



AA35-100 Audio Mixer Panel SM25 Installation and Operation Manual Supplement

This supplement contains installation and operation information that is unique to the AA35-100 Audio Mixer Panel. Installation and operation information common to the AA35-001 base unit can be found in the SM25 Installation and Operation Manual.

Prepared By: Tony Pearson Designer Aug 27, 2012	Checked By: David Hayman AEM Contractor March 4, 2013	Approved By: Tom Betzelt Product Support Manager March 7, 2013
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Section 1.0 Description

The AA35-100 is identical to the AA35-001 with the following exceptions:

- a) The panel-mount chassis is replaced with a bulkhead mount style chassis.
- b) The faceplate and backlighting are not installed.
- c) The external control potentiometers are replaced with internal trimpots.
- d) Unfiltered connector J1 is replaced with a filtered connector.
- e) An insulator is installed between the external connector J1 and the PCB M1 to maintain isolation between power ground and chassis ground.
- f) The Physical Specifications for the AA35-100 are as follows:

	AA35-100
Mounting	Bulkhead, with four 10-32 screws
Height	1.12" (28.4 mm)
Depth	4.82" (120.7 mm)
Width (max)	5.90" (149.9 mm) (incl. Flanges)
Width (box)	4.90" (124.46 mm)
Weight	0.97 lb (440 g)
Faceplate	N/A

Section 2.0 Installation

For installation information and drawings, see SM25 Section 2.0, with the following exceptions:

- a) The internal trimpots, accessed through the side of the unit opposite to the connector (shown below), are used to control the volume level of the independent channels as identified. Rotating the trimpot clockwise will increase the volume, and counterclockwise will decrease it.

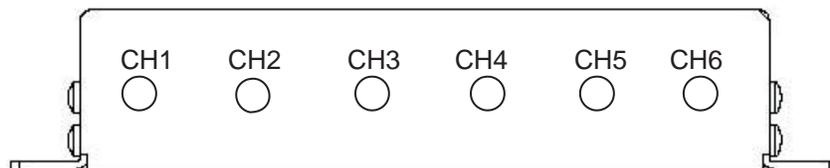


Figure 1 – trimpot locations



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2.1 Installation Drawings

The drawings specific to this derivative are listed below and can be found at the end of this supplement.

DOCUMENT	REV.	DESCRIPTION	TYPE	SERIAL
AA35-100				
AA35\100\403-0	1.00	Audio Mixer Panel	Interconnect	All
AA35\100\405-0	1.00	Audio Mixer Panel	Connector Map	All
AA35\100\922-0	1.01	Audio Mixer Panel	Mech. Installation	All

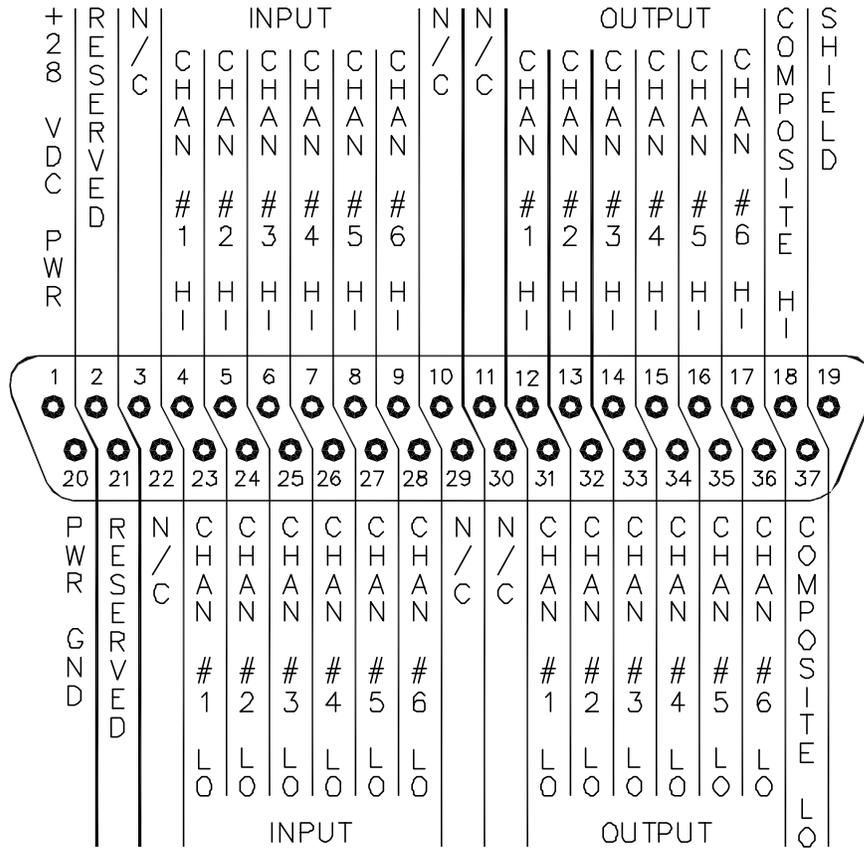
Section 3.0 Operation

For operation information, see SM25 Section 3.0 with the following exceptions:

The AA35-100 Audio Mixer Panel is a bulkhead mount unit with no faceplate, and has no operator accessible controls. During installation, it may be determined that internal level adjustments are required. Qualified personnel only shall complete internal level adjustments.

