

Lingua RAD_H

Lingua Digital Infrared Radiator (6/12/40 channels)



Description

The Lingua RAD_H is a high power (25 W) radiator used to emit infrared signals throughout a conference room to enable delegates to listen to the speaker in their native tongue.

The radiator has been built to be as small and light as possible, making it perfect for quick & mobile installations. Additionally, its automatic Delay Line Compensation makes it easy to work with cable lengths: differences in cable length are compensated for automatically. A VESA 100 mount at the back makes installations flexible.

Crystal-clear Coverage Everywhere

The Lingua R complies with IEC 61603-7 and IEC 60914 standards, which means it can be used with other, standards-compliant equipment. Depending on the size of the venue, one or more radiators will distribute the audio signals to the IR receivers (6/12/40 channels). Up to 20 radiators can be connected in daisy chain on one HF output of the Lingua transmitter.

By transmitting at a frequency from 2 to 10 MHz, the digital system is immune to interference from high-frequency lighting systems. Finally, the Lingua RAD_H's

adjustable radiation angles ensure a maximum coverage.

Smart & Energy-efficient

The Lingua radiator automatically follows the state of the Lingua transmitter: it goes to standby if there is no signal from the transmitter. A temperature protection system switches the radiator off in case the temperature becomes too high. When used in smaller conference rooms, the Lingua radiator can be switched to half power.

No Dead Spots

In traditional language distribution systems with multi-radiator setups, cables of different lengths resulted in dead spots. Automatic Delay Line Compensation prevents this phenomenon and also eliminates the hassle of manually configuring each radiator and instead offers a plug & play solution. Even if the configuration changes last minute. Instead, Automatic Delay Line Compensation saves time and effort by automatically calculating the required compensation needed in multi Lingua radiator setups.

Up & Running in No Time

The Lingua radiator is also lighter and smaller than traditional, bulky radiators still offering the same coverage. The way radiators need to be mounted varies from venue to venue. Therefore, a standard VESA 100 mount option has been chosen as fixing method, providing a multitude of options to mount the radiators. A safety eye is also included to fasten the Lingua Radiator with maximum security. All this results in a perfect solution for quick and mobile installs, where setup times are essential.

Benefits

- » Energy-efficient
- » Wide coverage
- » Easy mounting
- » Set up in no time
- » Safety eye

Features

- » Covers up to 2400m² (one carrier, 4 channels)
- » Supports Lingua R6, R12, R40
- » Status indication (power, signal input, temperature protection, failure)
- » VESA 100 mount installation
- » Automatic Delay Line Compensation
- » Automatic gain control to compensate for signal loss
- » Possibility to set the power mode of individual radiators
- » Automatic IR on/off with transmitter
- » Temperature protection
- » Advanced monitoring and diagnostic functionality through transmitters web browser. Temperature, received delay compensation, power mode, and more.

Connectivity

- » 2 BNC connectors 75 Ohm
 - » Connected to Lingua RAD_H
 - » Connected to Lingua T
- » Mains input

Certification

Region	Certification
Europe	CE
World	IEC61603-7 IEC60914 IEC62471

Specifications

Mechanical	
Material	Steel
Color	RAL9011
Size (mm)	450 (w) × 172 (h) × 80 (d)
Size packed (mm)	525 (w) × 260 (h) × 150 (d)
Weight	3265 g
Weight packed	3980 g
Mounting	VESA 100
Electrical	
Mains voltage	~125/230V (50-60Hz)
Max. Power consumption	150 W
Standby Power Consumption	10 W
HF Input	Nominal 1 Vtt
Angle of half-sensitivity	± 22°
Environmental	
Operating temperature	0 – 45°C
Storage and transport temperature	-20 – 70°C
Humidity	<95%, >5%