

## Service Bulletin

Service Bulletin no	170710
Date	10 <sup>th</sup> July 2017
Product	ZONE4 with ALINP
Subject	Compatibility improvement
Production codes	all

We have noticed that when ALINP is connected to the MIC2 or MIC3 inputs of ZONE4 that whilst it functions it is difficult to accurately control the level of the applied source and some distortion can be experienced. This is because the ZONE4 mic2 and 3 inputs have a very high gain of -16dB to -56dB. To improve the situation, the following modification can be made to ZONE4. Please note that this modification is only required if ALINP is to be connected to the MIC2 or MIC3 input of ZONE4. It is not recommended that any stock is updated with this modification and this is only carried out when ALINP is to be used on the specified input.

Due to the risk of electric shock be sure to remove any mains power before opening the device. For safety reasons, and to retain warranty, all modifications should only be done by an Apart authorized repair service.

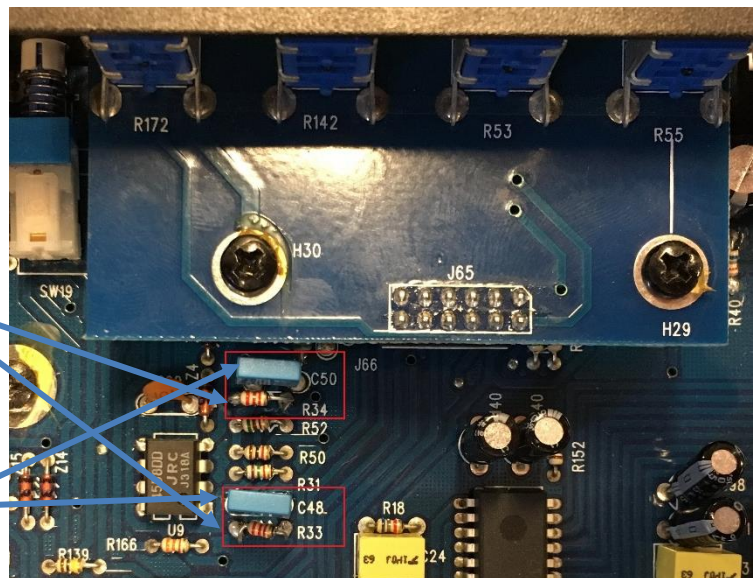
Remove the lid of the ZONE4 and locate the main circuit board inside

### Modification of MIC3 input

Replace the following components: -

R33 & R34  
change from 47k to 2k2

C48 & C50  
change from 100pF to 2.2nF



## Modification of MIC2 input

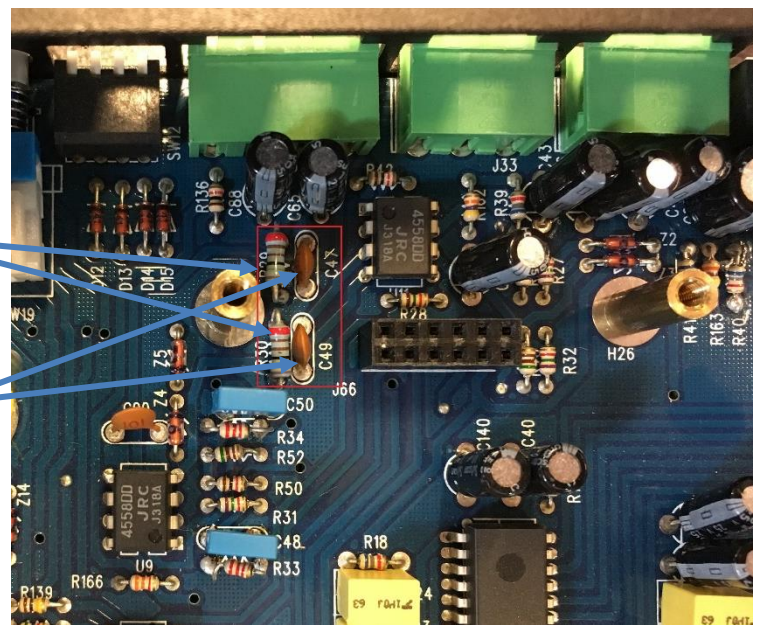
Remove the two screws H29 and H30 and remove the small pcb



Replace the following components: -

R29 & R30  
change from 47k to 2k2

C47 & C49  
change from 100pF to 2.2nF



Carefully replace the small PCB and avoid folding the connector pins, refit screws H29 and H30. Replace the lid of the device and fully test for normal functionality.

After this modification the range of the ZONE4 MIC 2 and MIC3 inputs will be from +10dB to -30dB. It should therefore be noted that a normal dynamic mic will not function correctly on this modified input.

It is suggested that the ZONE4 is marked, indicating that this modification has been applied.