

GeMINI Security

The GeMINI Security is the new revolutionary device from MAYAH. A hardware audio codec specifically designed for use by customers in the security field as well as studios and broadcasters that place special importance on the security of their audio transmissions. Like all MAYAH audio codecs of its generation it uses the WebRemote 5.0 for control and monitoring.



Distinguishing Features

Secure Encryption and VPN

Its most important feature is its focus on encryption and Virtual Private Network (VPN) capabilities. This makes the GeMINI Security the perfect choice for secure audio transmission in a small package.

8 Analog and 4 Digital Channels

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

Small, but Powerful

The GeMINI Security is only ½ 19" and 1 RU but packs a lot of power into that package for high quality audio transmission, recording and logging.

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 Security 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

- Audio Streaming over a Secure Connection
 - to multiple listeners
 - to secure servers for storage
- Logging and Recording of Audio Events, including Event Commentary
- DTMF Control

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"> ● Secure Encryption ● VPN (Virtual Private Network) ● FEC (Forward Error Correction) ● PLEC (Packet Loss Error Concealment) ● Jitterbuffer ● Echo Cancellation ● Silence Detection ● Extended Programming ● Backup Stream ● Backup Recording

Audio Interfaces

- 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
 - Fanout Adapters optionally available

Network Interfaces

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

Other Interfaces

- 2x USB

Audio channels

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

Control & Monitoring

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

Power Supply

- External PSU

Cooling

Passive, entirely noiseless

Housing

- 1/2 19", 1 RU

GEMiN!

