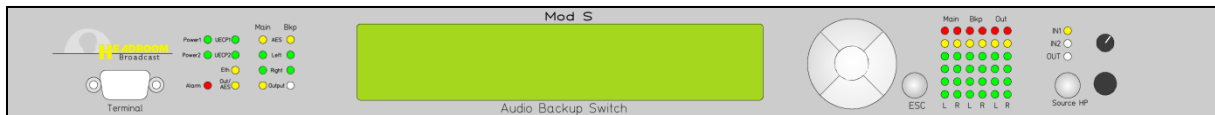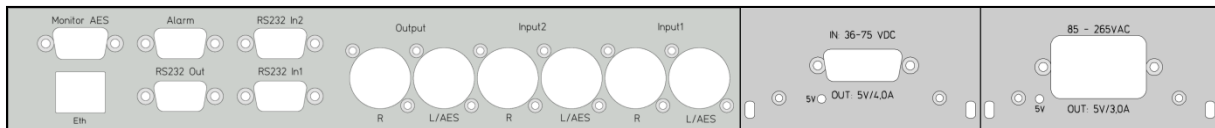# MOD-S
Audio Switching Platform by HEADROOM Broadcast

The MOD-S is a 19" 1RU versatile audio switching platform for stereo audio in broadcasting applications like redundancy backup switching. It offers analog and digital I/Os freely configurable by the user to adapt to many infrastructures and needs.

It offers detailed fault reporting and level monitoring via SNMP or web-interface.

Device Front:

Device Back *(with redundant PSUs)***:**

Signal Inputs:

Type	Name	Connector	Description
Main Audio In	Input1	XLR stereo pair	Left channel XLR is AES/EBU input if set to digital
Backup Audio In	Input2	XLR stereo pair	Left channel XLR is AES/EBU input if set to digital
RDS Main In**	*RS232 In1*	*Sub-D9*	*RDS RS232 Main input to RDS Switch (all signals will be switched, Data and Handshake)*
RDS Backup In**	*RS232 In2*	*Sub-D9*	*RDS RS232 Backup input to RDS Switch (all signals will be switched, Data and Handshake)*

Signal Outputs:

Type	Name	Connector	Description
Main Audio Out	Output	XLR stereo pair	Left channel XLR is AES/EBU output if set to digital
Digital Audio Out	Monitor AES	Sub-D9 (Tascam pin configuration)	Pins 1,2 and 6 symmetrical AES/EBU switch output (only available if XLR Audio Out is set to analog audio)
Headphone Out	HP	Quarter Inch Jack	Headphone output on device front with source selection (In1, In2, Out)
Additional Digital Monitor Out***	*Monitor AES*	*Sub-D9 (Tascam pin configuration)*	*Pins 3,7 and 8 symmetrical AES/EBU monitor output with selectable source (In1, In2, Out)*

Management Interface Connectors:

Ethernet[4]*	*Eth*	*RJ45 10/100Base-T*	*Connector for web-interface, SNMP,FTP, Telnet, etc.*
Terminal RS232[4]*	*Terminal*	*Sub-D9 (DCE pin configuration, only TxD , RxD used)*	*Connector on device front to set features like IP-Address, Gateway and Subnetmask. Also SNMP Trap-Targets, SNTP configuration etc.*
Alarm Relay Loops	Alarm	Sub-D9	3 alarm change-over relays for power supply 1, *power supply 2[5]**and one freely configurable relay

