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Production Intercom

Applications Note

OG904 in a BP-1

Instructions for Installing an OG904 Override Generator PC board in a BP-1

1. On the OG904 Board:

a) Link the 'enable' and 'logic' pins with buss wire, soldered.
b) Remove links B and C
c) Install a TA2UEE-A (not make-before-break) switch button in position SW1
d) Install a yellow bull's eye push button
e) Make the switch non-latching

2. Getting power from the BP-1 board to the OG904 board:

a) Using twisted red and black wire, connect via Molex to pins 2 and 3 on SKT1 on the OG904 board. The red conductor (+) should go to pin 3 and the black to pin 2
b) Connect the red conductor to the hole marked B on the BP-1 board. The hole is located near the back corner of the signal light switch
c) Connect the black conductor to the hole marked E on the BP-1 board, The hole is located beside the NC3FD input XLR

3. Routing the 25kHz tone from the OG904 to the BP-1:

a) Prepare a short length of flexible single-conductor shielded wire.
b) To one end install a three-position Molex connector with the conductor going to pin 1 and the shield to pin 2.
c) At the other end, trim back the shield and insulate it from touching anything. The shield is NOT connected at this end.
d) Connect the conductor to the back terminal, right side, of the microphone On/Off switch.

4. Punch a hole in the front plate for the new switch

5. TEST:

With the BP-1 in a circuit, and the Override button pressed, test for the presence of the 25kHz override-tone either by using an LS-3 or by measuring for 25kHz on pin 3 of the NC3MD output XLR.

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