



Model DB9410-RX

PROFESSIONAL MPX OVER IP DECODER - MICROMPX

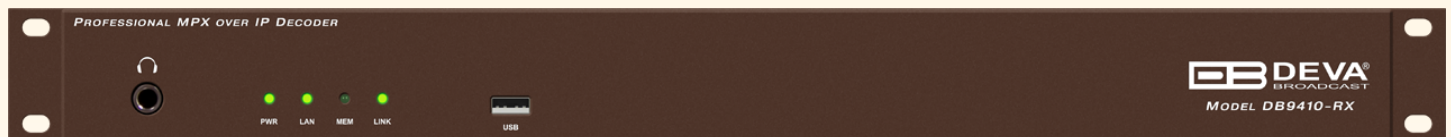
The DB9410-RX is a next-generation, MPX over IP Decoder engineered to deliver reliable and efficient audio transmission for professional FM broadcasting. Utilizing the purpose-built MicroMPX (μ MPX) algorithm developed by Thimeo, the DB9410-RX ensures high-quality audio reproduction with remarkably low network bandwidth starting from just 320 kbps. Designed specifically for FM MPX transport, μ MPX preserves the integrity of the stereo signal and RDS data while significantly reducing IP requirements, making the DB9410-RX ideal for applications over narrowband or public IP links.

Compact yet powerful, the DB9410-RX fits seamlessly into any broadcast infrastructure. LED indicators on the front panel provide instant system status, while an intuitive HTML5-based web interface allows complete configuration and monitoring from any desktop or mobile browser.

Engineered with DEVA's hallmark attention to detail and reliability, the DB9410-RX delivers pristine audio quality thanks to top-grade DAC components and precision signal processing. It supports both Digital AES192 and Analog MPX outputs, ensuring compatibility with a wide range of FM transmitters and studio setups. Whether deployed at a single transmission point or within a larger network, the DB9410-RX guarantees low-latency, uninterrupted signal decoding across all environments.

The DB9410-RX stands as a testament to DEVA's commitment to innovation and customer-driven design, offering an advanced, cost-effective solution for MPX over IP distribution. Its support for μ MPX sets it apart as a future-ready decoder that meets the growing need for efficient, high-performance broadcast tools.

Choosing DEVA's DB9410-RX means choosing reliability, flexibility, and the confidence that comes with decades of expertise in broadcast technology.



FEATURES

- High quality FM MPX decoding function
- High end DAC converter for optimal quality
- Ultra low latency, all-digital DSP based design
- Remotely upgradable firmware to ensure improved operation
- Headphone audio output
- Intuitive Embedded WEB server for interactive supervision
- Full online remote control of all parameters via IP
- Configuration via web user interface for easy setup
- Optional Redundant 230V or 48V (DC) power supply
- Forward Error Correction to reduce bit errors in data stream
- USB flash drive for Audio Backup Storage
- Apple and Android devices support
- SNTP for automatic synchronization of the built-in clock
- Protected access to the device settings
- LAN port for full TCP/IP remote control and monitoring
- Attractive price and very good price-performance ratio
- Proved and reliable hardware for 24/7/365 operating
- 1U Rack mountable Aluminum Case for high RF immunity
- Easy Installation and Setup

SPECIFICATIONS

Audio Decoder	
Codec	μMPX or raw PCM
Sample rates	192 kHz and 216 kHz, 24 bits
Signal Processing	24 Bit AD/DA conversion

PCM	
Bit depth	12 - 16, 20, 24 bit
FEC	RIST, ProMPEG FEC #3, release 2
Bandwidth	2.4 - 4.6 Mbps (no FEC)

μMPX	
Bitrates	320, 384, 448, 576, 800 kbit/s
FEC	μMPX FEC, RIST, Pro-MPEG FEC #3 release 2
Bandwidth	320 - 800 kbps (no FEC)

Analog MPX Output	
Connector	BNC
Type	Unbalanced
Level	+14 dBu (max. +16 dBu)
Sample rate	192 kHz and 216 kHz, 24 bits
Dynamic range	121 dB

Digital MPX AES192 Output	
Connector	RJ-45, balanced, EMI suppressed
Standard	AES3
Sampling Rate	up to 192kHz, 24 bits

GPS Port	
Connector	DB15, Male
Protocol	NMEA 0183, 9600bps
Sync	1 PPS, Square Wave, TTL Compatible

Front panel	
Status Indicators	4 LEDs
Headphones	1/8" (3.5mm) phones jack
USB	Type A for Backup audio player

User interface	
Web interface	Full control and Status information

Network	
Connector	RJ-45
Type	Ethernet, 1000Mbps
Device discovery	UPnP support

Operating conditions	
Temperature	-15°C to 55°C
Humidity	< 95%, non-condensing
Altitude	0 to 5000m above sea level

Power	
Voltage	100-240V / 50-60 Hz
Power Consumption	12VA
Connector	IEC320, Fused and EMI-suppressed

Optional Redundant Power Supply	
Option 1: RSPS-AC	90 - 260V AC (nominal 100 - 240V AC) 47 - 63 Hz (nominal 50 - 60 Hz)
Option 2: RSPS-DC	36 - 72V DC (nominal 48V DC)

Size and Weight	
Dimensions (W;H;D)	485 x 44 x 180 mm
Shipping Weight	540 x 115 x 300 mm / 2.673 kg



WE NEVER SPARE EFFORTS AND RESOURCES TO TURN OUR IDEAS INTO SUCCESSFUL PRODUCTS