

m908 ADC Field Installation Manual

Rev B

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Document Revision History

Rev	Page	Change	Date	Initials
A		Initial Release	11/25/19	AGV
B		T10 Torx screws changed to T8	10/7/20	AGV

1 Assembly Steps

1.1 m908 ADC Installation

Materials:

Part #	Description	QTY
AT196	M908 ADC PCBA	1-2
AT190.3	M908 Stereo Unbalanced/Balanced Input PCBA	1
H484	3-24 X 5/16 6 lobe T-8 Pan Head plastite 48-2 thread, black zinc	5
H165	4-40 X 3/16 X 5/16 Jack Screw ST ZN	2-4
H035	4-40 X 1/4 CP SC SS PS (Re-used cover plate screws)	2-4
WA213	2 position jumper 24AWG MTA100 6" (Connected to AT190.3)	1

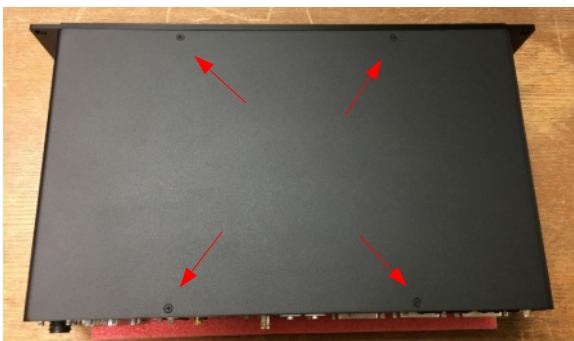
Tools:

- #2 Phillips Screwdriver
- 3/32" Allen Wrench
- T8 Torx Driver
- 1/4" Nut Driver/Wrench
- 3/16" Nut Driver

Procedure:

1. Place the m908 ACU on a workbench and remove the top cover. There are 4x #2 Phillips screws on the top and 2x on each side.

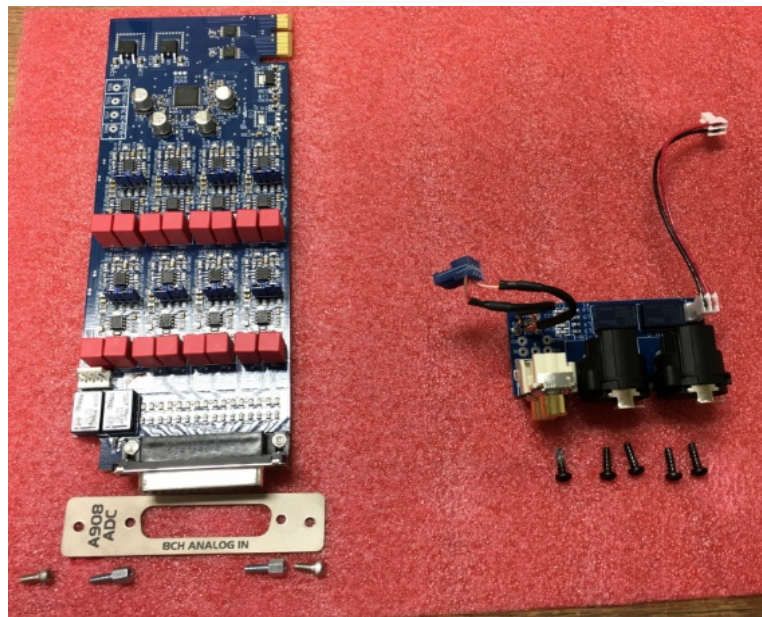
*****Circuit boards can be DAMAGED by static electricity! Be sure to ground yourself before handling or touching the circuit boards!*****



2. Remove the stereo inputs cover plate and ADC option cover plate(s). The stereo input cover plate is held on by two 3/32" Allen screws and two 1/4" Nyloc nuts. The ADC cover plates are held on by two 3/32" Allen screws. Retain these screws for the ADC installation.



