

Aladdin

Accurate Language Distribution through Digital Infrared





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Aladdin T8

8 CHANNEL DIGITAL INFRARED TRANSMITTER

Art. 71.98.0211



Aladdin T8

Description

The Aladdin 8 channel IR transmitter is the heart of a Infrared language distribution system and is compliant to the IEC 61603-7 and IEC 60914 standard. This means it can be used with other equipment compliant to these standards.

The 8 RCA phono plugs, inserting external asymmetrical audio signals, are modulated and transmitted to the radiator(s) in the conference room.

Sensitivity of each input can be adjusted enabling fine tuning of audio levels.

Each of the audio channels can be assigned with a language name for easy identification.

The radiator has four BNC output connectors providing signal to the radiator(s). Each output can drive up to 30 radiators with a maximum cable length of 900m.

In bypass mode the BNC input connector takes signals from another transmitter allowing multiple rooms to be used.

Activating the auxiliary mode during breaks will provide music to all channels.

When the transmitter is connected to an emergency system that becomes active, an alarm signal will be fed to all channels.

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

Controls and Features

- On/Off switch
- Configuration via LCD display
- Language name assignment for each audio channel
- Adjustable input sensitivity
- Bypass mode allowing multi room configurations
- Emergency signal interface
- Music mode
- Build-in emmitter for audio monitoring

Connectivity

- 4 BNC outputs
- 1 BNC input
- 2 XLR M inputs
- 8 RCA phono connectors
- Emergency switch

Accessories

- Analog output panel
AOP5500/9 71.61.5515
- Analog output panel
AOP2500 71.60.1020

Specifications

Technical Data	
Standard	IEC61603-7 and IEC60914
Headphone load impedance	> 32 ohm < 2k ohm
HF input	nominal 1 V pp minimum 10 mVpp, 50 Ohm
HF output	1Vpp, 6V DC, 50 Ohm
Asymmetrical inputs	-6 to +6 dBV nominal
Symmetrical inputs	+6 to +18 dBV nominal
Mains Voltage	110-230V AC 50-60 Hz
Power consumption	55 W nominal 29 W standby
Dimensions (mm)	430(w), 99(h), 325 (d)
Weight (g)	7500
Color	Black
Part number	Aladdin T8 71.98.0211

Aladdin RAD25

25W DIGITAL INFRARED RADIATOR

Art. 71.98.0221



Aladdin RAD25

Description

The Aladdin RAD25 is a high power (25W) radiator used to emit infrared signals throughout a conference room enabling delegates of the meeting to listen to the speaker in their native tongue.

Depending on the size of the room one or more radiators will distribute the audio signals to the IR receivers. Up to 30 radiators can be connected in daisy chain on one HF output of the Aladdin T8 transmitter.

Transmitting at a frequency from 2 to 8 MHz the system is immune to interference from high frequency lighting systems.

Adjustable radiation angles ensures a maximum coverage.

The radiator automatically follows the state of the transmitter. A temperature protection system switches the radiator from full to half power or off in case the temperature becomes too high.

Automatic gain control ensures a maximum transmission efficiency compensating the attenuation of the used cables.

Differences in cable lengths between transmitters and radiators are compensated with the delay switch.

When used in smaller conference rooms the radiator can be switched to half power.

Controls and Features

- Status indication (power, signal input, temperature protection, failure)
- Fixed or tripod installation
- Delay compensation switch
- Automatic gain control
- Half power switch
- Automatic power on/off with transmitter
- Temperature control

Connectivity

- 1 BNC input
- 1 BNC output
- Mains input

Specifications

Technical Data	
Standard	IEC61603-7 and IEC60914
HF input	nominal 1Vpp minimum 10 mVpp, 50 Ohm
HF output	1Vpp, 6V DC, 50 Ohm
Mains Voltage	110-230V AC 50-60 Hz
Power consumption	75 W nominal 8 W standby
Dimensions (mm)	450(w), 245(h), 145 (d)
Weight (g)	5000
Color	White
Part number	Aladdin RAD25 71.98.0221

