

READ THIS FIRST!

Save Time and Avoid Damage!

We realize that you will want to start installing your new equipment right away. But, you will save time and avoid costly damage by taking a few moments to review the following helpful information before you proceed.

1. Installation and Cable Connections

Before turning the power on, consult the "Installation" section of this manual to obtain specific advice about cable connections, switch settings and jumper configurations.

2. Operation

See the "Operation" section for proper use of your new equipment.

3. Calibration

All Ross Video Terminal Equipment is factory calibrated. Adjustment of sealed calibration components or any repairs to this unit, are to be performed by an authorized Ross Video technician. Unauthorized repairs will void your Warranty.

In Case of Problems

If you encounter any problems with the installation of this unit, please call our Customer Service Department at (613) 652-4886, 24 hours a day, 7 days a week.

Advice is available, without charge, for the life of this equipment, not just for the warranty period.

Section 9

ARP 7805 Audio Remote Gain Panel Issue 1

ARP-7805 • Audio Distribution Amplifier – User’s Manual

- Ross Part Number: **VM-7805-01**
- Document Issue: **1**
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Introduction

The RGP 7805 Remote Audio Gain Panel has been designed for remote gain control of the Ross RSA 7806 Remote Gain Stereo Amplifier. The single rack unit control panel module provides twelve 10K pot controls which are connected to the rack frame via three 14 pin terminal blocks at the rear of the panel. The three rear terminal blocks provide three connections for each of the twelve controls: +5V, the control wiper, and a ground.

Inter-connection between the panel and the rack frame is made using a standard shielded audio twisted pair cable. Single or multiple channel control is possible by wiring each channel's remote control pins independently or connecting multiple channel controls together and wiring them to a single control panel pot.

The audio signal inputs and remaining outputs are connected according to the standard stereo wiring template outlined on the rear of the rack frame.

