

# MODEL 2105 Wireless Base Station ADAM Matrix Modification

7-14-00

Model 2105.DOC

## Single Base Station Operation

When connecting the Model 2105 Wireless Intercom Base Station to a four wire ADAM Matrix Intercom, set the internal intercom level switch S-112 to the HIGH position and install a 200 ohm termination plug into J-103 on rear of the base station.

*Remove or clip one end of R-168 to eliminate side tone on Aux connector only.*

*Change R-169 and R-173 to 47K ohms to boost Aux output level to matrix intercom to +8dB.*

Enable front panel "AUX AUDIO" and appropriate belt pack push buttons on front panel of base station.

Set internal dip switches (S-104) for RTS operation as follows:

1	2	3	4	5	6	7	8	9
OFF	OFF	ON	OFF	ON	OFF	ON	ON	OFF

### XLR PIN-OUT

AUX IN/OUT

PIN 2 = PHASE

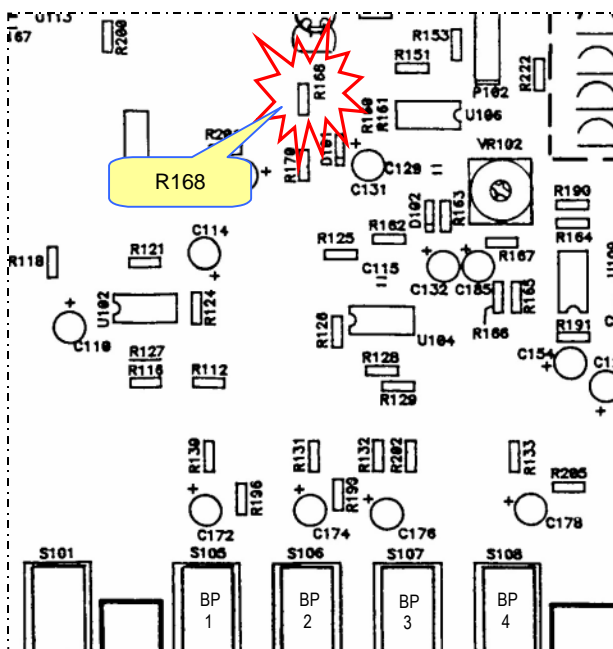
PIN 3 = ANTI-PHASE

Connect a four wire matrix port to the "AUX IN/OUT" connectors (J-101/J-102). The system is now ready for operation.

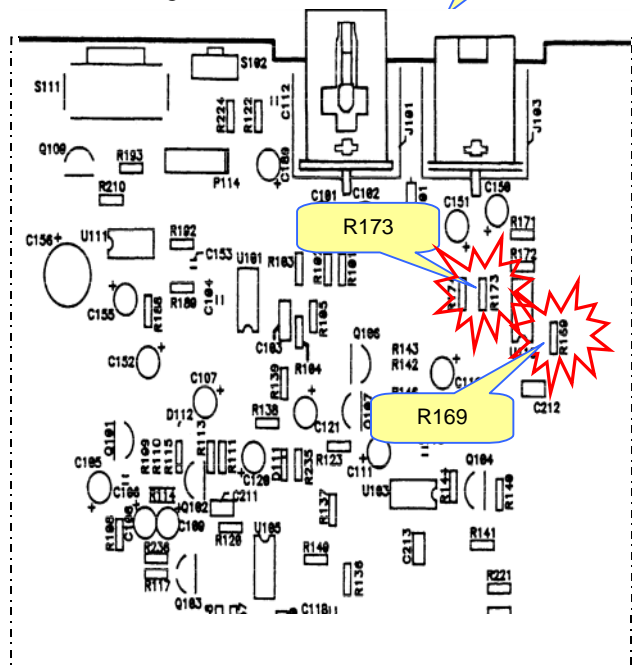
**IMPORTANT:** Mark these modifications clearly on each unit for future servicing reference.

## Dual Base Station Operation

- If two base stations are installed for operation with more than four wireless belt packs (up to 8) the interconnect is as follows:
  - 1.) Ensure all wireless belt packs have the same receive frequency but up to 8 different transmit frequencies.
  - 2.) Ensure the "Primary" base station has the same transmit frequency as all the belt pack receive frequencies.
  - 3.) Install a 200 ohm termination plug in each J-103 connector on the base stations.
  - 4.) Remove R-168, change R-169 and R-173 per above.
  - 5.) Set internal dip switches (S-104) to RTS per above.
  - 6.) Connect each wireless base station to a port on the matrix via their "AUX IN/OUT" connectors (J-101/J-102).
  - 7.) Set "Transmit" switch on the "Primary" base station to "Continuous".
  - 8.) Disable the transmit function on the "Secondary" base station.
  - 9.) Enable the front panel "AUX AUDIO" push button on both base stations.
  - 10.) Setup both base stations on a conference line (PL) via ADAMedit configuration software.



Belt Pack Enable Switches on Front Panel



Aux Conn's.