

Connection Notes

STM32-DVM to Yeasu VX3200 Mobile

Cable Information:

STM32-DVM	Signal	VX3200 DE-9M	Notes
1	N/A		
2	→→ TX Audio (Flat / 9600 Baud) →→	3	
3	←← DVM Inhibit (Act. Low) ←←		
4	←← RSSI ←←		
5	→→ PTT →→	7	
6	←← RX Audio (Discriminator) ←←	2#	
7	N/A		
8	←← Ground →→	5	
9	←← +12V →→	8*	

NOTES:

*Pin 8 can be used to feed power to the STM32-DVM V3 **ONLY** if the optional 12v buck converter has been installed and jumper JP1502 in the radio has been closed. Factory default is **open**.

#Pin 2 - Close JP4 and open JP3 internal to the radio for **discriminator audio** out. Factory is JP3 **closed** and JP4 **open**.

DO NOT use on pre-version 3 boards!

RF Unit Jumper Information

JP1501 (JP1): Determine the output supply voltage at pin 8 of DSUB 9-pin Accessory Connector.
Close: +5.0 V (Maximum 100 mA)
Open: No Action

JP1502 (JP2): Determine the output supply voltage at pin 8 of DSUB 9-pin Accessory Connector.
Close: +13.6 V (Maximum 100 mA)
Open: No Action

JP1503 (JP3): Determine the Rx discriminator output characteristic at pin 2 of DSUB 9-pin Accessory Connector.
Close: Flat 10 Hz to 3.0 kHz (140 mVrms / STD deviation with 600 ohm termination)
Open: No Action

JP1504 (JP4): Determine the Rx discriminator output characteristic at pin 2 of DSUB 9-pin Accessory Connector.
Close: Filtered 300 Hz to 3.0 kHz (70 mVrms / STD deviation with 600 ohm termination)
Open: No Action

JP1505 (JP5): No Action (Spare Jumper).

JP1506 (JP6): Define whether the TXData Input at pin 3 of DSUB 9-pin Accessory Connector shall be "on" or "off" according to the external PTT Input signal (pin 7 of DSUB 9-pin Accessory Connector).
Close: on (Enabled)
Open: off (Disabled)

JP1507 (JP7): Determine the TX Data Input level at pin 3 of DSUB 9-pin Accessory Connector.
Close: 400 mVrms / STD deviation with 600 ohm termination
Open: 40 mVrms / STD deviation with 600 ohm termination

JP1508 (JP8): Define whether the Transceiver's power shall be "on" or "off" according to the Ignition Signal Input (pin 9 of DSUB 9-pin Accessory Connector).
Close: Turn the transceiver on when the Ignition Signal Input (pin 9 of DSUB 9-pin Accessory Connector) is turned to "High" while the VOL/PWR knob is set to the "ON" position (out of the click-stop position).
Open: No Action

