such as cellular networks and internet connectivity can often be disrupted due to damaged infrastructure or overload. In such situations, emergency responders, government agencies, and relief organizations heavily rely on land mobile radio systems for critical communications due to their ability to facilitate robust and resilient communications. In addition, land mobile radio devices operate on dedicated frequencies and infrastructure, providing a level of reliability and resilience that is crucial during emergencies. Unlike commercial cellular networks, land mobile radio networks are less prone to congestion and can continue to function even in areas with limited

connectivity infrastructure or power outages. Thus, the rising cases of natural calamities serve as a significant driver for the North America land mobile radio market growth.

The adoption of land mobile radio systems by the common people for various recreational activities, such as trekking and mountain expeditions, wherein communication is of utmost importance, is considered a future trend. The advantages of modern digital land mobile radio technologies include better voice quality, noise reduction, and enhanced security features. The evolution of technology would result in more interconnected land mobile radio devices with smartphones and other digital gadgets, thus providing additional functionalities such as GPS tracking emergency notifications as well as enhancing the safety and connectivity of outdoor enthusiasts. Outdoor enthusiasts prefer lightweight and compact outdoor gear. In response, land mobile radio device manufacturers are looking to provide rugged yet lightweight and portable radio systems that are suitable for trekking, hiking, and other outdoor adventures. Land mobile radio systems may also feature inbuilt mesh networking, allowing devices to relay signals to extend network coverage. As technology advances and becomes more widespread, the cost of land mobile radio devices is likely to decrease in the coming years, making them more accessible for common people and outdoor enthusiasts. Thus, a greater shift toward digital land mobile radio solutions among trekking and outdoor activity enthusiasts is expected to bring new growth trends in the North America land mobile radio market in the future.

North America Land Mobile Radio Market Segments:

The North America land mobile radio market analysis has been carried out by considering the following segments: type, technology, frequency, and application. Based on type, the market is bifurcated into handheld and in-vehicle. On the basis of technology, the market is segmented into analog and digital. In the digital technology, the market is segmented into TETRA, DMR, P25, and others. Based on frequency, the market is segmented into 25–174 VHF, 200–512 UHF, and 700 MHz and above. On the basis of application, the market is segmented into commercial, industrial, public safety and government, and military. The report includes growth prospects in light of current North America land mobile radio market trends and driving factors influencing the market growth.

In 2023, US has led the market with highest North America land mobile radio market share.

North America Land Mobile Radio Market Competitive Landscape and Key Developments

The North America land mobile radio market report covers the company profiling of major players such as L3Harris Technologies Inc, Motorola Solutions Inc, Tait Communications Ltd, Thales SA, Simoco Wireless Solutions Ltd, JVCCKENWOOD Corp, BK Technologies Corp, Hytera Communications Corp Ltd, Icom Inc, and Sepura Ltd. Several other essential North America land mobile radio market players were analyzed to get a holistic view of the market and its ecosystem. The North America land mobile radio market forecast can help stakeholders plan their growth strategies.

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