

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

<u>XLR PIN-OUT</u>
AUX IN/OUT
PIN 2 = PHASE
PIN 3 = ANTI-PHASE

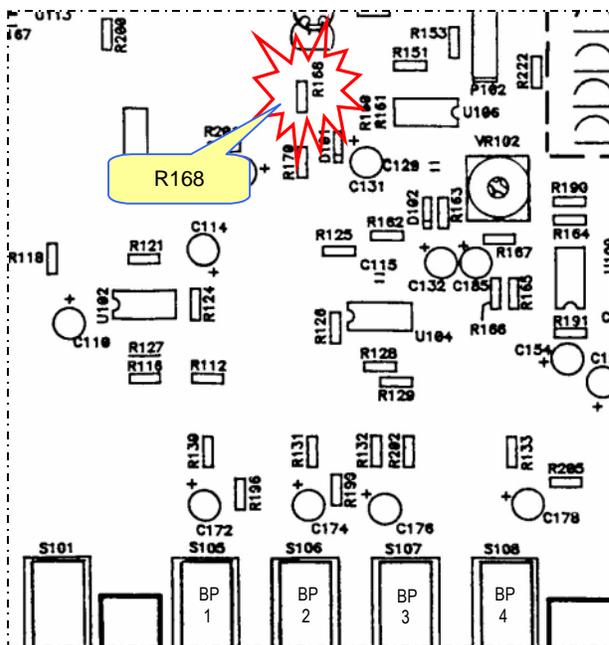
Connect a four wire matrix port to the "AUX IN/OUT" connectors (J-101/J-102). The system is now ready for operation.

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

