

Tait 8110 Programming Cable

Cable to extend an 8105 programming cable to an RJ45 connector that can be used for 8110 versions with the controller faceplate

2.10 RJ45 Control Head Programming Connector

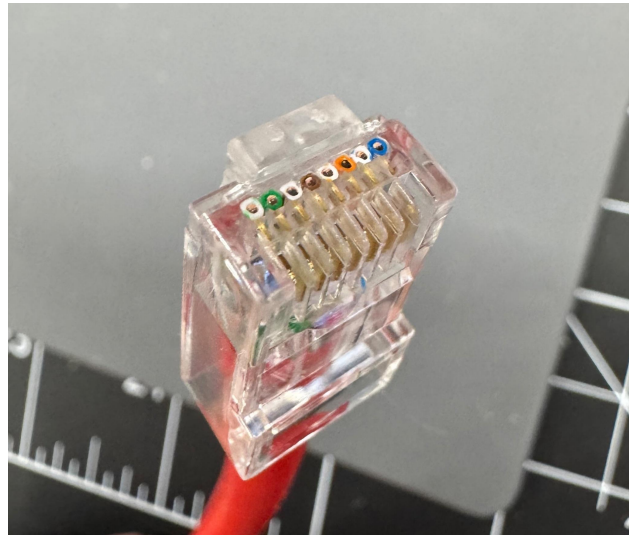
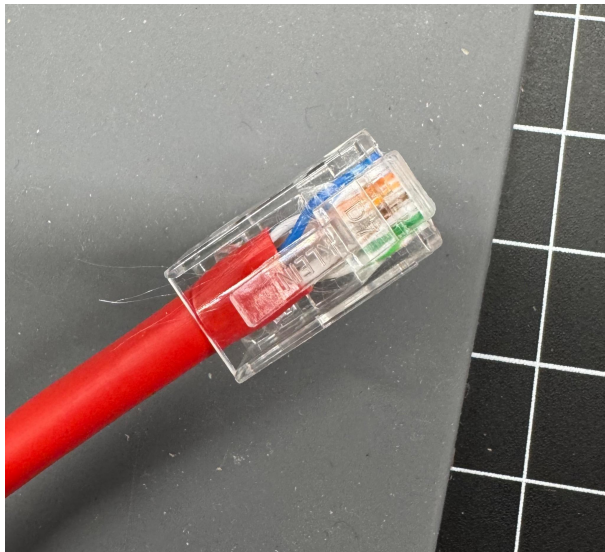
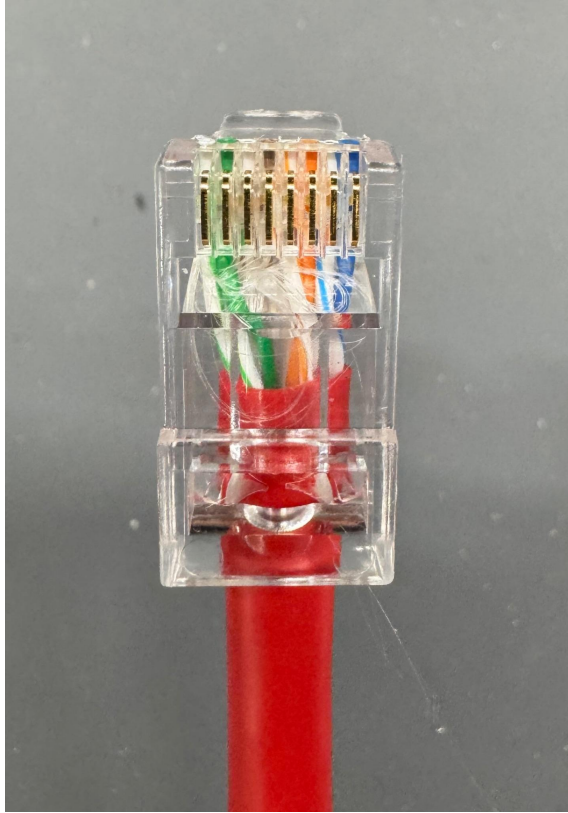
The RJ45 control head has an RJ45 socket for programming (or other purposes, as required), and a power on/off LED.



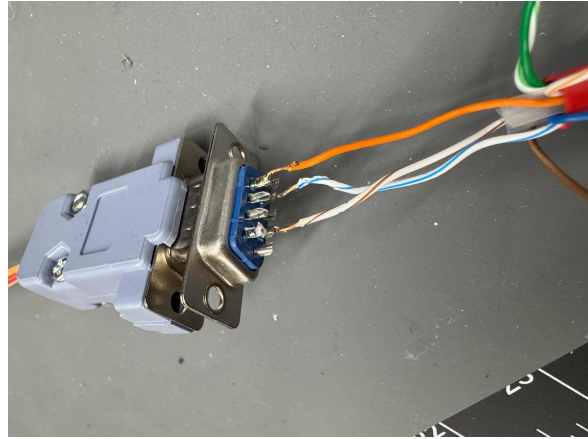
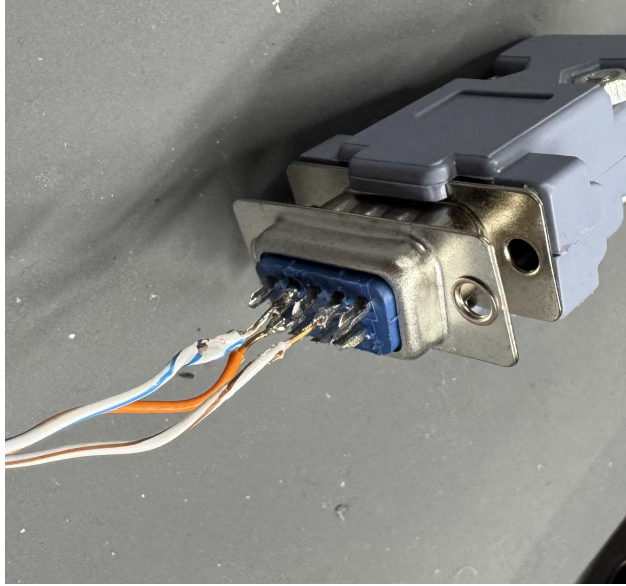
Note The pins of the programming connector is connected in parallel, so care needs to be taken when connecting external devices to this connector.

Table 2.27 RJ45 Programming connector - pins and signals

Pinout	Pin	Signal name	Description	Signal type
 front view	1	RX_AUD	Receive audio output (after volume control)	Analog
	2	+13.8V	Unswitched 13.8 V power supply	Power
	3	TXD	Asynchronous serial port - transmit data	3.3V CMOS
	4	PTT	PTT input	Digital
	5	MIC_AUD	Microphone audio input	Analog
	6	AGND	Analog ground	Ground
	7	RXD	Asynchronous serial port - receive data	3.3V CMOS
	8	ON/OFF	Hardware power on/software power off	Digital



Start with an RJ45 connector and ethernet cable. This is wired in a simple pattern of green-stripe/green/brown-stripe/brown/orange-stripe/orange/blue-stripe/blue. The wiring order is only important as a way to match pins on each connector.



Next, wire the GND, TX, RX wires to the associated pins on the DB9 connector. The pins are selected to match the same pinout as the 8105 front panel connector so that the same programming cable can be used on both.