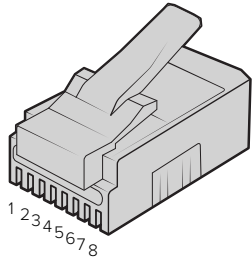# Adapter Cables for Talkback and Camera Control

Talkback Pin Connections

The 'talkback' connector on the back panel of ATEM Constellation switchers is for routing engineering talkback and production talkback. You can make an adapter cable with an RJ45 connector using this pinout diagram.

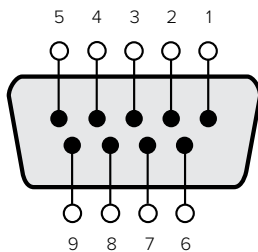| Eng TX+	Eng TX-	Prod TX+	Prod RX+	Prod RX-	Prod TX-	Eng RX+	Eng RX-
1	2	3	4	5	6	7	8

RJ45 pinout for 'talkback' connector on the back panel of ATEM Constellation model switchers

Serial Port Pin Connections for Control Cables

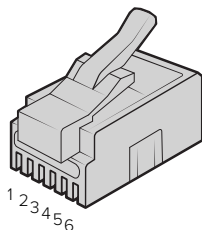### RS-422 Pin Connections for Control Cables

RS-422 is a broadcast standard using a common DE 9 or RJ12 connector. You can easily rewire these types of connectors in a custom built PTZ control unit if you want to design one yourself.

A pinout diagram of the RS-422 DE 9 and RJ12 connector is provided below.

Receive (–)	Receive (+)	Transmit (–)	Transmit (+)	Ground Pins
8	3	2	7	1, 4, 6, 9

RS-422 PTZ pin connections

TX+	TX-	GND	GND	RX-	RX+
1	2	3	4	5	6

RJ12 Pinout for PTZ remote on ATEM 4 M/E Constellation model switchers