MIO AD-AUD Audio A/D convertor

User Manual V1.0

Content

Copyright

Trademarks

Gefei-Tech，Magi，MIO，VIO，XIO，MVS，MRS are either registered trademarks or trademarks of Beijing Gefei Tech. Co., Ltd in China and/or other countries. Other trademarks used in this document are either registered trademarks or trademarks of the manufacturers or vendors of the associated products.

Disclaimer

Product options and specifications subject can be changed without notice. The information in this manual is furnished for informational use only, is subject to change without notice, and should not be construed as a commitment by Beijing Gefei Tech. Co., Ltd .Beijing Gefei Tech. Co., Ltd assumes no responsibility or liability for any errors or inaccuracies that may appear in this publication.

MIO AD-AUD audio A/D convertor

Ⅰ **Description**

MIO-AD-AUD is an audio convertor based on Mini BOX, which can convert 4 channels' balanced analog audio to 2 groups AES digital audio signal. 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.
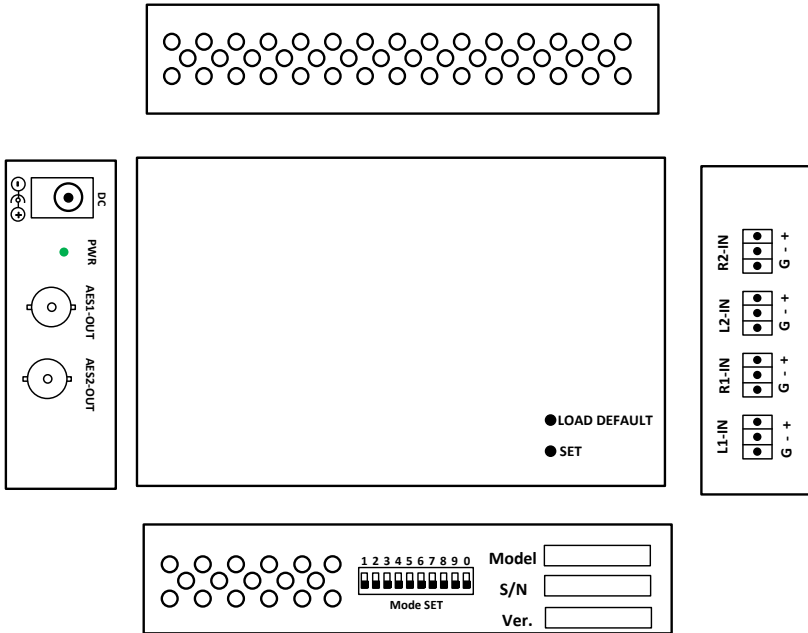
MIO AD-AUD adopts 24bit quantization which guarantees the high quality and stability after the onversion. Also, the power indicator shows the working condition makes it convenient for monitor the working condition.

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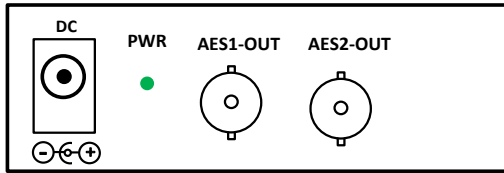
Ⅱ **Interfaces**

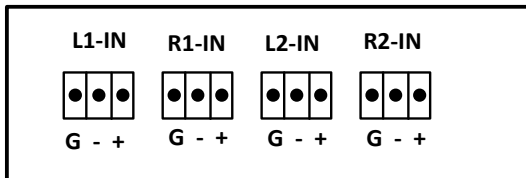2.1   MIO AD-AUD analog to digital audio convertor

1) Outlook:

2）Left Panel

DC ： 12V 1A

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

AES OUT1：BNC interface, the AES output from group1

AES OUT2：BNC interface, the AES output from group2

3）Right Panel

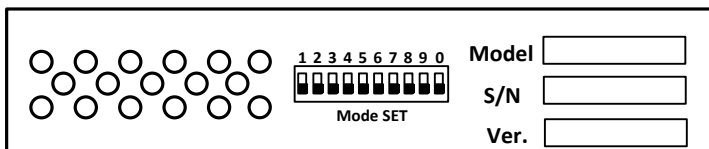**ANA AUDIO IN**：3pin interface, 4 channel analog audio signal, as following:

L1： The audio input of left channel of group1.

R1： The audio input of right channel of group1.

L2： The audio input of left channel of group2.

R2： The audio input 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 input channel selection	L1&R1→AES1	M/A	/	/	/	**OFF**	**ON**	**OFF**	**OFF**	**ON**	Adjustment
	L1&L1→AES1	M/A	/	/	/	**OFF**	**ON**	**OFF**	**ON**	**OFF**	Adjustment
	R1&R1→AES1	M/A	/	/	/	**OFF**	**ON**	**OFF**	**ON**	**ON**	Adjustment
	L2&R2→AES2	M/A	/	/	/	**OFF**	**ON**	**ON**	**OFF**	**ON**	Adjustment
	L2&L2→AES2	M/A	/	/	/	**OFF**	**ON**	**ON**	**ON**	**OFF**	Adjustment
	R2&R2→AES2	M/A	/	/	/	**OFF**	**ON**	**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 OFF OFF ON**, it means the user will adjust the gain of analog video signal, 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 : L1&R1→AES1、L2&R2→AES2. Users also can input one channel analog audio, then output dual channel digital audio after conversion. For example: L1&L1→AES1 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，L1&R1→AES1、L2&R2→AES2)

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:

Analog audio input:

Input interface: 4*3pin

Impedance: 600Ω

Max Level: +24dBu

Amplitude-frequency: <±0.04dB @ 20Hz   to 20KHz

THD+N：   90dB @ 1KHz

Digital audio output：

Output interface: 2*AES, BNC connection

Format: AES3 (SMPTE 276M)

Impedance: 75Ω

Max Level: 0dBFS

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

Tel: 010-58858188

Fax: 010-58858189

Website

www.gefei-tech.com

E-mail：support@gefei-tech.com

Address

Beijing Gefei Tech. Co., Ltd

A-603 Power Creative Plaza

NO.1 Shangdi E.Rd.

Haidian District Beijing 100085

To Find More information , please visit www.gefei-tech.com