

# MULTIMUXA

Multiplex Management System for 



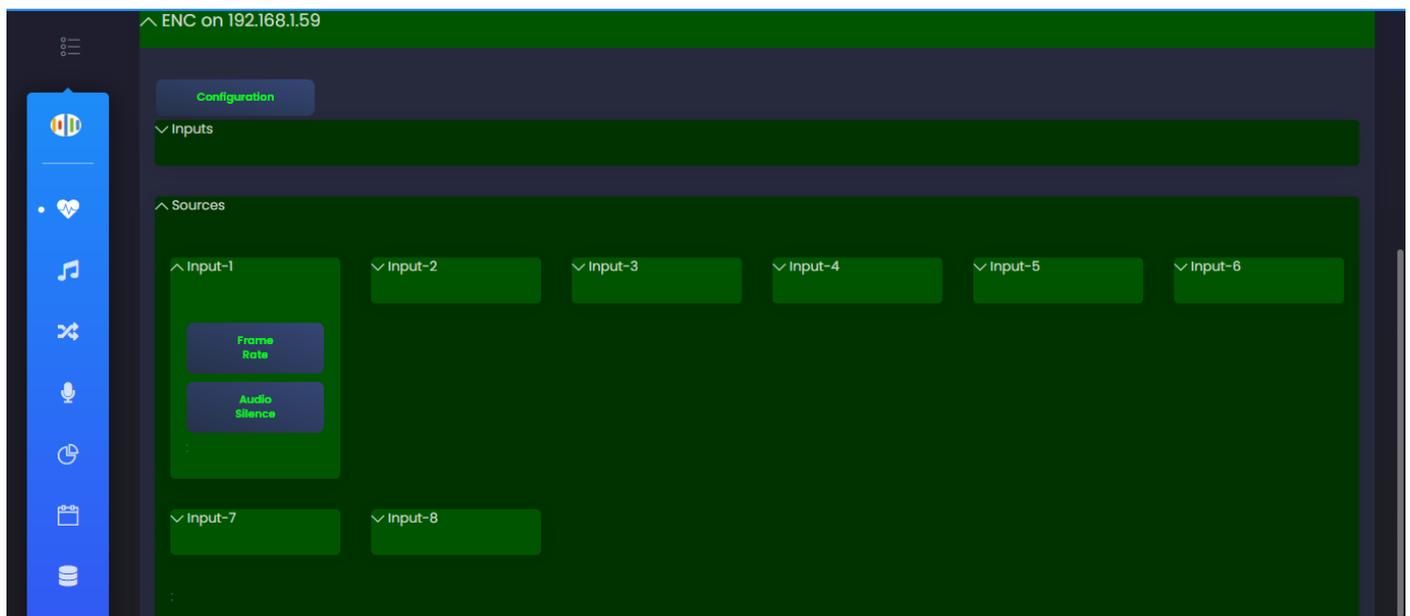
- ||| Sophisticated management of DAB+ multiplexes from a user-friendly web interface
- ||| Modern system architecture for secure operation
- ||| Multi-user access allowing service providers to control own content

## Overview

MULTIMUXA is the complete encoding, multiplexing and management system for all digital radio operators, including small scale DAB! The state-of-the-art software focusses on two key operating principles:

**Service-oriented configuration** allows individual service providers (studios) to create and schedule service configurations independently; MULTIMUXA uses advanced logic to generate the overall multiplex configuration. Personal system access and control is assigned by the operator to the service provider, allowing co-operative user management of the multiplex(es).

**Multi-ensemble operation** gives service providers the ability to add a given service to more than one ensemble, depending on allocated capacity on each multiplex. The introduction of service profiles and the ability to simply associate an individual service to multiple ensembles has time and operational saving benefits, making the overall orchestration of a multiplex an efficient process.



