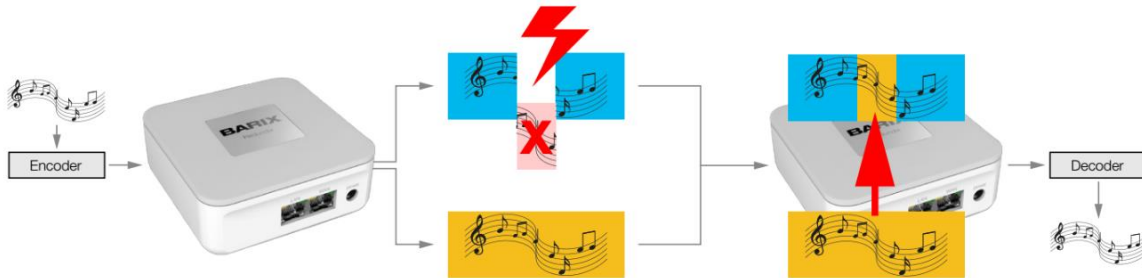


BARIX

REDUNDIX

Redundix improves audio quality by adding error resilience to IP-based studio to transmitter STL and studio to studio 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 Box is a device that is performing as Redundix transmitter and a second unit as Redundix receiver.

Redundix can be configured stand-alone using the local web based product interface or cloud managed as part of the well-established subscription based Reflector Service (www.streamguys.com/services/cloud/reflector). Using Reflector Service removes the requirements for fixed IP addresses, greatly simplifies configuration and provides operational peace of mind.

Redundix is codec independent and can be deployed as extension to an existing encoder/decoder RTP setup. This protects investments and reduces 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 as redundant network link
- Relia Duet as a redundant network link
- Adding path or temporal redundancy to an RTP based links
- Automatic repair of lost data on the receiver side, where possible
- Device configuration via web interface
- Greatly simplified system configuration using the well established Reflector Service
- Wired and wireless interface support
- IPv6 capable
- Small form factor
- 2-year warranty
- Developed in Switzerland, manufactured in the EU

Technical Specifications

User Interface

- Web interface for control, status and configuration
- HW reset button

2 Ethernet Interfaces

- RJ45 10/100 Mbit auto detect
- IPv4, IPv6 capable
- TCP/IP, RTP, UDP, ICMP, DHCP, SNMP
- 10/100, full/half duplex, auto negotiation

WiFi Interface

- WiFi 802.11 b/g/n, 2.4 GHz
- Embedded MIPS24KEc (580 MHz) with 64 KB ICache and 32 KB D-Cache
- 2T2R 2.4 GHz with 300 Mbps PHY data rate
- Legacy 802.11b/g and HT 802.11n modes

Power Supply Input

- 5 VDC from 4,75 to 5,25 type 5
- 2.5 Watt max.
- male connector: 5,5 x 2,1 mm

Reset button

- one reset button – 10sec

RS-232 Interface

- round female 8 PIN serial port
- including 1-wire

USB

- two USB sockets

Micro USD

- one micro usd card slot

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, G-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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