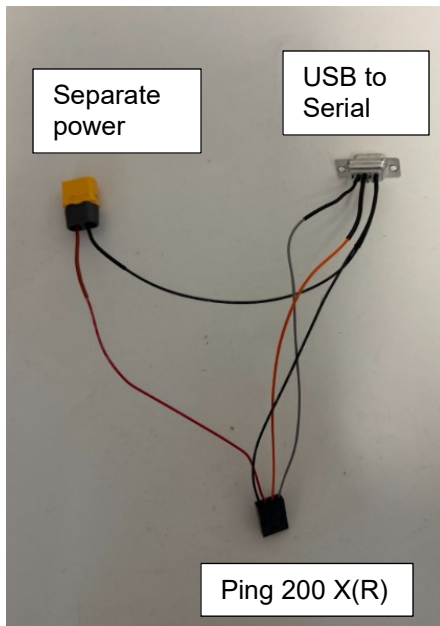


CRITICAL – DO NOT CONNECT THE RED WIRE TO THE DB9 CONNECTOR

Red = Aircraft Power (+V). Connecting it to the serial connector can damage the USB-to-serial adapter or the ping200X(R).

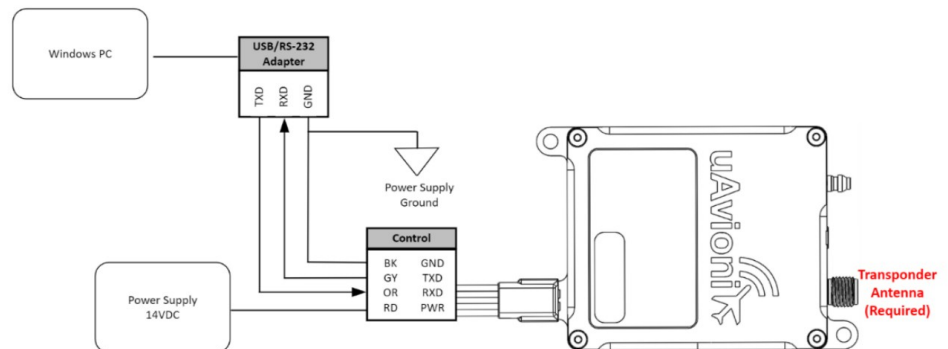
Power the ping200X(R) from a separate supply (typically 9–30 V / 11–33 V DC). Always use a 50 Ω dummy load or antenna on the RF port before applying power.



Example finished cable
(XT60 power + DB9 female)

Wire connections

Ping wire	Function	DB9 Female pin
Grey	TX from ping (data out)	Pin 2 (RXD)
Orange	RX to ping (data in)	Pin 3 (TXD)
Black	Signal Ground	Pin 5 (GND)
Red	Power (+V) – SEPARATE	DO NOT CONNECT



DB9 Female connector – solder / open side view

(Looking into the socket – pins numbered as standard RS-232)

Pin layout (standard DB9)

Top row: 1 2 3 4 5
Bottom: 6 7 8 9

Only pins 2, 3 and 5 are used.

Quick wiring summary

Grey → Pin 2 (RXD)
Orange → Pin 3 (TXD)
Black → Pin 5 (GND)
Red → separate power supply only

Control & Config App settings + Checklist

- Conn Type: Serial • Port: your COM port (e.g. COM4) • App Baud: 57600 • Protocol: UCP
- After settings are correct → click START in the Control tab
- Power the ping200X(R) from a separate supply (Red = +V, Black = GND). Do not power through the DB9.
- Always fit a 50 Ω dummy load or proper antenna on the RF port before applying power.
- This is a crossed (null-modem) connection: device TX → PC RX, device RX → PC TX.
- Official docs: uAvionix support pages & ping200X / ping200XR User & Installation Guide (Utilities section).

Notes for the client

The cable uses only three signal wires + separate power. The USB-to-Serial adapter (FTDI FT231X) appears as a virtual COM port once the FTDI driver is installed.

For products and support: European webshop <https://uavionix.store/> | Support <https://support.uavionix.com>