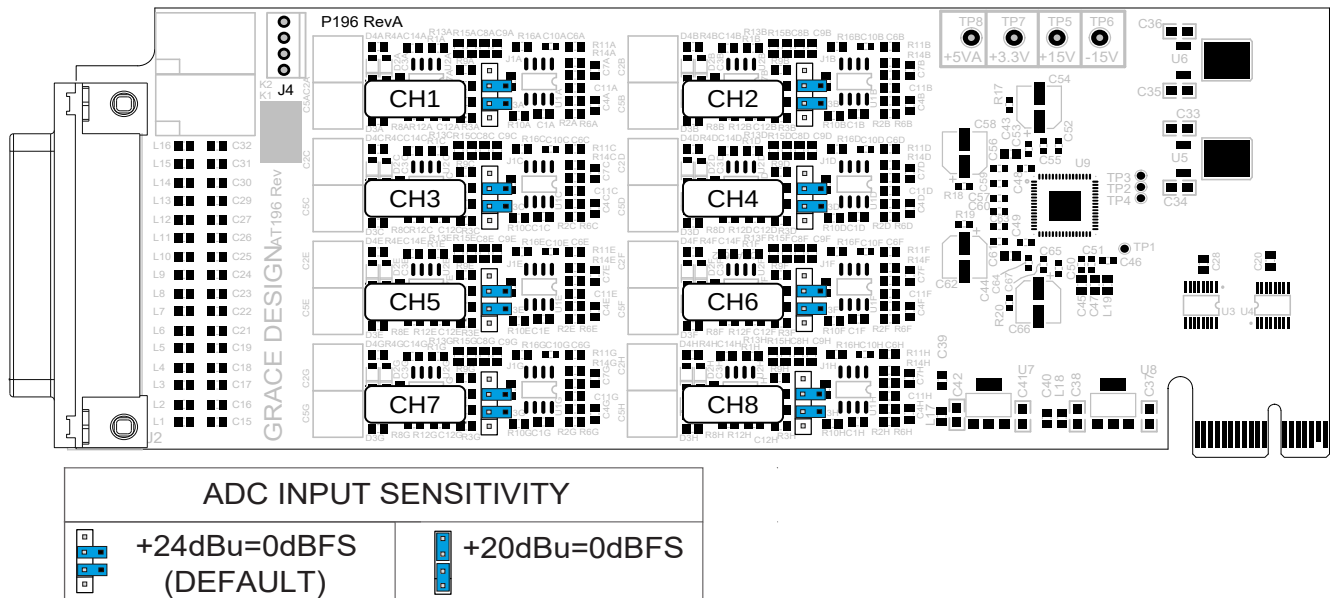
3. Prepare the ADC and stereo input PCBA. The ADC plate must be off for installation.



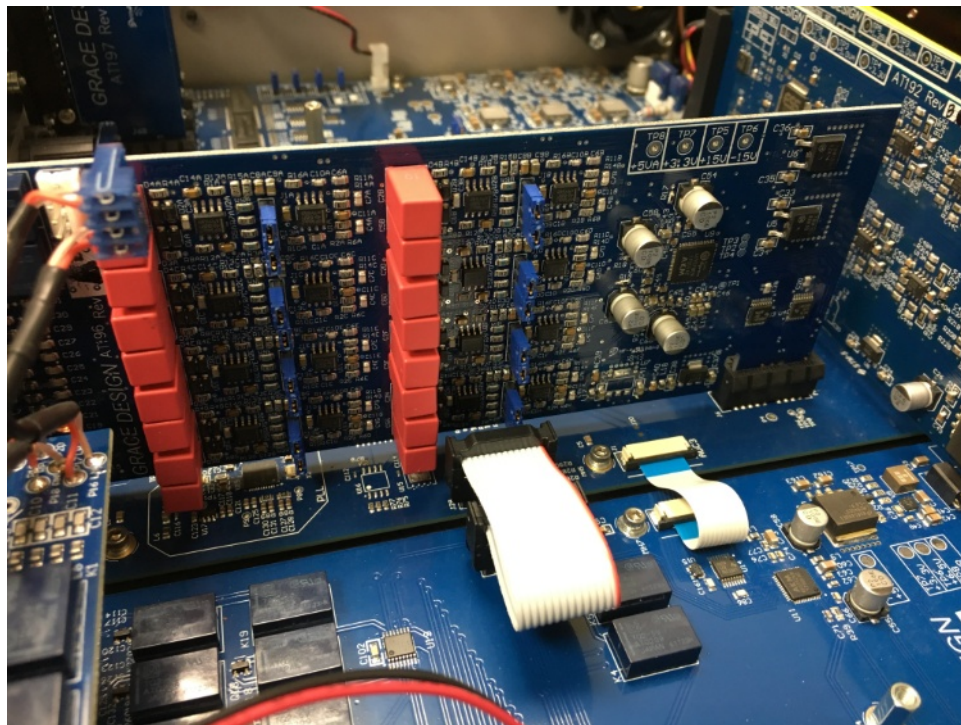
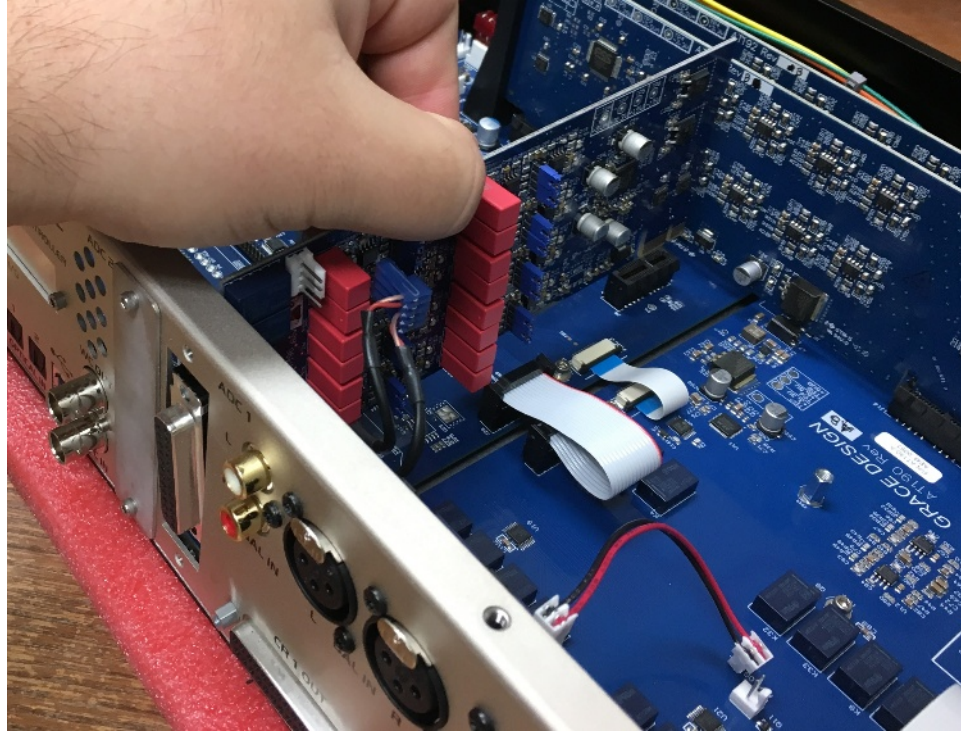
- Install the stereo input PCBA with 5x H484 T8 Torx screws.



