

## BCR Repeater to RLC and DSP-404 Controller

Cable used: Belden 9537

Color	Function	RLC DB9 – Male	BCR DSUB 25 - Male
Black	GND	9	25
Orange	PL Decode Valid * (Active LO)	2	17
White	RX Audio In	5	8
Blue	TX Audio Out	4	19
Red	Not Used		
Green	COR Output from RX Active High **	7	12
Brown	PTT Out – Goes to PTT In of Repeater	3	20
Shield	Shield – GND	9	25

\*Pull up resistor required

RLC 10pos SW- 1,2,4,5,6,7 OFF 3,5,9,10 ON

BCR repeater DE-EMPAHSIS OFF, RLC PRE-EMPHASIS, DE-EMPHASIS ON

\*\* The BCR Repeater internal high power FET is called into service to provide a solid positive going signal when COS is active, Jumper with a 4.7K ohm resistor pins 11-1 on Bridgecom. Pin 12 has a 4.7K ohm resistor to GND to provide reference.

Also, in order to pad gain to the TX Audio Out, a 4.7K resistor is placed in series with BCR pin 19 and RLC pin 4.

