

BCR Repeater (BCR-50V, BCR-40U, and BCR-220)

## Connectivity to STM\_32\_DVM Version 2

<http://www.repeater-builder.com/products/stm32-dvm.html>

Cable used: Belden 9537, however 5 conductor cable with shield is perfect.

Color	Function from STM_32 DVM perspective	9 Pin STM DSUB Male	BCR DSUB 25 Male
Black	GND	9	25
Orange	PL Decode Valid Active LO	3	17
White	RX Audio In	6	8
Blue	TX Audio Out –	2	21 *
Red	NOT USED		
Green	NOT USED		
Brown	PTT Out – Goes to PTT In of Repeater	5	20
Shield	Shield – GND	9	25

\* When using the modem calibration program, use P1 on the repeater's accessory board to measure 1.5 Vdc on TP1. This ensures maximum dynamic range as the modem TX data meets the transmitter's TCXO.