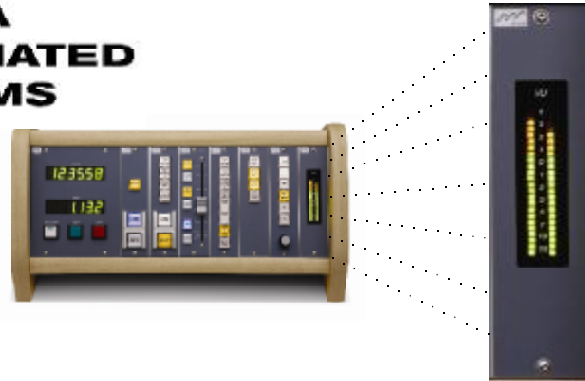




**SIERRA
AUTOMATED
SYSTEMS**

Turret-Mounted Audio Level Meter TP-MTR1



The TP-MTR1 is our turret-mounted analog audio meter. It displays stereo audio levels of a balanced audio signal applied to its input. Nominal 0 Vu level is +4dBm.

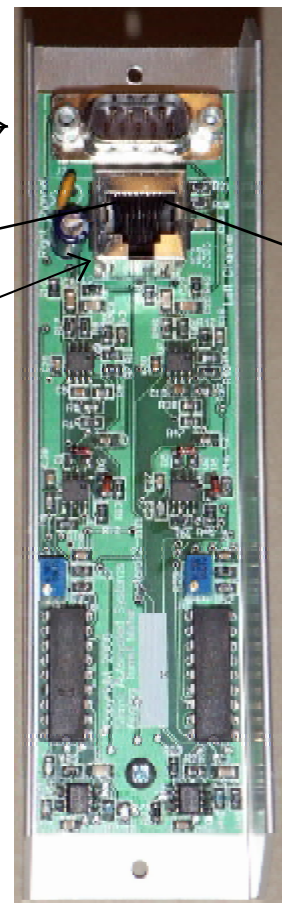
Connections - There are two “parallel” Power and Audio connectors on the TP-MTR1, an RJ-45 female and a D-Sub 9-position male. These connectors were chosen, and their pinouts configured to be easily used with other SAS turret panels. In factory-wired Rubi-T installations, we generally use the D-Sub 9 connector to get Power to the module, usually jumpered over from a connector on another module in the system. Then we feed it audio on the RJ-45 - other schemes are perfectly acceptable, just note that you should NOT simply daisy-chain RJ-45 or D-Sub 9 connections pin for pin between a TP-L4 or other RS-485 control modules and the meter module, as the RS-485 bus(es) on the controller modules would be directly connected to Left and Right audio inputs of the meter.

D-Sub 9 Pinout

| Pin | Function |
|-----|---------------|
| 1 | Gnd |
| 2 | Gnd |
| 3 | V+ (12VDC) |
| 4 | Left Audio + |
| 5 | Left Audio - |
| 6 | Gnd |
| 7 | n/c |
| 8 | Right Audio + |
| 9 | Right Audio - |

RJ-45 Pinout

| Pin | Function | T568B Patchcable Wire Color |
|-----|---------------|--------------------------------|
| 1 | Left Audio + | white/orange |
| 2 | Left Audio - | orange |
| 3 | Gnd | white/green |
| 4 | +12VDC | blue |
| 5 | +12VDC | white/blue |
| 6 | Gnd | green |
| 7 | Right Audio + | white/brown |
| 8 | Right Audio - | brown |



RJ-45
pin 1

RJ-45
pin 8

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