



# Broadly Interoperable AES67 & ST2110 to MADI Audio Converter

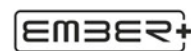


## **Iggy MADI | Bidirectional AES67 to MADI converter with Tally / GPIO**

Iggy MADI, our live audio-over-IP to MADI converter, offers the most broadly interoperable, flexible and robust AES67 & ST2110 implementation on the market today, for example with support of 1..80 channels per stream, and various sample rates and packet times. Iggy natively bridges multiple audio networking solutions such as Dante/SAP, RAVENNA, NMOS, Livewire+, JSON and DashBoard. Don't let incomplete and incompatible AES67 & ST2110 implementations get in your way; get Iggy and get grooving!

### **KEY BENEFITS**

- **BROADLY INTEROPERABLE AUDIO CONVERSION:** a mature and complete set of AES67 & ST2110 options, together with flexible clocking features, ensure a solid connection to a device of your choosing.
- **BROADCAST GRADE ROBUSTNESS:** redundant power and hitless audio interfaces.
- **NETWORKED AUDIO WITHOUT BARRIERS:** natively bridge multiple audio networking solutions together, such as Dante/SAP, RAVENNA, NMOS, Livewire+<sup>(1)</sup>, JSON and DashBoard.
- **EASILY GOES ANYWHERE:** flexible mounting options, powered over Ethernet and silent for use in-studio.



(1) Note that Livewire+, Rosstalk and TSL protocols will not be fully supported on first software release. Please contact us for more details.

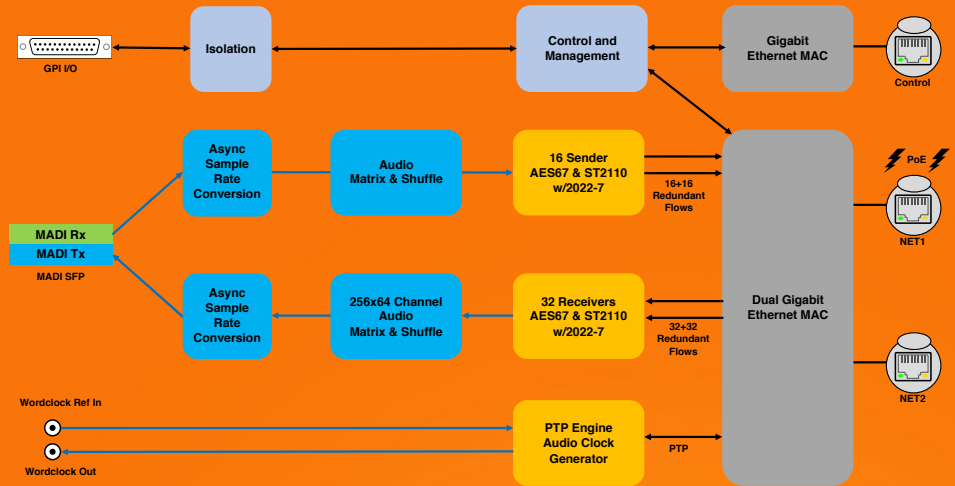
# Iggy MADI | Technical

- **Bi-directional MADI SFP port capable of supporting 64 channels in/out.**
- **Dual Redundant Audio GigE & Optional GigE Control interfaces:**
  - > 32 audio receivers, 16 audio senders
    - ST2022-7 hitless 1+1 redundancy per sender and receiver
  - > Packet times: 125µs, 250µs, and 1ms
    - 6, 12 & 48 samples per packet
  - > Sample rates: 48kHz & 44.1kHz with Async Sample Rate Converter (ASRC)
    - 88.2kHz/96kHz also supported, but without ASRC
  - > 1-80 channels, configurable per audio stream
  - > Audio encoding formats configurable per audio stream: L32, L24, L16 & AM824 (AES3 transparent transport, e.g. Dolby®E)
- **Open control.**
  - > **DISCOVERY AND REGISTRATION**
    - RAVENNA
    - NMOS IS-04
    - Dante / SAP<sup>1</sup>
    - Livewire+<sup>2,3</sup>
  - > **CONNECTION MANAGEMENT**
    - EmBER+
    - JSON API
    - NMOS IS-05
  - > **CONFIGURATION**
    - DashBoard
    - JSON API
    - WebUI
- **4x isolated out +8 x TTL GPIO controlled via RossTalk and TSL.**<sup>3</sup>
- **Fanless chassis for studio silent operation.**
- **Power over Ethernet and redundant DC input power.**
- **Flexible mounting options.**
- **Ross DashBoard provides seamless integration of configuration, control, and monitoring.**



\* Compose your optimal 1RU with up to 3 Iggy modules.  
 \*\* Dante and Livewire+ compatibility only in AES67 mode.  
 1 "Dante" is a trademark of Audinate  
 2 "Livewire" is a trademark of Axia  
 3 Note that Livewire+, Rosstalk and TSL protocols will not be fully supported on first software release. Please contact us for more details.

## IGGY-MADI SIGNAL FLOW



## MECHANICAL / ENVIRONMENTAL

- **1RU H x 5.75" W x 6.70"**
- **Optional rack tray provides secure placement of three IGGYs, bricks and cable management.**
- **Optional redundant power supply.**
- **Studio silent operation.**
- **Operating: 0°C to +40°C**



IGGY CONVERTER FAMILY	
ORDERING CODE	DESCRIPTION
IGGY-MADI	IGGY MADI to AES67 Audio converter 64 channels in / out of MADI via SFP interface Provides DB25 for GPIO, 3x GigE RJ45, UART to USB for debug, Ref clock in/out
IGGY-SELF	1RU rackmount shelf
IGGY-BRKT-EARS	IGGY "ear" bracket mount kit
IGGY-VESA100	VESA bracket mount kit

More members of the Iggy family hatching soon...