

Mixer Modification

When the Wantok mixer was originally designed and used in the SBS-1, it had a second output that was reduced to a low line level. The purpose of this was so it could be used with a standard PA system to broadcast at football games over a Public Address system and broadcast over radio at the same time.

With the advent of the SBS-2 Digital console, the majority of locations are now requesting two Hi Level audio outputs so that one might be used to feed signal to a logging recorder. This permits recording your broadcasts as you broadcast so they can be used again or re-scheduled at different times.

All Wantok mixers in future will have two high level outputs. The purpose of this note is to tell you how to modify your existing mixer in the field if you wish to change it from a low level output to a high level output.

All that is required is the removal of four resistors from the back board of the mixer. If you have one of the newer mixers, it may have surface mount resistors as shown in the picture below.



If you have one of the older mixers, it may have the through hole resistors as shown below.



Step 1

Remove the mixer back board from the mixer by removing the five screws holding the cover on the mixer.

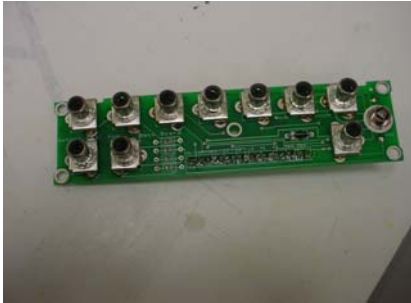
Step 2

Remove the screws from the bottom of the mixer that hold the main board in place.

Once the main board is loose, pull it out of the back board and place the top part of the mixer and main board out of your way.

Step 3

Unscrew the 5 screws holding the back board in place and place it on your workbench.

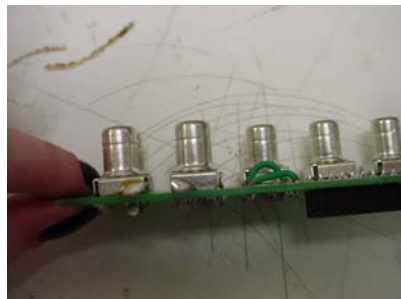
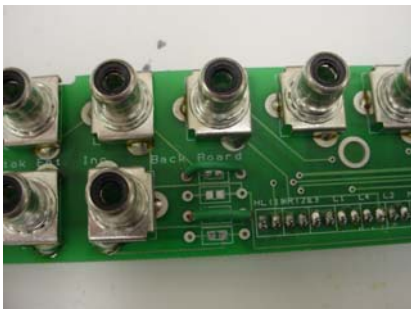


Step 4

Remove the resistors from the backboard as shown.



Step 5



Place wire jumpers, or shorting bars across 1st and 3rd connection points as shown.

Step 6



Remount the back board back in the mixer case. Plug the main board into the back board with the pin connector and put the screws back in the bottom of the mixer that hold the main board. Make sure you use the stand off spacers to keep the main board fixed in place.

Step 7

Place the top of the mixer back on and replace the five screws that hold it in place. The mixer outputs should now be of equal level.

RCA Modification

If you need a low level output, the resistors you removed can be placed at the back of the RCA jacks on the console to knock the signal back down. Otherwise, what used to be the low level outputs will now be high level outputs and suitable for logging.



If you have any questions, contact info@wantokent.com and we will do our best to assist you.