RAD Repeater Audio Delay

The Arcom RAD offers all-digital high performance operation. By using the RAD, you can eliminate squelch bursts when users unkey their radios and completely mute all DTMF. The RAD can provide from 85 milliseconds to over 200 ms of audio delay, easily adjusted by a potentiometer.

Hookup

Depending on which version of the RAD you purchased (1, 2 or all 3 Ports), there may be space for uninstalled parts on your pc board. The 5 pin headers (JP1, JP2 and JP3) are used to make the connections to the RC210. The interconnections between the RC210 and RAD are as follows:

RC210	RAD	Port
JP10	JP1	1
JP11	JP2	2
JP12	JP3	3

When connecting the RAD to the RC210 Deluxe Repeater Controller, you simply connect the supplied cable between the appropriate connectors on the RAD and the RC-210, depending on which port you wish to have audio delay. See the RC-210 Hardware Manual for details about these connectors. ***Be certain the red wire lines up with Pin 1 of the respective connectors, as marked on the PC board. Failure to observe this will result in damage to the RC210 and/or RAD***

Pinout

1	+12 In
2	Audio In
3	Delayed Audio Out
4	Ground
5	COS (active low)

Adjustment

Adjusting the amount of delay couldn't be simpler. Simply adjust the blue trimpot R51, R35 or R16 for the desired amount.

RAD 4.0

Copyright Arcom Communications