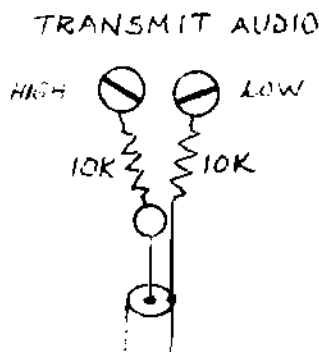


Interfacing the RC-85 Repeater Controller to the GE Mastr II Repeater

1. The GE Mastr II repeater includes a control board. Since this is not used when the repeater is interfaced to the RC-85 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-85 J4 pin 7. The ground of this cable goes to ground on the board. Reinstall the audio board.
4. Wire J4 pin 8 transmit audio high to MIC high and 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 of the MIC transmit audio. See the diagram below.



5. Wire the repeater RX COS input pin 1 J3 to J904 pin 8 RUS line. Ground at pin 17 to J904. This completes the modification on the GE Mast II repeater.