71.98.0215

Lingua T

Lingua Digital Infrared Transmitter

Description

The Lingua IR Transmitter is the heart of the digital infrared language distribution system and complies with IEC 61603-7 and IEC 60914 standards, allowing you to work with other standards-compliant equipment. It has been built for user-friendly configuration without the need for in-depth knowledge of the IR spectrum.

Digital Audio for Up to 40 Channels

Unlike other IR language distribution systems audio is not injected through analog audio interfacing, but through a redundant Dante™ network, a digital networked audio interface. It creates an end to end digital system if combined with the Plixus conference system. It also makes the transmitter independent of the number of channels the system needs to support. Out of the box, 6 channels are available but the transmitter can be licensed for a higher channel count: up to 12 or 40 channels.

Fine-grained Web Server Configuration

The Lingua T permits complete configuration and setup through a web server.

Flexible Channel Identification

Each of the audio channels can be assigned a language ISO code for easy identification. If necessary, language names can be easily adjusted.

Ample Outputs

The Lingua transmitter has four BNC output connectors to provide a signal to the Lingua radiator(s). Each output can drive up to 20 Lingua radiators with a maximum cable length of 900 m.

Automatic Delay Line Compensation

Lingua T features a patented Automatic Delay Line Compensation system to make setup hassle-free.
The web server allows you to automatically configure radiators without the need to change settings on every radiatior itself. As a result, you don not need to use the same cable lenghts between radiators in order to prevent delay line compensation.

Channel Override Modes

Before a meeting or during breaks music can be distributed to all channels. The override with the audio injected on the XLR L input can be activated through webserver or dry contact. When the transmitter is connected to an emergency system that becomes active the injected alarm signal will be broadcast to all channels.

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Testing & Debugging

The built-in infrared emitters for audio monitoring and test generator are useful features for system setup and

debugging. The web server provides possibilities to identify the topology of the radiators. Furthermore it is possible to activate different modes to show information on the radiators status LEDs, the connected port on the transmitter and number in the branch, the received delay compensation value, and even the power state value.

From the web server it is also possible to adjust the power levels of radiators, tune the delay compensation values or adapt power modes.

In order not to distract the audience in the room there is a possibility to switch off status LEDs on the radiators

Worry-free Setup

The system automatically assigns IR bands in the most efficient way without the need for in-depth knowledge. The Lingua T even allows you to indicate which bands not to use in order to prevent interference from, e.g. IR microphones.

Benefits

- Dante™ interface (redundant)
- Independent of channel number (up to 12 or 40 audio channels) with 6 standard channels. Upgrades possible through a different license:

  71.98.0216 **Lingua L12**
  License upgrade to 12 channels

  71.98.0218 **Lingua L40**
  License upgrade to 40 channels

- Slim & lightweight: saves rack space (1U)
- Easy configuration, including testing and debugging
- Set up in no time: plug & play
- Automatic delay line compensation

Features

- On/Off switch
- Possibility to connect headphones
- Assign language name to each audio channel (automatic ISO code assignment)
- Emergency signal override mode
- Music override mode
- Build-in emitter for audio monitoring

Connectivity

- Dante™
- Ethernet for web server access
- Power connection
- 3.5 mm stereo headphone connection
- Factory reset button
- 2 XLR inputs with status LEDs
- Phoenix Printed-circuit board connector - MC 1,5/ 4-STF-3,81 - 1827729 for music & emergency

Certification

Region	Certification
Europe	CE
World	IEC61603-7, IEC60914

Specifications

Mechanical	
Material	Steel
Color	RAL9011
Size (mm)	483 (w) × 44 (h) × 190 (d) 1U × 190 (d), without feet
Size packed (mm)	570 (w) × 140 (h) × 260 (d)
Weight	2850 g
Weight packed	3660 g
Electrical	
Mains voltage	~125/230V (50-60Hz)
Max. Power consumption	50 W
Cable to radiator	RG59 (75 Ω)
Headphone Output	32 Ω
HF Output	1 Vtt, 6 V DC, 75 Ω
Fuse	T2AL / 250V
Environmental	
Operating temperature	0 – 45°C
Storage and transport temperature	-20 – 70°C
Humidity	<95%, >5%

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