

# ROVING RADIO MICROPHONE TRANSMITTER



## OVERVIEW

The RPA01 Roving PA Radio Microphone Transmitter is a multi-channel UHF handheld microphone, which is designed to work with ASL range of the Radio Microphone Receiver. The receivers are typically installed within the ASL Station Announcement Points and used for making remote announcements to station platforms.

The unit incorporates an internal aerial and microphone, and has ten selectable channels. The unit features a LCD display to show the selected channel number and the battery level. This Radio Microphone has excellent microphone acoustics, and its front facing microphone gives low susceptibility to acoustic feedback. It also generates a non-standard pilot tone frequency that gates the ASL RMR01/RMR02 Radio Microphone Receivers, to prevent announcements from non authorised transmitters from being heard.

This lightweight and strong Radio Microphone has large PTT and channel selection buttons, and a symmetrical design, which provides the operator with ergonomic comfort, and easy operation, even while wearing gloves. Strength is ensured by a robust plastic enclosure, and a protective rubber edge strip, which also provides the unit with impact resistance and good water ingress protection. The unit uses a built-in Lithium Polymer rechargeable battery. This is an advanced battery technology which provides low weight and long run times. A fully charged battery generally lasts for up to 7 hours of continuous talk time, which translates to several days of normal operational use. The RCS01 4-bay RPA Transmitter Charging Station is available, and can be ordered separately if required.

The Radio Microphone Transmitter is supplied with belt clip with lanyard fixing as standard. The standard lanyard is suitable for rail and general transport use, having breakaway links to ensure that the user is not injured if the microphone is trapped in moving equipment. The belt clip can be removed by replacing the standard rear plate with a rear plate without belt clip, which is also supplied with the RPA01.

For further details, and for information on other products, please visit

[www.asl-control.co.uk](http://www.asl-control.co.uk)

## TECHNICAL SPECIFICATION

### General

Effective Radiating Power (EIRP) .....	10 mW
Audio Frequency Response .....	200 Hz – 10 kHz
Antenna .....	Internal dipole
Grid Spacing .....	25 kHz
Operating Frequency .....	10 frequencies in the Channel 70 Licence free band selectable by internal rotary switch
.....	Frequencies available from ASL on request
Pilot Tone Frequency .....	Non-standard
Compatible Hardware .....	RMR01/RMR02 Radio Microphone Receivers and RRM02 Remote Radio Microphone Receiver
<b>Battery</b>	
Type .....	VARTA EasyPack 550
Talk Time .....	Up to 7 hours
Type .....	Built in Lithium polymer
Life Time .....	Up to 3 years
Life Cycle .....	>1000
Self-discharge .....	5% per month (less after first month)
Format .....	Plastic case and rubber buttons
Colour .....	Grey case, black buttons and rubber strip
Lanyard .....	Breakaway links 8 mm width x 240 mm length ribbon (approx.)

### Environmental

Temperature (Storage and Operating) .....	5 °C to +50 °C
Humidity Range .....	0% to 93% non-condensing

### Safety and EMC

Radio Type Approval .....	EN 300 422-1:v1.2.2, EN 300 422-2:v1.1.1
EMC .....	EN 301 489-9:v1.3.1, EN 301 489-1:v 1.6.1, EN 50121-4:2006, ENV 50204:1995
Safety .....	EN60065:2002

### Dimensions and Weight

Dimensions (H x W x D) .....	141mm x 65 mm x 39 mm (including belt clip)
Weight .....	166 g

**CE** This equipment is designed and manufactured to conform to the following EU Directives:  
 Restriction of Hazardous Substances (RoHS): 2011/65/EU & 2015/863/EU  
 Low Voltage: 2014/35/EU  
 Electromagnetic Compatibility (EMC): 2014/30/EU

Manufacturer:

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Assessed to ISO 9001  
LPCB Cert No: C1043



Assessed to ISO 14001  
LPCB Cert No: C1043EMS