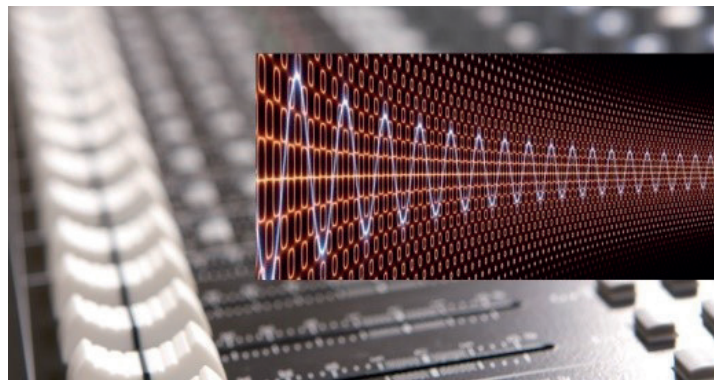


- ⊕ Error resilience for studio to transmitter streaming
- ⊕ Studio to studio streaming (e.g. radio syndication or contribution)
- ⊕ Any kind of RTP streaming with delicate audio quality



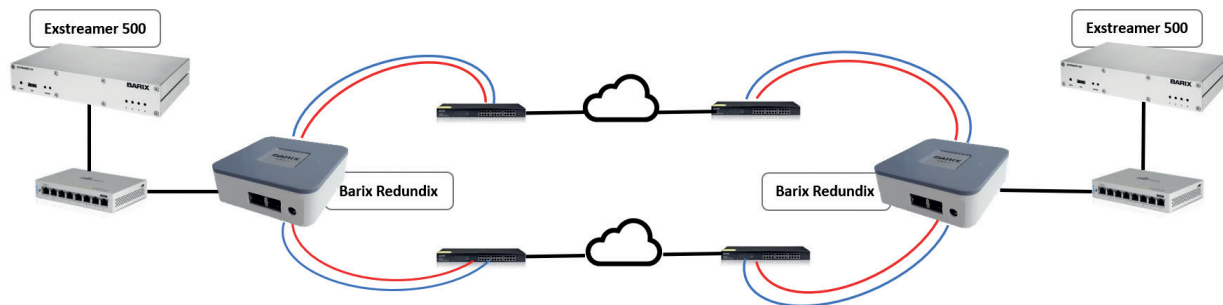
## Redundix Solution

Redundix by Barix is a solution that improves the quality of an RTP stream link using two mechanisms. The first is time-diverse routing, where the same audio stream is sent twice over the same link, immediately on encoding, and also time-delayed. The second is path divergent routing, where two streams are sent using separate networks.

At the receiving point, all streams are buffered and combined into one final „repaired“ stream. Redundix by Barix will cope with problems of the network infrastructure, including glitches, unreliable connections or even brief interruptions.

	Main Stream WAN	Delayed Stream WAN	Main Stream WWAN	Delayed Stream WWAN	Merged Sequence
1	874	50	875		41075
2	874	0	881		41076
3	874	94	878		41077
4	873	101	875		41078
5	873	78	875		41079
6	873	54	0		41080
7	874	30	887		41081
8	872	6	763		41082
9	874	1	739		41083
10	874	1	719		41084
11	876	5	882		41085
12	873	1	875		41086
13	874	1	878		41087
14	874	2	0		41088
15	0	0	0		41089
16	0	104	0		41090
17	0	0	0		41091

The screenshot shows the Redundix configuration interface. The 'Basic Settings' panel is visible, showing fields for Device Type, RTP Listen Port, Destination RTP Port, Destination IP LAN, and RTP Time diversity. A table of stream settings is overlaid on the interface, showing columns for Main Stream WAN, Delayed Stream WAN, Main Stream WWAN, Delayed Stream WWAN, and Merged Sequence. The table contains 17 rows of data, with some cells highlighted in red (e.g., 0, 104) and others in green. The configuration panel also shows fields for Wwan Security, Service Type, Sender, Sender Mode, Listen Port, RTP Port, Destination IP WAN, Destination IP WWAN, and RTP Time diversity.



## FEATURES:

- ⊕ Automatic healing of RTP streams
- ⊕ Reduces audio glitches due to network issues
- ⊕ Encoder/Decoder independent: Can be used with existing infrastructure
- ⊕ Features time and/or path redundancy
- ⊕ 2 Ethernet connectors for connections to independent IP infrastructures
- ⊕ Strong password protection
- ⊕ Web interface for configuration
- ⊕ Up to 10'000 milliseconds of user configurable time diversity

**Preconfigured on:**  
Barix Redundix device