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GT8 x 8 Instruction Sheet

Introduction:

Well done for purchasing a hand-built, eight channel, eight bus *Absolute* line mixer. The *Absolute* line of small mixers differs from our normal Class A discrete transistor products because we don't want these mixers to add any artifacts to the sound of the GTM822. We want the sound to be as pure as possible... hence the term *Absolute*.

Unpacking Instructions:

Carefully remove the unit from the custom foam packing. The power supply works from any ac voltage from 85 volts to 240 volts, 50 and 60Hz.

Operating Guide:

All channels and bus output connections are via TRS 1/4" jack sockets. There are also two unity gain 25 pin D-Sub connectors, one for the bus outputs and the other a direct input to the eight mix busses. These connectors are used when cascading two or more 8 x 8 *Absolute* line mixers together.



There are two inputs per channel marked "PRE INPUT" and "POST INPUT". The PRE INPUT normally wires to the GTM822's channel pre-fade insertion send jack and the PRE RETURN jack is in parallel with the PRE INPUT jack and intended as a loop through to a patch bay so that the GTM822's insertion path is retained. The POST INPUT is wired to the GTM822 channel output XLR.

The PRE/POST switch on the front panel selects either of the inputs although, obviously, they could be used with any two sources and not necessarily the GTM822. The unit was designed to enhance the features of the GTM822 but could also be used as a stand-alone device.

The red channel input level potentiometer has 10dB gain at fully clockwise to accommodate low input levels. There are 8 bus assign buttons arranged in two columns with odd numbered busses on the left and even numbered busses on the right. A pan-pot is selectable by pressing the "STEREO" button which enables the signal to be panned between the left and right column busses.

At the top of the unit are the eight, blue, output bus level potentiometers. These are unity gain (0dB) when at fully clockwise.

The GT8 x 8 *Absolute* has a wide number of uses and applications. It was designed originally to provide the GTM822 with eight more mix busses for effects sends, etc. As it has the option for pre-fade inputs and stereo panning, it could also be used as an eight input, four stereo output, cue headphone mixer.

The GT8 x 8 *Absolute* can be expanded to 16, 24 or 32 channels by means of cascading the 25 pin D-Sub connectors and the inputs could also be linked to provide 16, 24 or 32 busses. It is a very flexible mix system!

Specifications:-

Channels:

- Gain = +10dB
- Input Impedance = 18Kohms (electronically balanced)
- Common Mode Rejection Ratio = 50dB @ 60Hz
- Slew Rate = 12 volts per microseconds
- Input Headroom = > 26dB

Outputs:

- Gain = 0dB
- Output Impedance = 50 ohms (electronically balanced)
- Common Mode Rejection Ratio = 65dB @ 1KHz
- Frequency Response = 20Hz to 20KHz \pm 0.5dB
- Noise = < -75dBu (Weighted 20Hz to 20KHz)
- Crosstalk = < -65dB @ 1KHz
- Headroom = > 26dB

Power Supply:

- Input Voltage = 85v to 250v ac, 50/60Hz
- Power = < 20 watts

Warranty: ONE YEAR PARTS AND LABOR LIMITED WARRANTY

Aurora Audio International warrants this *Absolute* unit against defects in workmanship for a period of one year and parts for a period of one year from receipt by the original end user. This warranty shall not apply to damage resulting from misuse including water damage, in-transit damage, fire damage, improper maintenance, dropping the unit and operation or storage outside the environmental specification for the product.

Do not try to repair this *Absolute*. There are no user serviceable components inside. Only qualified Aurora Audio International technicians are authorized to repair this unit.
WARRANTY VOID IF CASE IS OPENED

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