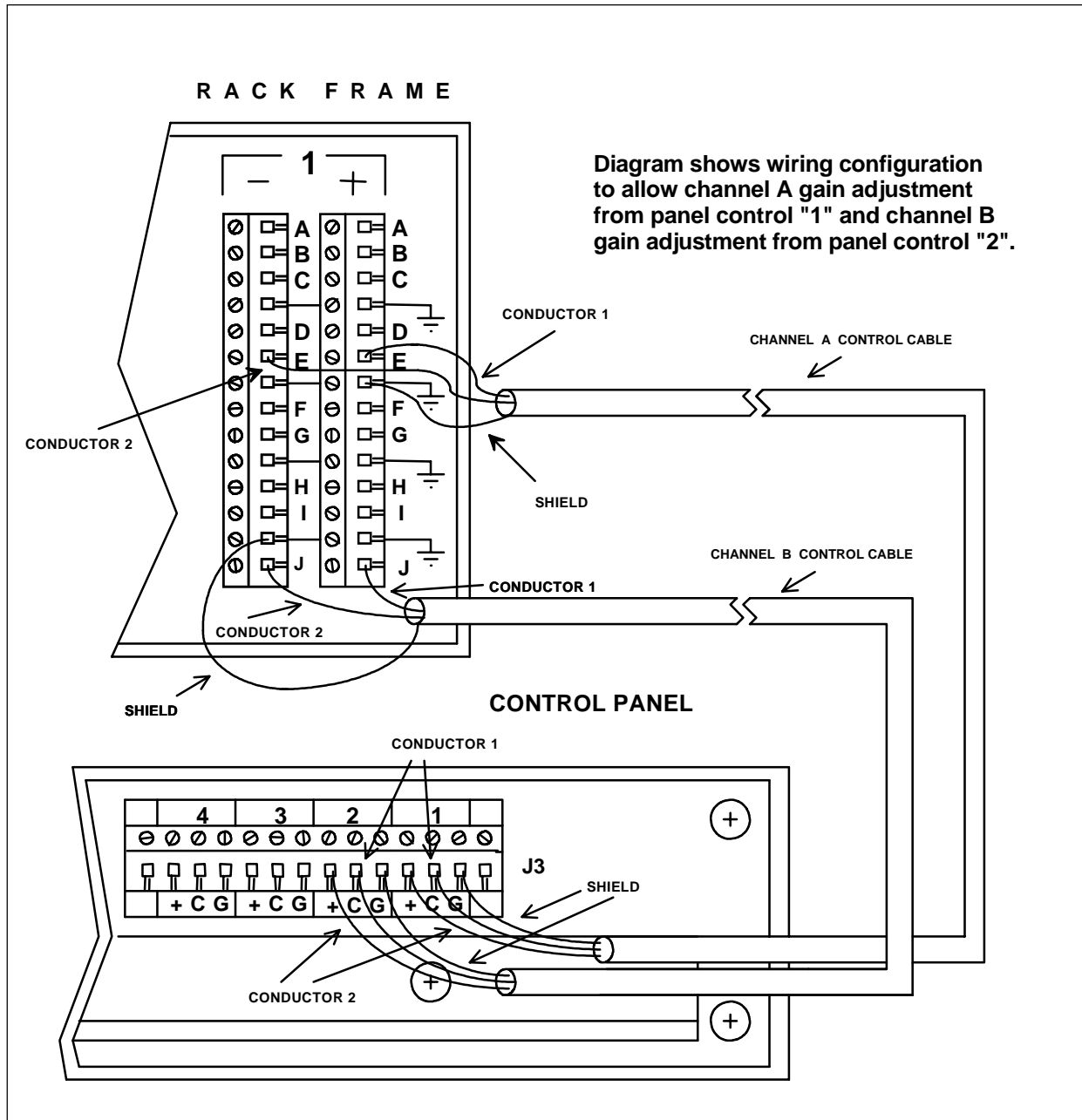
Installation

1. Install the RSA 7806 distribution amplifiers in an Audio distribution frame.
2. Determine the remote panel location and the number of controls you will require for the installation. Run a shielded twisted pair cable for each control in which you wish to use, from the panel to the frame location. Be sure and identify each cable to allow for proper allocation of each channel control.
3. Once the cables have been routed, at the control panel, wire the three conductors of each cable to the desired control. Connections are as follows:

PANEL CONTROLS 1 - 12

<u>CONTROL PANEL IDENTIFICATION</u>	<u>DESCRIPTION</u>	<u>CABLE CONDUCTOR</u>	<u>FRAME IDENTIFICATION</u>
"G"	GROUND	SHIELD	GROUND
"C"	POT WIPER	CONDUCTOR 1	"E +" (<i>channel A</i>) or "J +" (<i>channel B</i>)
"+"	+5V	CONDUCTOR 2	"E -" (<i>channel A</i>) or "J -" (<i>channel B</i>)

Refer to the diagram on page 9-3.



ARP-7805
Bill of Materials

7805A-102 Issue 1

Item	QTY	Description	Part Number
1.	12	KNOB, 0.51 IN, 1/8SH, BLK+IND ROG, RB-67-0-DC-M-L-1/8	610-001
2.	8	NUT, HEX, KEPS 4-40	650-005
3.	1	PAN, D/A, AUD, R/G	7805-102-01
4.	1	SUPPORT, CABLE, PAN, AUD, R/G	7805-103-01
5.	1	PCBA, PAN, D/A, AUD, RE/GAIN	7805A-002
6.	3	SCREW, MATCH, 4-40, 1/4, FLAT	850-039
7.	3	SPACER, HEX, 1/4 DIA*1/2 IN 608-135	870-025

NOTES

Ross Gear Terminal Equipment • Warranty and Repair Policy

This **Ross Gear Terminal Equipment** product is warranted to be free of any defect with respect to performance, quality, reliability and workmanship for a period of **FIVE (5)** years from the date of shipment from our factory.

In the event that your **Ross Gear** product proves to be defective in any way during this warranty period, we will gladly repair or replace this piece of equipment with a unit of equal or superior performance characteristics.

Should you find that this **Ross Gear** product has failed after your warranty period has expired, we will repair your defective piece of equipment for as long as suitable replacement components are available. You, the owner, will bear any labour and/or component costs incurred in the repair or refurbishment of said equipment, beyond the **FIVE (5)** year warranty period.

Should your **Ross Gear** product be of our **Digital Terminal Equipment** product line, a power supply, or carries any surface mount devices, proves to be defective, we would ask that your piece of equipment be repaired by an authorized **Ross Video Limited** factory representative. Any attempt to repair this product by anyone other than an authorized **Ross Video Limited** factory representative, will void your warranty.

If this is a manual for a **Ross Gear** product of our **Digital Terminal Equipment** product line, a power supply, or piece of equipment which carries surface mount devices, you will find it provides all pertinent information for the safe installation and operation of your Ross Gear product.

If this is a manual for a **Ross Gear** product from our **Analog Terminal Equipment** product line, you will find it provides all pertinent information for the safe installation and operation of your **Ross Gear** product. Included in this manual if this product does not carry any surface mount devices, you will also find schematics, bills of materials and layout drawings. These are provided for your convenience, should you find it necessary to perform discretionary field repair or modifications to your **Ross Gear** product.

Ross Video Limited reserves the right to assess any modifications or repairs made by you and decide whether they fall within warranty limitations, should you decide to return your **Ross Gear** product for repair.

In no event shall **Ross Video Limited** be liable for direct, indirect, special, incidental, or consequential damages (including loss of profits) incurred by the use of this product. Implied warranties are expressly limited to the duration of this warranty.

In Case of Problems:

Should any problem arise with your **Ross Gear Terminal Equipment Product**, please contact our **Customer Service Department** at **613-652-4886**, 24 hours a day, 7 days a week.

A Return Material Authorization number (RMA) will be issued to you, as well as specific shipping instructions, should you wish our factory to repair your **Ross Gear** product. A temporary replacement, if required, will be made available for a nominal charge. Any shipping costs incurred, will be the responsibility of you, the customer. All products shipped to you from **Ross Video Limited**, will be shipped collect.

Ross Gear Terminal Equipment product advice is available without charge for the life of this equipment, not just the warranty period.