RS-232, Sensor, IR Pinout Information

RS-232 Pinout

Tip not used
Ring 1: TX (red)
Ring 2: RX (white)
Base: GND (Shield)

RS-232 (Male)
Pin2: RX (Receiver)
Pin3: TX (Transmitter)
Pin5: GND (Ground)

RS-232 (Female)
Pin2: TX (Transmitter)
Pin3: RX (Receiver)
Pin5: GND (Ground)

MX-850 Pinout

Ring 1: TX (Tip)
Ring 2: RX
Base: GND

DB 9
Pin2: RX (Receiver)
Pin3: TX (Transmitter)
Pin5: GND (Ground)

DB 25
Pin2: TX (Transmitter)
Pin3: RX (Receiver)
Pin5: GND (Ground)

IR Pinout
Mono Jack

Ring 1: Data
Base: GND (Shield)

IR/RF Pinout
Stereo Jack

Ring 1: Data (WHITE)
Ring 2: Voltage (RED)
Base: GND (BLACK)

Sensor Pinout

Tip: Voltage Sense
Ring 1: Voltage Out
Ring 2: Video Sense
Base: Ground

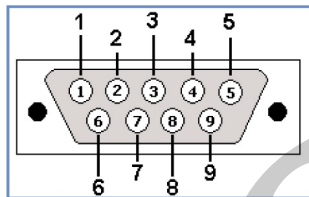## Notes About RS-232 Cables:

1. Some RS-232 controlled components require a Male DB9, while others require a Female DB9. These cables can be extended up to 30 feet and provide good results up to a 9600

baud rate using a cable of at least 16 gauge two conductor shielded wire.

2. The TX and RX Pins are labeled from the URC side. When connecting TX from the MSC-400 it should connect to RX on the component side.

3. Both RS232 Cables included with the MSC-400, RS-232M and RS-232F, are pre-wired to perform the null modem swap for you. IF you make your own cable, make sure to check the component manufacturers specifications for TX, RX and Ground pinouts.
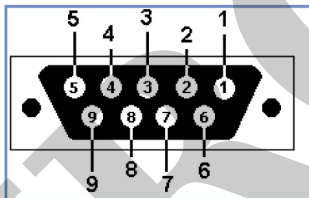
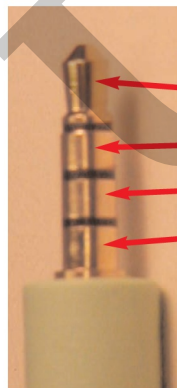**MALE RS232 Cables**

PIN 2: Receive
PIN 3: Transmit
PIN 5: Ground

FEMALE RS232 Cables
PIN 2: Transmit
PIN 3: Receive
PIN 5: Ground

Pin Out Diagram for the RS232 Plug

Tip : (Not used for RS232)
Ring 1: TX (Red)
Ring 2: RX (White)
Base: GND (Shield)

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If you require any additional information or have any questions, please do not hesitate to contact our **technical support** team at **914-835-4484.**