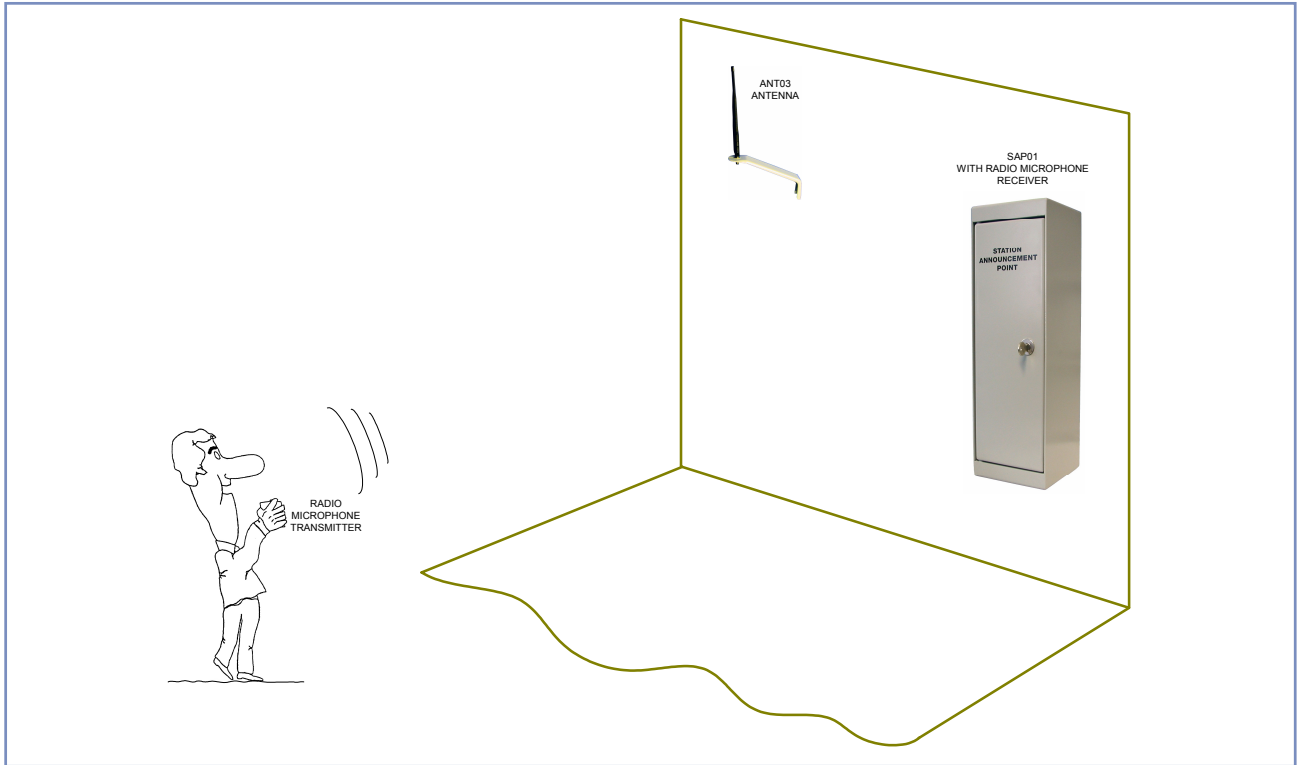


The ANT03 is a straight quarter wave whip radio microphone antenna. It is suitable for 840–875 MHz applications, such as the Radio Microphone Receiver. The Radio Microphone Receiver can optionally be fitted within the ASL SAP01 or SAP02 Station Announcement Points to enable remote announcements to be made from a Radio Microphone.

It is supplied with a bracket for wall or ceiling mounting.

For further details, and for information on other products, please visit www.asl-control.co.uk.

APPLICATION DIAGRAM



SPECIFICATION

General

Frequency	840–875 MHz
Bandwidth	±35 MHz
Impedance	50 Ω
VSWR	below 1.5:1
Polarisation	Vertical
Connector.....	TNC type, male
Antenna material	Flexible plastic
Colour (antenna)	Black
Colour (bracket)	Agate Grey RAL7038

Cable Length¹

RG58 (or similar standard 50R cable).....	10 m Max. ²
RG213 (or similar low loss 50R cable).....	30 m Max. ²

¹ Ideally any factor of 0.352 m

² Care must be taken in the design of any radio microphone antenna and receiver system in order to maximise the system performance. Major factors which affect the system performance include the antenna type and positioning, cable type and length, cable installation, and the receiver and transmitter performance. Antennae should preferably be positioned in clear sight of the intended transmitter locations, away from large metal objects, and away from electronic systems which may interfere with the signal, such as public information displays. It is recommended that low loss cabling be used. The maximum cable length is a factor of the installation, however it is recommended that the lengths given above are a guideline for a system using ASL products and in which all other variables are optimised. If longer cable runs are required then solutions such as antenna amplification and/or multiple receivers should be considered.

Dimensions and Weight

Antenna

Length.....	242 mm
Weight.....	36 g

Bracket

Dimensions (W x L)....	max-48 mm min-35 mm x 244 mm
Weight.....	90 g

Environmental

Temperature (storage and operating) ... -30 °C to +85 °C

Manufacturer

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