## Usability

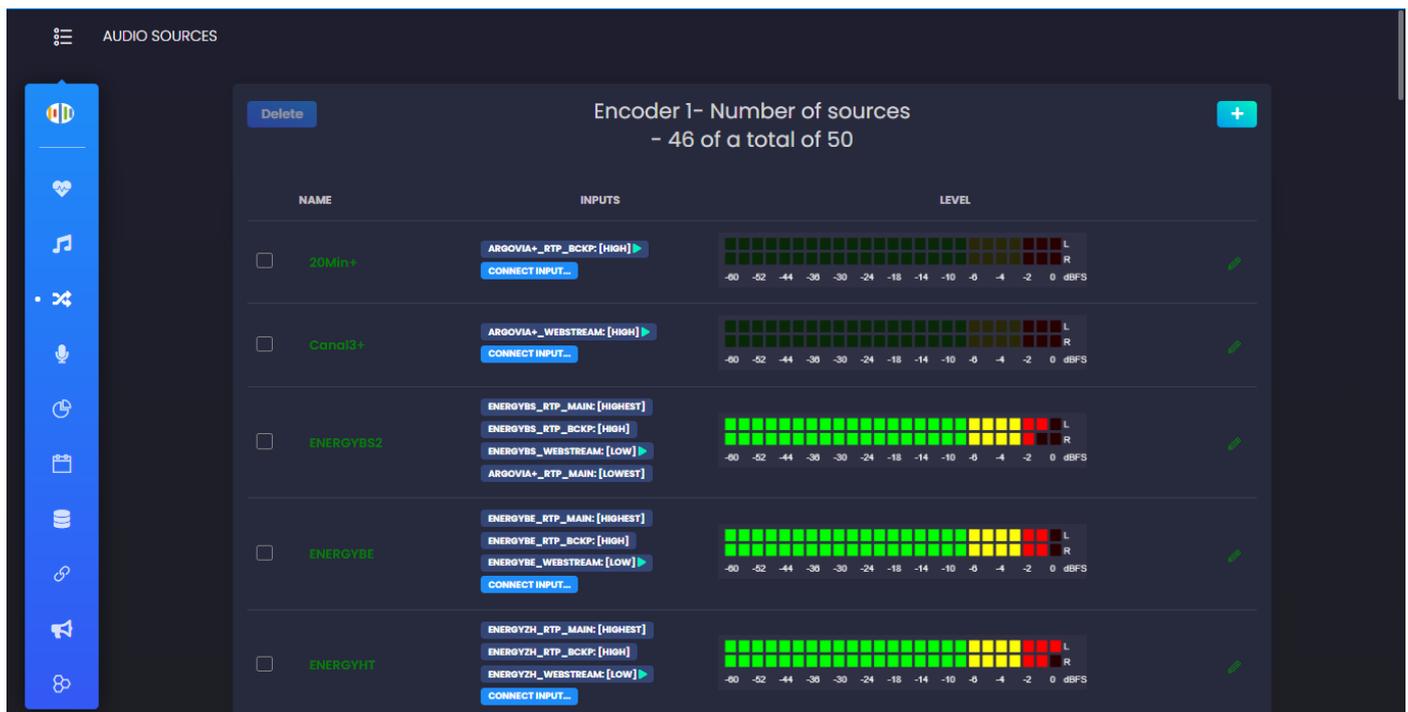
Designed for optimal user experience, the intuitive web interface allows service providers to add, remove, and edit services and schedule seamless reconfigurations, within the confines of the allocated ensemble capacity. The changes may apply across all associated ensembles where the service features, streamlining the operational workflow.

## Redundancy

MULTIMUXA offers seamless redundancy switching at system and also audio contribution level. Multiple audio sources can be designated to an individual service, and should an individual studio lose connectivity, MULTIMUXA automatically engages a back-up source by user-defined preference. All other non-affected studios will remain on their primary audio source.

## Reliability

The multiplex operator may remotely supervise the system performance and moreover the quality of the broadcasted ensembles. A comprehensive alarm system readily detects any failure in the system, provides concise alerts, and stores the series of events in a log which can be filtered and downloaded.



## Supported Audio Source

- 
**AES3:** AES/EBU and Analogue soundcards
- 
**AES67:** Ravenna, Livewire, Dante, Wheatstone
- 
**Webstreams:** AAC, MP3, Icecast, SHOUTcast
- 
**Transport stream:** MPEG2-TS from DVB-S/S2
- 
**File:** WAV and MP3 audio files, stored locally.

## Supported Data Source

- 
 DLS and Dynamic Label Plus (DL+)
- 
 Slideshow (SLS)
- 
 Announcements
- 
 Electronic Programme Guide (EPG)
- 
 Transport Protocol Experts Group (TPEG)

## Installation

MULTIMUXA allows flexibility for installation on dedicated Windows 10 Pro IPCs, virtualisation on server for multiple ensembles, or with cloud services. Factum Radioscape work closely with the operator to integrate MULTIMUXA within the wider broadcast network. The platform is highly scalable and can be easily expanded to introduce additional services and multiplexes.

For more information and to organise a live demonstration, please contact [sales@factumradioscape.com](mailto:sales@factumradioscape.com)