

2.0 Accessory Connector Pin Function

Pin	Function	Description
1	External Speaker (-)	Connect external 8 or 4 ohms speaker to pin 1 and 16. Caution: Bridge-type output. Neither pin 1 or 16 is grounded.
2	External Mic Audio	Input impedance: 500 ohms 80 mV rms at 1 kHz for 60% deviation. This path is enabled when external mic PTT is keyed.
3	External Mic PTT	Put this pin low (less than 0.66 Vdc) to key transmitter and enable external mic audio path. This path is pulled low via a diode when front panel mic PTT is pulled low to allow sensing of mic PTT by accessory. This pin pulled high to 3.3 Vdc via 3.3k ohms
4	Programmable Output	Defaults to External Alarm. Provides an active high to 13.8 Vdc battery supply, maximum current: 0.15 amps. CAUTION: Do not short to ground, this may damage the radio.
5	Flat_TX_Audio Input	Input impedance: Greater than 35k ohms. The nominal input level is 150 mV rms for 60% deviation.
6	SCI	Serial Communication Interface. This pin can be configured as a general purpose input by removing resistor R421.
7	Ground	Used as ground.
8	Programmable I/O	Input or output depending on dealer programming.
9	Emergency Input	When connecting the Emergency Footswitch between pin 9 and 7, the radio will sense the connection upon Power-up. Shorting this pin to Ground by pressing the switch when the radio is OFF, turns ON the radio in Emergency Mode. Shorting this pin to Ground by pressing the switch when the radio is ON, activates Emergency Mode. To turn OFF a radio that was turned ON by Emergency Footswitch (ON/OFF knob in OFF position) turn knob to ON and then to OFF position.
10	Ignition Sense	For optional 3-wire ignition control, connect this pin to the vehicle ignition-controlled voltage source for ignition-controlled radio ON/OFF. To resume NON ignition state, remove the battery connection for 10 seconds; remove the ignition connection from this pin and re-connect the battery connections.
11	Receive Audio Output	Programmable (using CPS in the RX Audio Type): 660mV rms (de-emphasized/muted) or 330mV rms (non de-emphasized muted). Minimum load resistance: 5k ohms
12	Programmable I/O	Input or Output
13	Switched B+	(Switched Battery Voltage) 13.8Vdc (500mA max.) when radio is ON
14	Programmable I/O	Input or Output
15	Internal Speaker	Connect to internal speaker (+) and by internal jumper to pin 16
16	External Speaker (+)	Connect external 8 or 4 ohms speaker to pins 1 and 16. CAUTION: Bridge type output. Neither pin 1 nor 16 is grounded.