

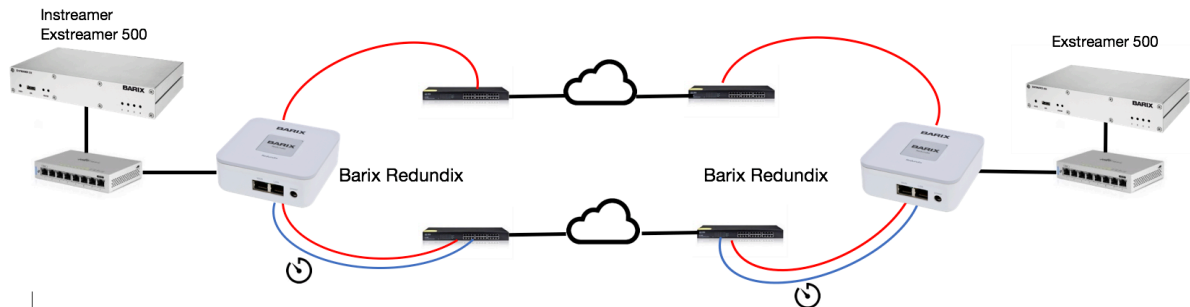
BARIX

REDUNDIX

Redundix improves audio quality by adding error resilience to IP-based studio to transmitter STL and other RTP based audio links.



Redundix adds resilience to IP-based transport by either time-delaying two streams on the same network or sending a redundant stream over a separate path. On the receiving side, Redundix repairs lost packets in the stream caused by transport network imperfections using the time or path redundant streams. The result is better audio quality because lost packets are replaced, and audible imperfections are significantly reduced.



Redundix is a device that is performing as Redundix transmitter and a second unit as Redundix receiver. Redundix is codec independent and can be deployed as extension to an existing encoder/decoder RTP setup, protecting investments and reducing cost.

Applications

- Studio to transmitter link (STL)
- Studio to studio links
- Audio contribution
- Works with most existing RTP based encoder/decoder setups (including non-Barix solutions)

Features

- Relia Time adding temporal redundancy to an RTP based link
- Relia Duet adding path redundancy to an RTP based link
- Automatic repair of lost data on the receiver side, where possible
- Device configuration via web interface
- Wired and wireless interface support
- Small form factor
- 2-year warranty
- Developed in Switzerland, manufactured in the European Union

Technical Specifications

User Interface

- Web interface for control, status and configuration
- HW reset button
- Discovery tool support (download from Barix web)

2 Ethernet Interfaces

- RJ45 10/100 Mbit auto detect
- IPv4, IPv6 capable
- 10/100, full/half duplex, auto negotiation

WiFi Interface

- WiFi 802.11 b/g/n, 2.4 GHz

Power Supply Input

- 5 VDC, 2.5 Watt max.
- Male connector barrel: 5,5 x 2,1 mm

Configuration Support

- Works with or without switch between codec and Redundix
- requires known IP address on receiver location
- BRTP support (future release)
- Reflector support (future release)

RS-232 Interface

- round female 8 PIN serial port (not used)

USB

- two USB sockets (not used)

Micro USD

- one micro usd card slot (not used)

MTBF

- 225'000h or minimum 25years

Case

- High quality ABS
- 3.61" x 3.61" x 1.38" / 91.5mm x 91.5mm x 35mm

Weight

- 300g

Warranty

- Two years

Environmental

Operating Environment

0 to +50°C / 32 to 122°F
0 - 70% relative humidity, non-condensing

Storage Conditions

0 to +70°C / 32 to 158°F
0 - 70% relative humidity, non-condensing

Certifications

RoHS, FCC, CE, C-Tick

Ordering Information

2017.9189P Redundix single unit, EU package (230V)
2017.9190P Redundix single unit, US package (120V)
2017.9191P Redundix single unit, UK package (240V)
2017.9192P Redundix single unit, NoPSU package
(no power supply)

For commercial related questions (distributors contacts, price list, business opportunities) please contact **sales@barix.com**

For technical inquiries (problem reports, request for documentation, etc.) please contact **support@barix.com**

Barix AG

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