

FEATURES

- Multi-source content player
- Streaming via Spotify Connect, Amazon Music and Deezer
- Reception of more than 50,000 Internet radio stations
- Integrated FM and DAB/DAB+ tuner
- MP3 audio player with USB 2.0 Type-A interface for USB sticks
- Bluetooth 5.0 standard for streaming and control
- Compatible with free UNDOK Remote app (iOS/Android)
- Internet connection via LAN and WLAN (2.4 GHz & 5 GHz)
- Large 2.4" colour display
- Remote control included

DESCRIPTION

Whether in bars and restaurants, in fitness studios, in houses of worship or in offices and warehouses – every permanently installed sound system needs individual content that can be played back as flexibly as possible. With the RSMP, LD Systems has an all-in-one media player in its portfolio that covers a multitude of sources and gives users every freedom in content management.

The LD Systems RSMP is a universal media player for permanently installed sound reinforcement solutions and combines an integrated FM, DAB and DAB+ tuner, Spotify, Amazon Music and Deezer streaming, Internet radio as well as a USB media player for playing MP3 files via a USB stick – and all this in an extremely compact housing that requires only a third of the width of a 19" rack (1U). An optional rack tray allows three RSMPs to be placed side by side in the rack to save space. Even more flexibility is provided by the rubber feet supplied for table use and the other accessories for mounting on the wall or under a tabletop.

The Internet Radio Module enables worldwide reception of more than 50,000 Internet radio stations. The connection to the Internet is established either via LAN port or dualband WLAN (2.4 GHz and 5 GHz). An FM and a DAB+ tuner are available for the playback of conventional radio programmes.

Maximum content freedom for music and podcasts is provided by compatibility with the streaming services of Spotify, Amazon Music and Deezer. The use of the Bluetooth 5.0 radio standard ensures secure transmissions and long ranges when streaming. The integrated MP3 music player with USB-A 2.0 interface is also suitable as a local playout option in places where no internet connectivity is available, or there is no radio coverage.

For convenient content selection, the RSMP Radio Streaming Media Player provides independent preset storage locations for Internet Radio/Podcast, FM, DAB+, Spotify and Amazon Music. In addition, the combination of a large 2.4" colour display, quick access buttons and rotary controls makes configuration on the unit quick and easy. Using the free UNDOK app from Frontier Smart Technologies (iOS & Android), the RSMP can also be conveniently controlled via a smartphone or tablet, including source and media selection. In parallel, the RSMP is supplied with an infrared remote control.

SPECIFICATIONS

Product number:	LDRSMP
Product type	Installation Media Player
Audio modes	Audio Streaming services, Bluetooth Audio Receiver, DAB/DAB+, FM Radio, Internet Radio, USB Player (.mp3)
Outputs	1
Output type	Balanced stereo line signal
Bluetooth Standard	5.0
Cooling	Convection
Line Output	
Number of output connectors	2
Connection type	3-pin terminal block, Pitch 3.81 mm, RJ45



Product number:	LDRSMP
Max. output level	13 dBu
Frequency response (-1 dB)	20 – 20000 Hz
Network	
Connection type	3-pin terminal block, Pitch 3.81 mm, RJ45
Wireless	Wi-Fi 802.11a/b/g/n (2.4GHz and 5GHz bands)
WLAN security	WEP, WPA, WPA2, WPS
Remote	
Transmission technology	Infrared
Battery type	CR2025
Display	
Type	2.4" TFT Colour 320 x 240
Power Supply	
Mains connector	SMPS
Operating voltage	100 VAC – 240 VAC (±10%), 50–60 Hz
Power supply plugs	Type A – USA/Canada, Type C – EU, Type G – UK, Type I – Australia
Power Supply Secondary	24 V DC / 500 mA
Max. Power consumption	4 W
Idle power consumption	0.03 W
Power Consumption @ Standby	2.5 W
General data	
Housing material	Steel
Dimensions (W x H x D) (height with rubber feet)	143 x 54 x 235 mm
Rack height	1 HE
Operating Temperature	0°C – 40 °C
Max. operating Humidity (non condensing)	85 %
Weight	0.9 kg
Accessories (included)	External power supply with interchangeable plugs, FM /DAB antenna, IR Remote Control, Mounting plates for surface mount applications, Wifi antenna

ARCHITECT & ENGINEER'S SPECIFICATIONS

The audio source shall be a professional radio streamer and media player that offers an intuitive solution for any commercial, residential, or office audio system requiring background music or audio content services.

It shall support FM RDS, DAB+ tuner, internet radio, podcast, Spotify connect, Amazon Music, and Deezer music streaming services, as well as Bluetooth 5.0 and USB media player interface. The internet radio streaming function shall support global reception of over 50k radio stations and over 100k podcast episodes. It shall feature a station search menu, including various navigation categories (Location, Popular, Discover or direct search via keywords).

An internal memory shall offer storage up to 40 presets each for Internet Radio/podcast, FM and DAB+ modes, up to 10 presets for Spotify connect, and 8 presets for Amazon Music, allowing for a quick and easy preset recall process. The audio source shall feature 2 configurable alarms that make use of those presets and allow to schedule the playout of Internet radio, FM or DAB+ stations with specific volume and versatile repetition options.

Bluetooth 5.0 connectivity shall be available for media streaming and control from all compatible Bluetooth Smart devices.

The audio source shall have the ability to play MP3 media files from a connected USB flash drive.

The front panel shall contain a 2,4" TFT full colour display together with a rotary push encoder and 6 direct access buttons for intuitive operation. Additionally, an infrared remote control shall be included for more comprehensive control options. App control for iOS and Android smart devices shall be provided by a free UNDOKTM app from Frontier Silicon.

The audio source output shall meet the following performance specifications: frequency response shall extend from 20 Hz - 20kHz; Output level shall be up to 13 dBu; THD+N shall be no greater than 0,05% @ 1kHz; Output noise Level shall be no greater than -105 dBu / A-Weighted.

The network connectivity shall be implemented using either LAN via RJ45 connector or dual band WLAN (2.4 GHz and 5 GHz).

The audio output shall be a balanced stereo line output connected through two 3-pin terminal block connectors.

Power Consumption shall not be greater than 4W. Power supply shall be via an external SMPS with 24VDC / 500mA.

A detachable Wifi/BT antenna with SMA connector, and a detachable FM / DAB+ antenna with F-type threaded connector shall be included.

The Chassis shall be a very compact 1/3 rack chassis (1RU), and shall include rubber feet for desktop mount applications, as well as two mounting plates for surface mount applications (under desk, wall mount). An optional rack mount tray shall also be available to combine up to three devices in 1 RU.

The housing shall be in black color. Dimensions shall be 143 x 54 x 235 mm (height with rubber feet), weight shall be 0,9kg. Operating temperature shall be 0°C to 40°C; less than 85% humidity, non condensing.

The audio source shall be the LD Systems RSMP.

TECHNICAL DRAWINGS

Scale 1: 5

