

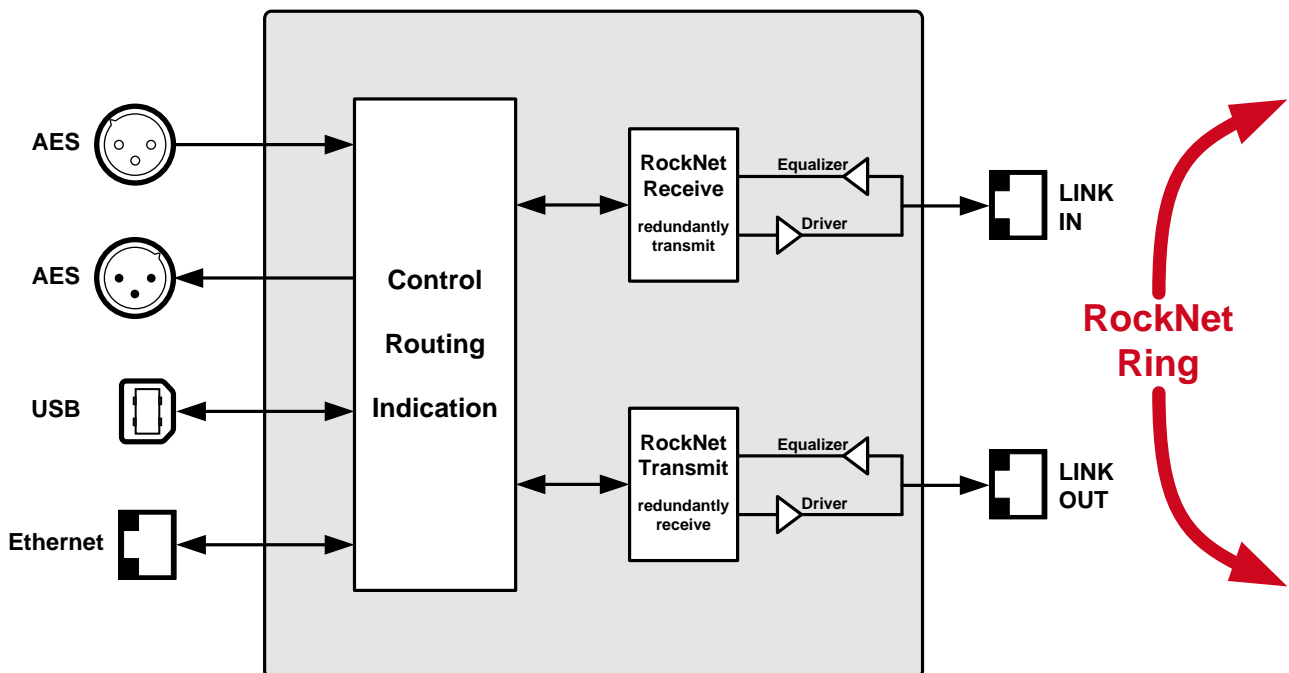
# RockNet RN.331.DD

The RN.331.DD provides 4 channel AES/EBU inputs and 4 channel AES/EBU outputs on XLR connectors. The front panel controls have been designed with full consideration to speedy operation and instant recall required in live situations.

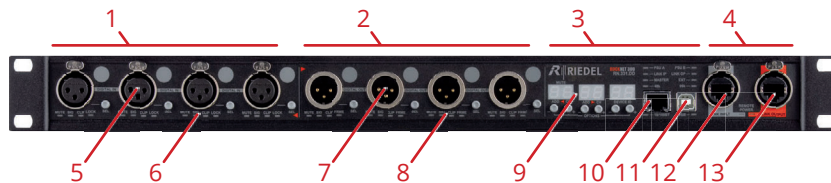


- 4 AES inputs
- 4 AES outputs
- Channel mute
- LED status indicators
- Remote control
  - via remote PC / Mac software RockWorks
  - from digital Yamaha mixing consoles via RN.341.MY and RN.141.MY
  - from digital Soundcraft / Studer mixing consoles via RN.343.VI
  - from digital Soundcraft Compact and Performer consoles via RN.344.SI
  - from digital SSL consoles C10 / C100 via RN.334.MD
- Front panel operation
- CAT5 redundant network interface
- Redundant power supply

## Block Diagram



# RockNet RN.331.DD



## Legend

- 1) Input Section
- 2) Output Section
- 3) Control Section
- 4) Network Section
- 5) XLR input connectors
- 6) LED input status indicators
- 7) XLR output connectors
- 8) LED output status indicators
- 9) 3 two-digit displays with 6 push buttons for menu operation
- 10) RJ45 connector for Ethernet Transport
- 11) USB connector for PC Remote Control
- 12) Link Input connector
- 13) Link Output connector

## Status LEDs

	color	off	on	flashing
MUTE	red	Channel active	Channel muted	--
SIG	green	No signal present (< -42 dBFS)	Signal present (> -42 dBFS)	--
CLIP	red	Signal ok (< 0 dBFS)	Signal clipping (> 0 dBFS)	--
LOCK	yellow	No valid signal (frame) at the input	Valid AES signal (frame) at the input	--
FRME	yellow	No valid signal (frame) at the output	Valid AES signal (frame) at the output	--
PSU A/B	green	Power Supply not connected or power failure	Power Supply ok	--
LINK IP / OP	yellow	No communication to neighbor device present	Communication and synchronization established	Communication ok but synchronization missing
MASTER	yellow	Device is Sync-Slave	Device is active Sync-Master	Device is passive Sync-Master
EXT	yellow	External Wordclock synchronization disabled	External Wordclock synchronization ok	External Wordclock synchronization failure
48k	yellow	--	48 kHz samplerate selected	--
96k	yellow	--	96 kHz samplerate selected	--
10/100BT	yellow	No Ethernet connection present	Ethernet connection established	--
USB	yellow	No connection via USB present	RockWorks connection via USB established	--
REMOTE POWER	green	Remote Power option failure or not installed	Remote Power option installed and ok	--

## Specifications

Channels	4 stereo input + 4 stereo output		
Input/Output Format	Digital Audio as per AES 3-2003 48 / 96 kHz		
Input/Output Impedance	110 Ω		
Input Level	typ. 200 mVpp / max. 7 Vpp		
Output Level	typ. 3.5 Vpp	@ 110 Ω load	
Level Indicators	Signal, Clip		
Resolution	24 Bit		
Sample Rate	48 kHz, 96 kHz		
Delay	150 μs		
USB Port	USB 1.1/2.0 compatible		
Ethernet Port	10 BaseT / 100 BaseT		
Wordclock In	TTL / high impedance	BNC connectors on the rear side	
Wordclock Out	TTL / low impedance		

## Overall

Environmental Temperature	0 °C to +50 °C (Non-condensing)		
Supply Voltage	100 ... 240 VAC / 47 ... 63 Hz		
Power Consumption	40 VA		
Dimensions (w×h×d)	483 mm × 44 mm (1RU) × 200 mm		
Weight	3 kg		