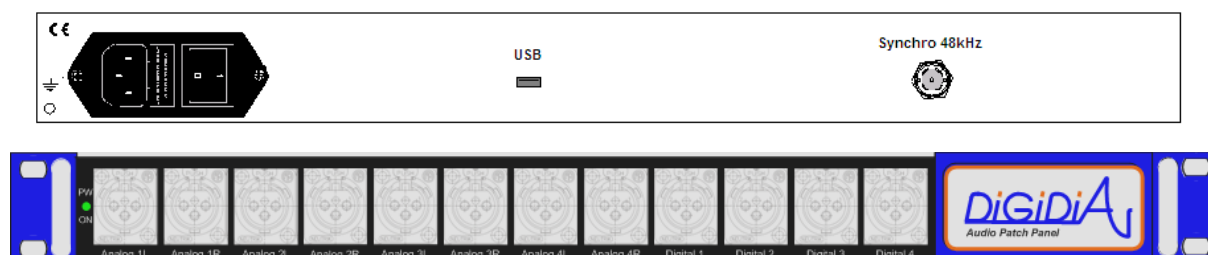


AUDIO PANEL

The cost effective Audio Patch Panel for any professional Digital Radio Broadcast applications



Introduction

AUDIO PANEL is a hardware option belonging to the CHORUS DRM/DRM+, the DAB/DAB+/DMB and the Synchronous FM product lines of DIGIDIA.

AUDIO PANEL is a compact and professional audio patch panel, especially designed for professional Digital Radio Broadcast applications using the DIGIDIA DAB/DAB+/DMB or the DRM/DRM+ or the Synchronous FM products. **AUDIO PANEL** can be therefore connected to either, the FlexiCOD Universal DAB/DAB+/DMB Audio Encoder or the FlexiDAB DAB/DAB+/DMB Headend System or the ALTO DRM Content Server or the ALTO+ DRM+ Content Server or the SpanFM Synchronous FM Headend system of DIGIDIA.

Key Features

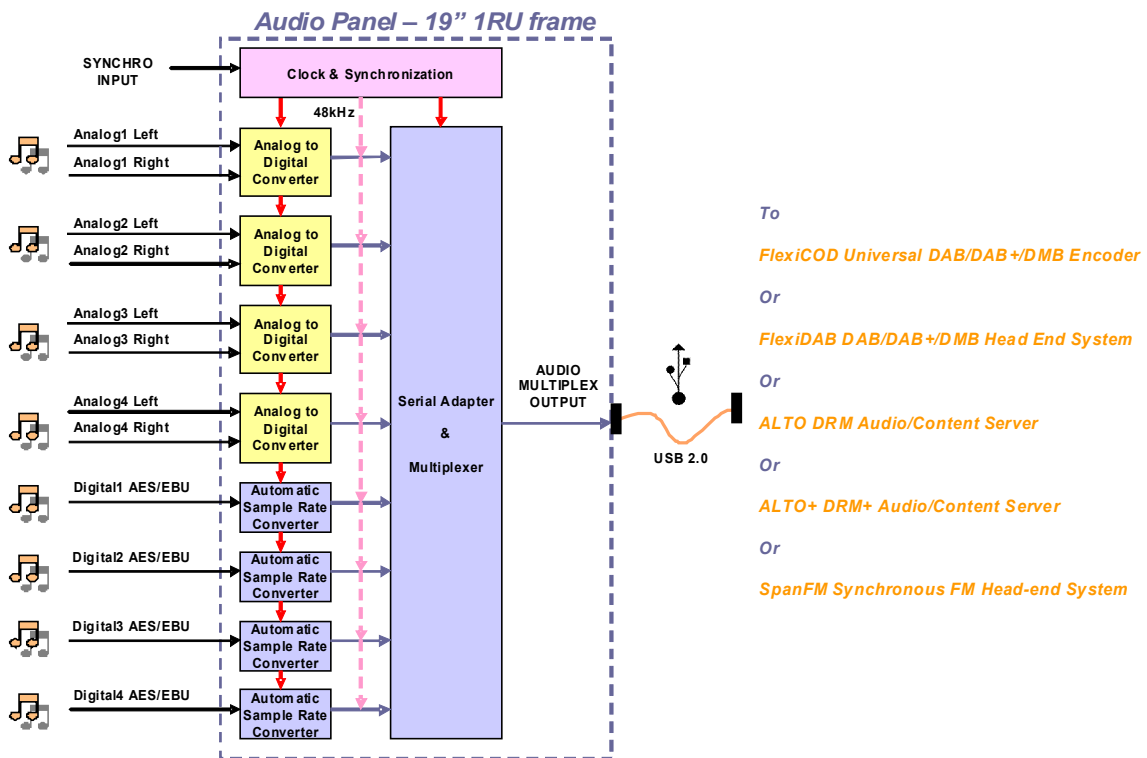
- Compact 1RU - 19" mechanical frame
- Auto-range power supply (85 to 264 VAC – 47 to 63Hz)
- Up to eight stereo audio inputs (up to four analog Left & Right connectors + up to four digital AES/EBU XLR connectors) directly available through the front panel
- Automatic Sample Rate Converter for each digital AES/EBU input (48kHz output sample frequency with typically -117dB THD+N)
- High performance Analog to Digital Converter for each analog input (typically -90dB THD+N)
- Secured connection with professional XLR connectors and disconnection proof USB connectors

Specifications

- Analog inputs
 - Female XLR connectors - 600Ω balanced
- Digital inputs
 - Female XLR connectors - 110Ω balanced

- Synchronization input
 - BNC 50Ω connector – 48kHz frequency
- Multiplex output (additional RF module supplied)
 - USB 2.0 certified compliant
 - High speed USB interface (480Mbps)

Block diagram



Application examples

- DAB/DAB+/DMB professional broadcast application (up to four stereo analog audio inputs and up to four stereo digital AES/EBU inputs). For up to eight stereo analog audio inputs or/and up to eight stereo digital AES/EBU inputs, two Audio Panel units are then required.
- 1+1 DAB/DAB+/DMB redundant system. For up to four audio inputs, two Audio Panel units are required (one for the main system and one for the redundant system). For up to eight stereo analog audio inputs or/and up to eight stereo digital AES/EBU inputs in 1+1 configuration, four Audio Panel units are then required (two for the main system and two for the redundant system).
- DRM/DRM+ professional broadcast application (up to four audio inputs) with 1+1 redundancy possibility

Ordering Information

~ OPT-PANEL	Audio Panel external hardware option
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AUDIO PANEL – Product Datasheet
 Specifications subject to change without prior notice
 Document with no contractual value