

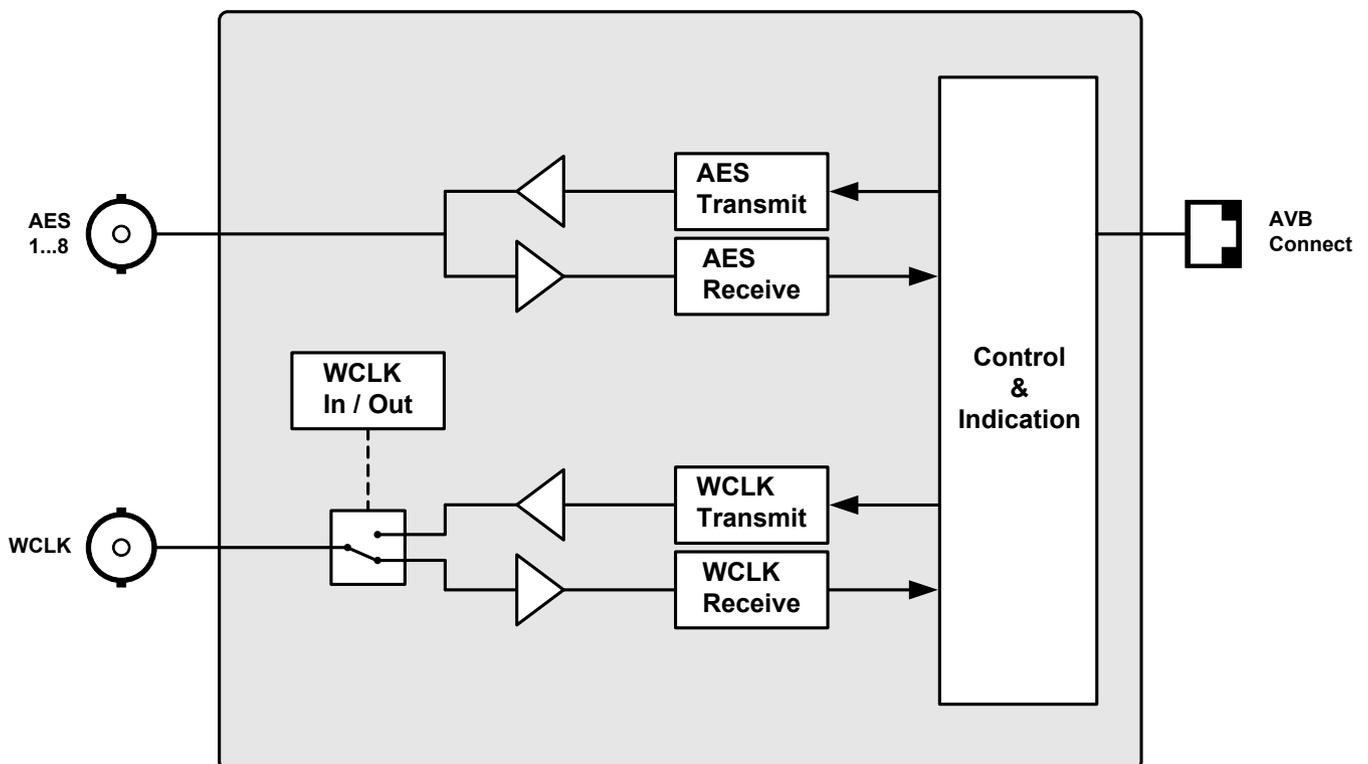
# Connect AVB C8

The Connect AVB C8 device provides 8 coaxial 75 Ω BNC sockets that carry either one AES 3 input or one AES 3 output or a bidirectional AES 3 input and output each.

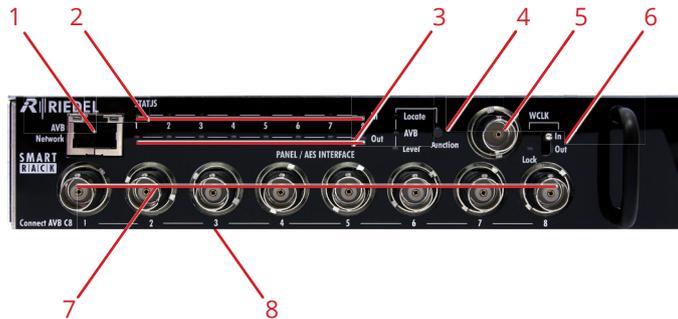


- All audio stream formats from and to Connect AVB devices are compliant with IEEE 1722
- AES bidirectional for Artist Intercom panel connectivity
- AES unidirectional for AES audio connectivity
- Ports can be freely configured as Input or Output with an IEEE 1722.1 controller software
- Wordclock Input / Output
- Enhanced monitoring features
  - Audio Signals
  - Network Status
  - Clock Status
- Locate function for network setup
- 12 VDC Power Input
- Status LED for each power feed

## Block Diagram



# Connect AVB C8



## Legend

- 1) AVB Network connector & Status LEDs
- 2) AVB Stream Input Status LEDs <sup>1</sup>
- 3) AVB Stream Output Status LEDs <sup>1</sup>
- 4) LED Display Function push button <sup>1</sup> & Status LEDs <sup>1</sup>
- 5) Wordclock BNC connector
- 6) Wordclock Input / Output selection switch & Status LEDs <sup>1</sup>
- 7) AES BNC connectors
- 8) Power Status LEDs <sup>2</sup>

### Status LEDs

	off	green	yellow	red
<b>AVB Network connector</b>				
left LED	No connection	Ethernet connection OK	--	--
right LED	No Traffic	--	Flashing while Transmitting	--
<b>AVB Stream <sup>1</sup></b>				
In function setting <b>Locate:</b>	Port is not active	Flashing at active Ports	--	--
In function setting <b>AVB:</b>	Inactive state, no function expected	Port is set up to stream audio and stream is flowing.	Port is set up to stream audio, but there is no Talker / Listener.	Port is set up to stream audio, but an error has occurred. Errors are: 1. Stream isn't flowing although expected to do so 2. Invalid format
In function setting <b>Level:</b>	--	Signal Level > -50 dBFS (200ms hold time)	--	Signal Level > -1 dBFS (200ms hold time)
<b>Wordclock <sup>1</sup></b>				
In	No Input Signal	Valid Input Signal	[In] is <i>not</i> selected as source and carries an invalid Input Signal.	[In] is selected as source and carries an invalid Input Signal.
Lock	--	Unit locked	--	Sync Error
<b>Power <sup>2</sup></b>				
	No Supply Voltage	Supply Voltage ok	--	Supply Voltage out of range

### Specifications

<b>Audio</b>	
Channels	8 stereo (each port can be freely configured as Input or Output with an IEEE 1722.1 controller software)
Audio	Digital Audio as per AES 3-2003 48 kHz
Resolution	24 Bit
AES Connection	RJ45 connector, direct connection of Artist Intercom Panels
Network Connection	RJ45 connector for 1000BaseT Ethernet
<b>Wordclock</b>	
Input / Output	BNC, TTL, 75 Ω
Frequency	48 kHz ±10 %

### Overall

Operating Temperature	+5 ... +50 °C (Non-condensing)
Supply Voltage	100 ... 240 VAC / 47 ... 63 Hz 10 ... 25 VDC
Power Consumption	max. 10 VA
Dimensions (w×h×d)	202 mm × 40 mm × 263 mm
Weight	880 g

<sup>1</sup> also available on the rear side of the unit

<sup>2</sup> only available on the rear side of the unit