

GeMINI Studio

The GeMINI Studio is the newest studio and branch audio codec from MAYAH. With 4 digital and 8 analog channels, it is the most powerful audio codec of its size and offers a never before seen breadth of coding algorithms and comfort features. Like all MAYAH audio codecs of its generation it uses the WebRemote 5.0 for control and monitoring.



Distinguishing Features

8 Analog and 4 Digital Channels

The GeMINI Studio offers maximal flexibility with its high number of digital and analog channels. No matter the transmission and operation environment, the GeMINI Studio is ready for it.

Small, but Powerful

The GeMINI Studio is only ½ 19" and 1 RU but packs a lot of power into that package for high quality audio transmission. A larger version with a redundant power supply is also available.

Highly Customizable and Simple Controls

One of the greatest strengths of the WebRemote 5.0 is its adaptable and intuitive design. An in-built wizard ensures that the WebRemote 5.0 user interface is perfectly set up for the needs of the specific user, ensuring clarity and quick familiarization.

Wide Codec and Protocol Support

No matter which coding algorithm or communications protocol you wish to use, the GeMINI Studio can handle them. Supported communications protocols include EBU TECH 3326, RTP, RTMP, SIP (including access to multiple SIP servers). Supported audio coding algorithms include AAC, Opus, FLAC, AES67 and many more.

Applications

- Point-to-Point Streaming
- Multi-program streaming
- Logging, Recording
- Gateway
- Simple Answering Machine
- SIP Streaming

Specifications

Algorithms	
Base	<ul style="list-style-type: none"> • Linear • G.722 • MP3 • MPEG 1 & 2 Layer II
Optional	<ul style="list-style-type: none"> • Opus • FLAC • AES67 • AAC / AAC HE • Others on request
Bit Rates	Supported according to the respective algorithms.
Sampling Rates	Supported according to the respective algorithms.
Transport Protocols	<ul style="list-style-type: none"> • RTP • RTMP • SDP • SIP • UDP • EBU Tech 3326
Audio Quality Features	<ul style="list-style-type: none"> • FEC (Forward Error Correction) • PLEC (Packet Loss Error Concealment) • Jitterbuffer • Echo Cancellation • Silence Detection • Extended Programming • Backup Stream • Backup Recording
Audio Interfaces	<ul style="list-style-type: none"> • Digital: 1x AES/EBU DB9 1-4 IN, 1x AES/EBU DB9 1-4 OUT • Analog: 1x SYM DB 24 1-8 IN, 1x SYM DB 24 1-8 OUT <ul style="list-style-type: none"> ◦ Fanout Adapters optionally available

- Network Interfaces**
- Other Interfaces**
- Audio channels**
- Control & Monitoring**
- Power Supply**
- Cooling**
- Housing**

- 2x Ethernet Gigabit LAN
 - Data (Audio streams)
 - Control (web interface)
- Others on request

- 2x USB

- AES/EBU: 4 IN, 4 OUT
- SYM: 8 IN, 8 OUT

Proprietary browser-based control software on the device: the MAYAH WebRemote. Offering:

- Highly customizable widget-based Dashboard as central control hub, perfectly adaptable to every type of user
- PIPE Concept for simple call and connection management/monitoring via simple all-in-one drag-and-drop controls
- Advanced user and user group management
- Modern and clear design

- External PSU (1/2 19" housing)
or
- Internal redundant PSU (19" housing)

Passive, entirely noiseless

- 1/2 19", 1 RU
or
- 19", 1 RU, with redundant PSU

GEMiN!

