

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

Connectivity to UDRC-II

Cable used: 7 CONDUCTOR w/shield

Function from UDRC Perspective	HD-15 Male	BCR DSUB 25 Male
GND	5 (or 10)	25
COS / PL Decode	3	17
RX Audio In	8	8
TX Audio Out –	6	21 *
PTT Out – Goes to PTT In of Repeater	2	20
Shield – GND	5 (or 10)	
+13.8VDC from Repeater	15	1
Turn off CTCSS/DCS Encode to repeater	1	24

* When UDRC is transmitting modem data, 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.