End of Supplement

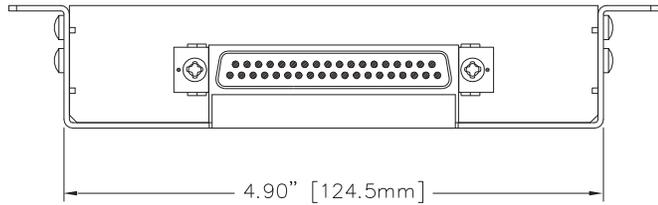
P101
37 PIN FEMALE D-MIN
MATING CONNECTOR



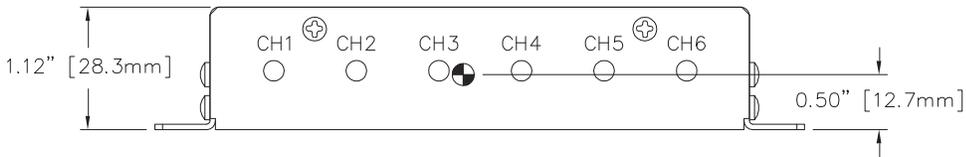
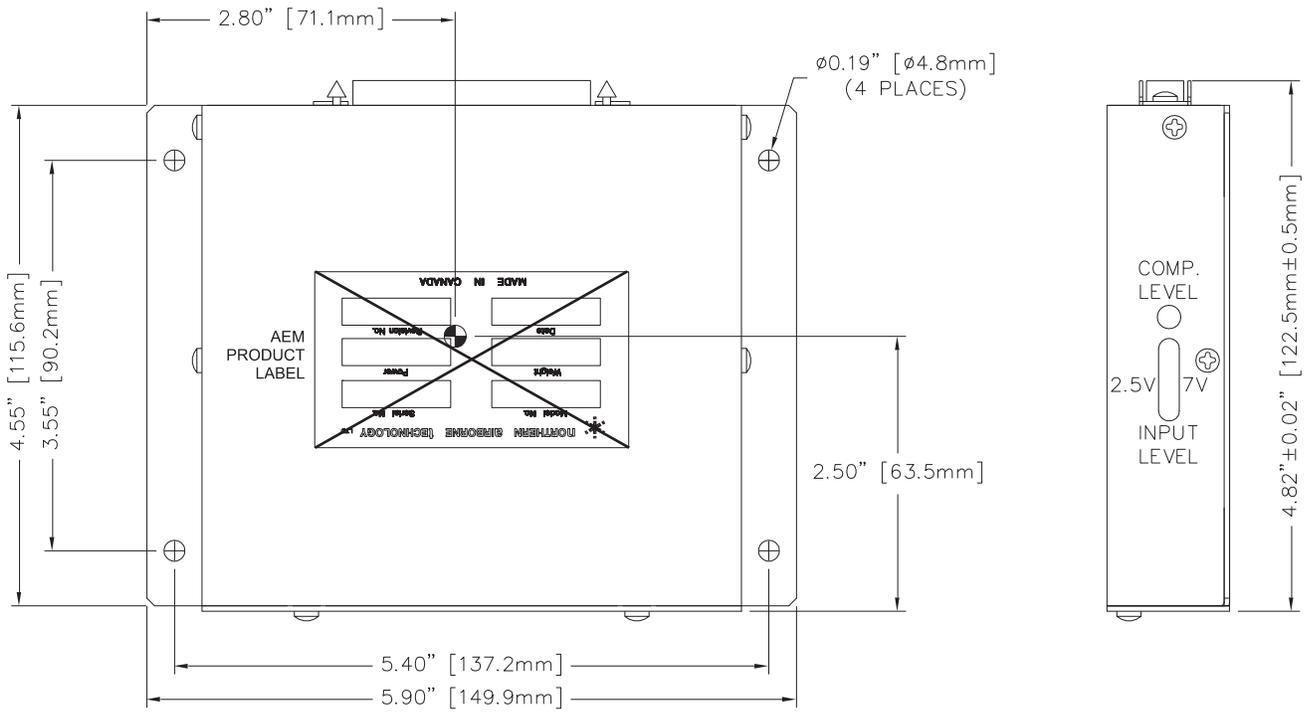
VIEW IS FROM REAR OF AIRFRAME CONNECTOR

DESIGNED	KV	NORTHERN AIRBORNE TECHNOLOGY LTD.					
DRAWN	MWS						
DATE	APR 9/96	TITLE AUDIO MIXER PANEL					
CHECKED							
APPROVED		SIZE A	CAGE CODE 3AB01	PART NO. AA35-100	REV. 1.00	SHEET 1/1	
FILE	405-0100.DWG	DWG. TYPE CONNECTOR MAP		DWG. NO. AA35\100\405-0			

REVISIONS			
REV	DESCRIPTION	DATE	BY
1.01	ECR #1112 – LABEL ROTATED 180° AND CENTERED, WEIGHT ADDED, FORMAT CHANGES.	AUG 23/99	TAT



Reviewed/Approved	
Date 03/07/2011	Initial Tony Pearson Designer Mar 7, 2011



WEIGHT: 0.90 lbs (0.4Kg)
 CENTER OF GRAVITY

PROPRIETARY AND CONFIDENTIAL TO NAT LTD.

TOLERANCES UNLESS STATED OTHERWISE 0.X=+/-0.030 0.XX=+/-0.010 0.XXX=+/-0.005 0.XXXX=+/-0.002 ANGLE=+/- 0.5 DEG.	DIMENSIONS IN INCHES THIRD ANGLE PROJECTION 	DESIGNED	KV		NAT NORTHERN AIRBORNE TECHNOLOGY LTD.				
		DRAWN	MWS						
		DATE	APR 9/96		TITLE				
		CHECKED	NAT 228	NAT 214	AUDIO MIXER PANEL				
MATERIAL		APPROVED			SIZE	CAGE CODE	PART NO.	REV.	SHEET
FINISH		FILE	922-0101.DWG		A	3AB01	AA35-100	1.01	1/1
					DWG. TYPE	MECH. INSTALLATION		DWG. NO. AA35\100\922-0	