- Set the ADC jumpers for your required sensitivity before installing the ADC. The default position is +24dBu = 0dBFS.



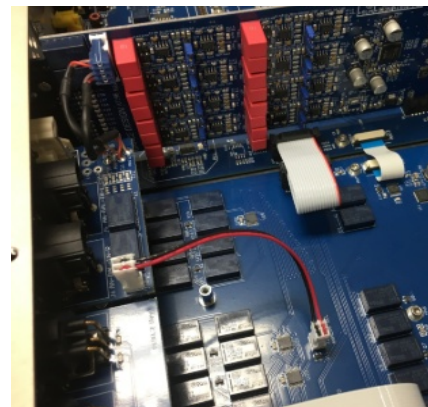
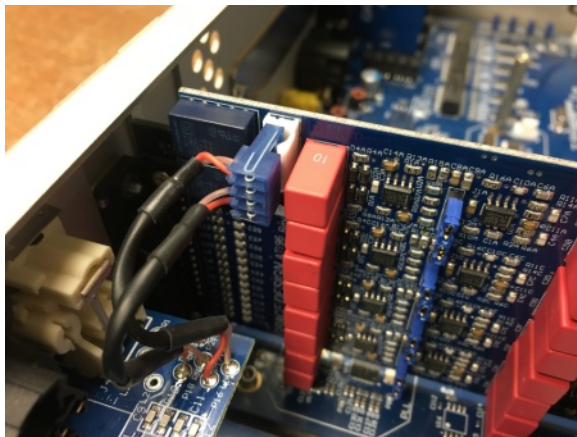
6. Install the ADC by inserting it from the inside of the unit and tilting the DB25 input connector down first, then aligning the card edge connector (PCI-E slot). When aligned, press down on the back of the ADC card to seat the connector. Repeat for the second ADC if installing.



7. Install the ADC cover plate with the two H035 3/32" Allen screws that were previously removed and two H165 3/16" hex standoffs. The H165s will have Loctite pre-applied.



8. Connect the 4 position audio wire assembly to the ADC J4 and the 2 position control wire to J21 "Analog Sel" on the main analog board.



9. Re-install the top cover. Apply the ADC serial # label on the back of the unit next to the main unit serial #. This concludes the m908 ADC Installation.