



## Kantronics 9612XE Radio Port Pinout Information

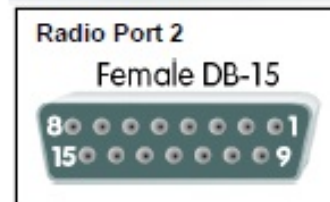
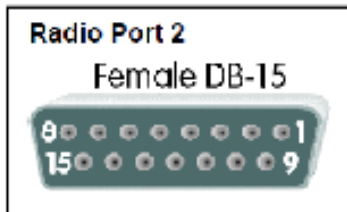


## Kantronics 9612XE Radio Port 1 Pinout Information

Pin no.	Signal name	Function	Related Jumpers
1	TXA	Transmit audio (AFSK out)	J7
2	XCD	External carrier detect (transmit inhibit) (input)	
3	PTT	Push-to-talk (to radio PTT/transmitter enable input)	
4	CTRLB(1200)	Control line B	
5	RXA	Receive audio (AKSK in) 10 KOhm $Z_{IN}$ (620 Ohm jumper selectable)	J4, J5
6	GND	Ground	
7	EXT-IN	External Power / Reset (input)	J2, J3
8	CTRLA (1200)	Control line A	
9	GND	Ground (may be configured as external reset)	J1
Shield	Shield	Shield	

To find corresponding pin-outs for many radios, visit [www.packetradio.com](http://www.packetradio.com).

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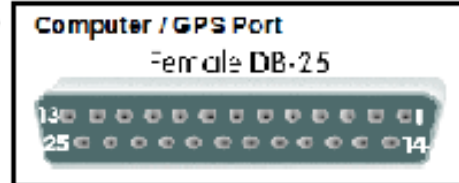


## Kantronics 9612 XE Radio Port 2 Pinout Information

Pin no.	Signal name	Function	Related Jumpers
1	PTT	Push-to-talk (output, to radio PTT/transmitter enable input)	
2	RXA	Receive signal (input)	J13, J16, J17
3	TXA	Transmit signal (output)	J6, J20
4	RXD	Receive signal (digital input)	
5		(not used)	
6	CTLA 9600	Control line A (output) (High-speed port)	
7	CTLB 9600	Control line A (output) (High-speed port)	
8	RX S/N	Receive signal quality indicator (output)	
9	GND	Ground	
10	GND	Ground	
11	GND	Ground	
12	RXC	Receive clock (output)	
13	XCD	External carrier detect (transmit inhibit) (input)	
14	AN0	Buffered A/D channel 0 (input)	J10
15	AN1	Buffered A/D channel 1 (input)	J9

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## Kantronics 9612XE Computer / GPS Port (DB-25) Pinout Information

Pin no.	Signal name	Function	Related Jumpers
1	FG	Frame Ground. Connected to the equipment chassis as a safety ground.	
2	TXD	Transmit Data: Carries data from a Computer or GPS to the KWM-9612+.	
3	RXD	Receive Data: Carries data from the KPC-9612+ / KWM-9612+ to a Computer	
4	RTS	Request to Send. Tells the KPC-9612+ / KWM-9600+ when the computer is ready to accept more input from the KPC-9612+ / KWM-9612+. Used for hardware flow control.	
5	CTS	Clear to Send. Indicates whether the KPC-9612+ / KWM-9612+ is ready to accept more input from the computer. Used for hardware flow control.	
7	SG	Signal Ground. Common reference line for signals. (Internally tied to frame ground in the KPC-9612+ / KWM-9612+).	
6	DSR	Data Set Ready. Indicates the KPC-9612+ / KWM-9612+ is powered up.	
8	DCD	Data Carrier Detect. Signals the status of the current I/O stream to your computer. If you are connected to another packet station on the current I/O stream, this output will have a positive voltage on it. If you are disconnected, the voltage on this output will be negative.	
20	DTR	Data Terminal Ready. Usually indicates when the computer's port is active. Currently ignored by the KPC-9612+ / KWM-9612+.	
25	None / EXT-IN	None / External Power Input / External Reset Input (jumper selectable- default: none)	J2, J3

### Notes:

To prevent damage to your PC or other external device, make sure that the jumpers controlling the use of pin 25 of this port are in their factory default "none" position if you are not using a cable specifically wired for external power / external reset applications.

All cables must be well shielded.