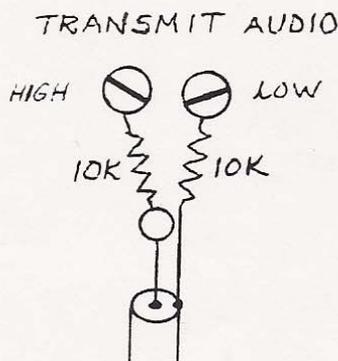


Interfacing the RC-850 Repeater Controller to the GE Mastr II Repeater

1. The GE Mastr II repeater includes a control board. Since this is not used when the repeater is interfaced to the RC-850 repeater controller, remove the control board from the control shelf.
2. Remove the 10 volt regulator control board and cut the jumper between H16 and H17 (RX1 Mute). Reinstall this board.
3. Remove the audio board. The audio from this board goes to the repeater audio input, but it must first be modified. Find the 180 ohm resistor R60 and lift the end that leads to B14 (Transmit Audio High). Wire the Receive Audio input from this point to the RC-850 "RX" phono jack. The ground of this cable goes to ground of the phono jack. Reinstall the audio board.
4. Wire "TX" phono jack transmit audio to MIC high and its ground to MIC low on the rear shelf of the control shelf. Install two 10 Kohm 1/4 watt resistors, one each in series with each leg (center conductor and ground) of the MIC transmit audio. See the diagram below.



5. Wire the controller's "Repeater Receiver COS" signal on the DIGITAL I/O connector, pin 17, to J904 pin 8 RUS line. Ground at pin 17 to J904.

This completes the modification on the GE Mast II repeater.