

MIO DA-AUD Audio D/A convertor

User Manual V1.0

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MIO DA-AUD audio D/A convertor

I Description

MIO-DA-AUD is an audio convertor based on Mini BOX, which can convert 2 groups of AES digital audio signal to 4 channels' balanced analog audio. It supplies four full scale levels which include +18dBu/+20dBu/+22dBu/+24dBu, to meet the different requirements of digital audio signal in different regions all over the world.

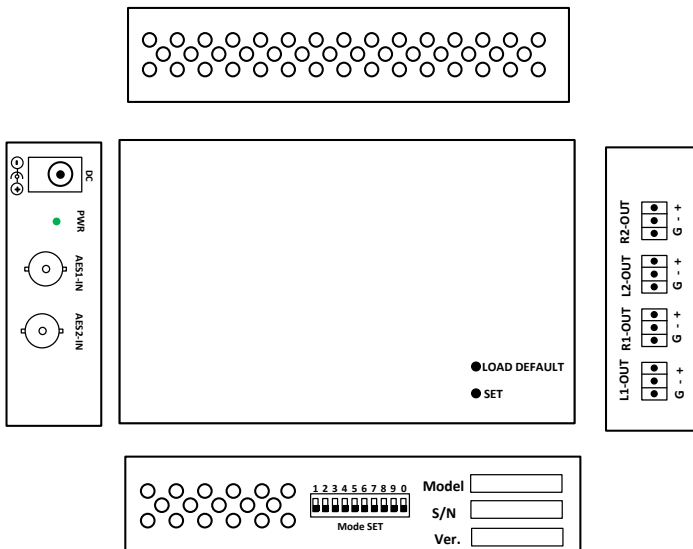
MIO DA-AUD adopts 24bit quantization which guarantees the high quality and stability after conversion. Also, the power indicator shows the working condition makes it convenient for monitoring the working condition.

The compact structure makes it convenient for use which also can be widely used in professional video& audio transmission and production field.

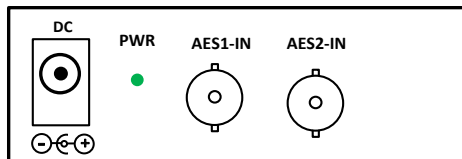
II Interfaces

2.1 MIO DA-AUD digital to analog audio convertor

1) Outlook



2) Left Panel



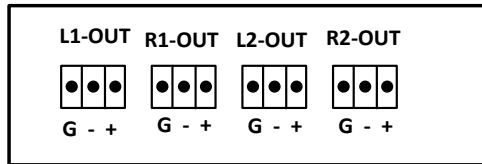
DC : 12V 1A

PWR: Power indicator, the indicator shows green when the power is in normal status

AES1 IN: BNC interface, the AES input from group1

AES2 IN: BNC interface, the AES input from group2

3) Right Panel



ANA AUDIO OUT: 3pin interface, 4 channel analog audio signal, as following:

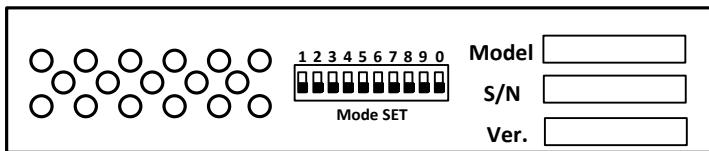
L1: The audio output of left channel of group1

R1: The audio output of right channel of group1

L2: The audio output of left channel of group2

R2: The audio output of right channel of group2

4) Front Panel



MODE SET is a DIP switch; users can set DIP position to achieve more functions, the DIP specific meaning as following:

DIP		1	2	3	4	5	6	7	8	9	10
Analog audio full scale level selection	+18dBu	M/A	/	/	/	OFF	OFF	ON	OFF	OFF	Adjustment
	+20dBu	M/A	/	/	/	OFF	OFF	ON	OFF	ON	Adjustment
	+22dBu	M/A	/	/	/	OFF	OFF	ON	ON	OFF	Adjustment
	+24dBu	M/A	/	/	/	OFF	OFF	ON	ON	ON	Adjustment
Analog audio output channel selection	AES1 →L1&R1	M/A	/	/	/	ON	OFF	OFF	OFF	ON	Adjustment
	AES1 →L1&L1	M/A	/	/	/	ON	OFF	OFF	ON	OFF	Adjustment
	AES1 →R1&R1	M/A	/	/	/	ON	OFF	OFF	ON	ON	Adjustment
	AES2 →L2&R2	M/A	/	/	/	ON	OFF	ON	OFF	ON	Adjustment
	AES2 →L2&L2	M/A	/	/	/	ON	OFF	ON	ON	OFF	Adjustment
	AES2 →R2&R2	M/A	/	/	/	ON	OFF	ON	ON	ON	Adjustment

Remarks: Power switch UP=OFF DOWN=ON

DIP indicates by 10 figures:

- 1) The first one indicates manually or automatically. Put it at **ON**, the equipment is under manual status, it can set the function by dial switch; Put it at **OFF**, the equipment is under

auto status, the function can be set by the computer.

2)NO.5~9, through the different settings to achieve specific functions, for example: set NO.5-9

as: **OFF OFF ON OFF OFF**, it means the full scale level of the output audio is +18dBu,

the correspondence full scale level of digital audio is 0dBFS, tickle "SET" to make it into

effect. **Remarks:** When user sets a DIP switch, if and only if the NO. 1 and 10 are at ON,

can make a DIP switch into effect. Other switches (No.2-4) are reserved, without any use

in this product.

3)The correspondence between default analog audio and digital audio channel is:

AES1→L1&R1、AES2→L2&R2, but the user can choose one channel of the output AES.

For example: AES1→L1&L1 means the dual output channel of AES1 are L1 sound track.

4)NO. 10 indicate the dial switch whether on the setting status. Put it at ON, it indicates the

dial switch under adjustment status, users can adjust the switch to achieve the functions in

the list; Put it at OFF, the equipment is under usual working condition, the dial switch is

invalid. LOAD DEFAULT: recover factory default by tickle the button. (Initial parameters

are:+24dBu, AES1→L1&R1、AES2→L2&R2)

Remarks: SET=DIP switch OK button. (On the right corner of top cap), after the

adjustment of DIP, tickle this button to make it into effect.

After adjust parameters manually, please make sure all switches are on the OFF status in

usual working condition.

III Specifications

Digital audio input:

Input interface:	2*AES, BNC connection
Format:	AES3 (SMPTE 276M)
Impedance:	75Ω
Max Level:	0dBFS

Analog audio output:

Output interface:	4*3pin
Impedance:	600Ω
Max Level:	+24dBu
Amplitude-frequency :	<±0.04dB @ 20Hz to 20KHz
THD+N:	90dB @ 1KHz

Status indicator:

(Indicate by shining or extinguishing of the green LED)

Power consumption:

Power:	12VDC 1A
Dimension:	123mm*92mm*29mm

IV Contact Us

Technical support

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