Aladdin R8

8 CHANNEL DIGITAL INFRARED RECEIVER

Art. 71.98.0202



Aladdin R8

Controls and Features

- Channel Up / Down buttons
- Volume Up / Down buttons
- On / Off button
- LCD display indicating :
 - Channel number
 - Language
 - Volume bar
 - Battery status indication
 - Reception status indicator
- Operates on 2 x AA alkaline disposable batteries (not included) or Ni-MH rechargeable battery pack (not included)
- Standby mode when no headphone connected
- Audio muted when received signal is too low
- Pocket clip

Description

The lightweight and ergonomically designed pocket receiver is able to receive up to 8 languages.

It is compliant to the IEC 61603-7 and IEC 60914 standard which means it can be used with other equipment compliant to these standards.

A large LCD display informs the user with the channel number, language name, volume, battery and reception indication.

The receiver can be powered via the rechargeable Ni-MH battery pack with an autonomy of about 52 hours. Using disposal alkaline AA batteries the autonomy can go up to 70h.

A built-in recharge circuitry increases the lifetime of the battery.

To save on battery consumption the receiver is switched off when the headphone is disconnected.

When the received signal becomes too low the audio is muted. If the receiver doesn't receive any valid IR signal for more than 1 min it switches automatically to standby state.

The 270° wide reception angle and built-in error correction ensures a crystal clear sound, even when casually placed.

Reception is not influenced by high frequency lighting and stays even optimal used in bright sunlight.

The reception test mode can be used for easy checking of the radiator coverage.

Connectivity

- 3.5 mm jack plug for headphones
- Battery pack connector
- Battery contacts for use with AA alkaline batteries
- Charging contacts

Specifications

Technical Data	
Standard	IEC61603-7 and IEC60914
Headphone load impedance	> 32 ohm < 2k ohm
Headphone output level at 2.4V	450 mVrms / 32 ohm
IR irradiance level	4 mW/m ² per carrier
Angle of sensitivity	270°
Max. signal to noise ratio	> 80 dB
Power Supply	Ni-MH Battery pack or 2 x AA alkaline
Power consumption	35 mA nominal < 3 mA standby
Dimensions (mm)	46(w), 155(h), 24(d)
Weight excl. battery (g)	80
Weight incl. battery (g)	135
Color	Black
Part number	Aladdin R8 71.98.0202

Accessories

- Battery pack Aladdin BP 71.98.0230
- Charging Case Aladdin CHC 71.98.0231
- Headphones TEL151 71.04.0151

Aladdin BP

Ni-MH BATTERY PACK

Art. 71.98.0230



Aladdin BP

Description

Ni-MH battery pack for use with the Aladdin pocket receiver. The battery pack is equipped with a temperature sensor to prevent overheating during the charging process. The autonomy of a fully loaded battery pack is about 52h.

Connectivity

- Power connector

Specifications

Technical Data	
Output voltage (V)	2.4
Capacity	2000 mAh
Authonomy	52 h
Dimensions (mm)	49(w), 29(h), 14,5 (d)
Weight (g)	55
Part number	Aladdin BP 71.98.0230

Aladdin CHC 60 pcs

IR RECEIVER CHARGING CASE

Art. 71.98.0232



Aladdin CHC 60 pcs

Description

The Aladdin CHC charging case can charge up to 60 IR receiver units at once.

Charging an empty battery takes about 2 hours.

Connectivity

- Mains connector
- On / Off switch

Specifications

Technical Data	
Mains Voltage	110-240V AC 50-60 Hz
Power consumption	125 W
Dimensions (mm)	610(w), 405(h), 260 (d)
Weight (g) excl. receivers	14.500
Color	Black
Part number	Aladdin CHC 60 pcs 71.98.0232