



infinityloop

audio frequency  
induction loop systems

## Room Loop – Large area

### Infinity Room Loop (portable or fixed)

Fully compliant with EN60118-4

The **Infinity** has been designed for quick and easy set up of small, medium and large rooms or auditoria, for lecture or recreational purposes, to assist both hearing aid wearers and others where public address is required.

**Infinity** is a fully portable system housed in a flight case for ease of movement.

The **Infinity** series are Induction Loop Amplifiers, which can be configured with a variety of hand-held, boundary and radio microphones, together with radio wireless speakers if required. Any number of wireless speakers may be added to cope with larger rooms. No degradation of sound quality will occur.

**Infinity** has a variety of sound inputs to enable connections from TVs, video, DVD, Hi-Fi and multi-media systems, whilst line level audio outputs provide connectivity to auxiliary sound distribution amplifiers, tape decks etc.

### Configuration & Options

**Infinity** is supplied as standard with a dynamic hand-held microphone (with a 5m lead) and a portable, retractable Loop Reel for coverage up to 156m<sup>2</sup>. Customers can configure their **Infinity** according to their own requirements.

Options include: **wireless microphones** (tie-clip or hand-held), **boundary microphones** for audience or delegate participation, **wireless speakers** for sound reinforcement in larger venues. Contact Vivid Acoustics for further information or to discuss your specific requirements.

Area coverage:	Square	up to 500m <sup>2</sup> (22.4m x 22.4m)
	Rectangular	up to 800m <sup>2</sup> (20.0m x 40.0m)
Audio inputs and outputs:	5 mic inputs (3 external 2 internal), 2 line inputs, 2 line outputs	
Phantom power:	9V @ < 1mA for electret condenser microphones	
Frequency response:	Flat frequency response <100Hz to >5kHz (exceeds the requirements of EN60118-4 and BS 7594: 1993)	
Supply voltage:	220 / 230 / 240Vac 50Hz	
Connections:	Live, neutral and earth, via an IEC socket	
Internal fuse:	1.25A anti-surge 20mm	
Input power:	< 120VA	

# Infinity Specifications

<b>Microphone Inputs</b>	<b>External mic inputs, Quantity = 3</b>	<b>Internal mic inputs, Quantity = 2</b>
<b>Input type:</b>	Unbalanced	Unbalanced
<b>Connector type:</b>	¼" mono jack	Phono
<b>Connections:</b>	Tip positive, ring ground	Centre positive, screen ground
<b>Phantom power:</b>	9V @ < 1mA	N/A
<b>Sensitivity:</b>	0.7mV <sub>RMS</sub> to 10mV <sub>RMS</sub>	0.7mV <sub>RMS</sub> to 10mV <sub>RMS</sub>
<b>Comment:</b>	Used for boundary mic, dynamic mic etc, or for externally mounted radio microphones	Used for connection of optional radio microphones which are mounted inside the housing

<b>Line Level Inputs</b>	<b>Quantity = 2</b>
<b>Input type:</b>	Unbalanced
<b>Connector type:</b>	Phono
<b>Connections:</b>	Centre positive, screen ground
<b>Line sensitivity:</b>	250mV <sub>RMS</sub> to 1V <sub>RMS</sub>
<b>Comment:</b>	Used for inputs from CD player, TV, Hi-Fi, PA etc

<b>Line Level Outputs</b>	<b>Quantity = 2</b>
<b>Output type:</b>	Unbalanced
<b>Connector type:</b>	Phono
<b>Connections:</b>	Centre positive, screen ground
<b>Comment:</b>	Used for connection to distribution amplifiers, tape recorders etc

<b>Loop Output</b>	
<b>Output type:</b>	Current driven
<b>Connector type:</b>	4mm banana plug or 2-pole Speakon connector (both fitted)
<b>Loop resistance:</b>	0.5Ω to 2.0Ω
<b>Loop drive current:</b>	4.0A <sub>RMS</sub> average, 14.0A <sub>RMS</sub> peak (125ms into 0.5Ω)
<b>Loop area coverage:</b>	Square up to 500m <sup>2</sup> , Rectangular 800m <sup>2</sup> (2:1 aspect ratio)
<b>Loop cable:</b>	1.0mm <sup>2</sup> to 2.5mm <sup>2</sup> tri-rated
<b>Frequency response:</b>	<100Hz to >5kHz
<b>Protection:</b>	Over-current, over-temperature
<b>PCB mounted fuses:</b>	F1 and F2, 4A time-lag 20mm
<b>Indicators:</b>	Loop current via 4 LED bargraph, over-temperature fault LED
<b>Level adjustment:</b>	Via recessed control in front panel

<b>General Information</b>	
<b>Dimensions:</b>	460mm x 350mm x 160mm
<b>Mounting:</b>	Flight case - portable
<b>Weight:</b>	6.5kg
<b>Environmental:</b>	For indoor use only – keep unit dry
<b>Operating temp:</b>	0°C to +35°C (Unit capability is de-rated as temperature increases)
<b>Storage temp:</b>	-20°C to + 70°C

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