** ___RDS-Switch Option

** *___Monitor Output with the Monitor option

[4]* __Ethernet and Terminal connector only with the SNMP option

[5]* ___With redundant PSU option

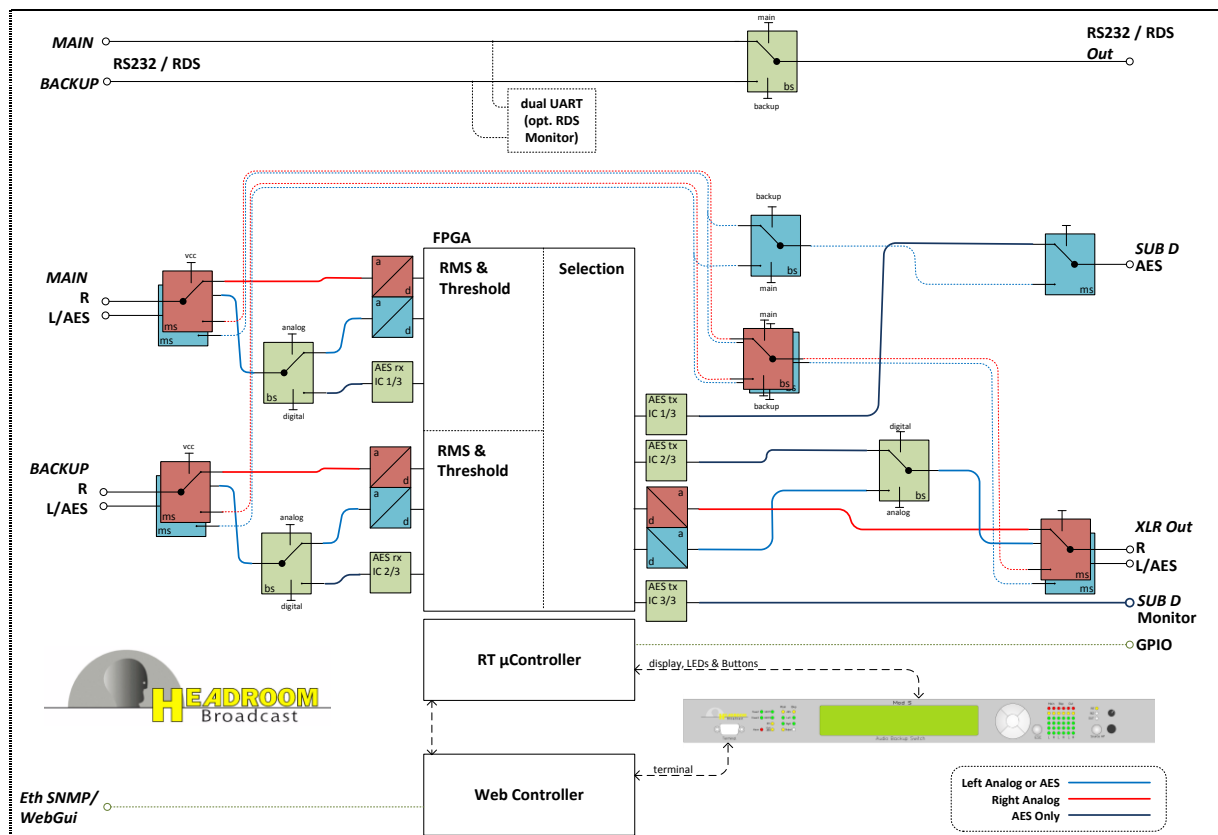All AES/EBU connectors symmetrical acc. to AES3-2003, sample rates up to 192kHz supported
Analog Inputs max. +15 dBu (+15dBu equals 0 dB FS on digital output)
Analog Output max. +15 dBu (0 dB FS on digital input equals +15dBu)

Available Options:

- Monitoring and configuration over IP-networks (Protocols: SNMP, HTTP, FTP, Telnet, SNTP)
- RDS/UECP switching on RS232/Sub-D 9 inputs - switches with corresponding audio input state
- RDS/UECP timeout monitoring
- Additional AES/EBU monitor output with source selection (In1, In2, Out)
- Hot-swappable redundant PSUs dual AC, DC or mixed configuration
- Diverse front panel configurations (LED-bargraphs, LCD-status or complete front configuratiom)

Overview:

Dimensions:

WxHxD   48.3x4.4x28cm

Power Consumption:

15.5W typ.