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# **NK-80 NMEA2000 Adaptor Firmware Upgrade Guide**

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Users can download latest firmware from Alltek Marine official website for recovery or upgrade purpose.



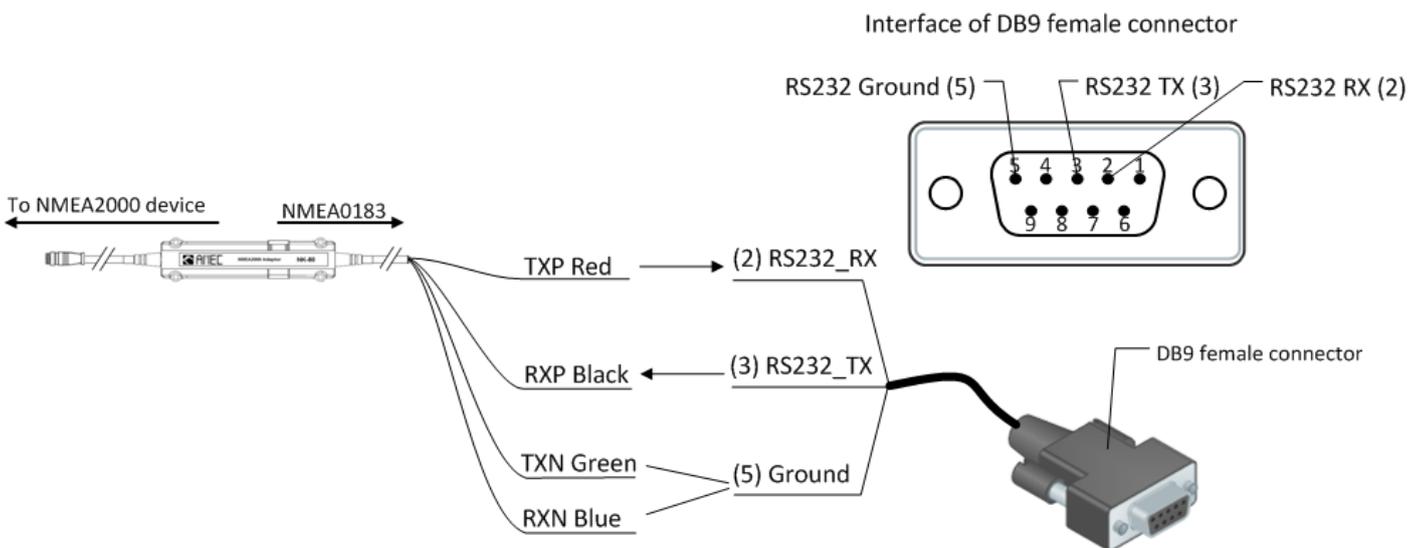
Please follow the firmware upgrade procedures below.

**Step 1:** Understanding NK-80 cable wiring definitions

NK-80's NMEA0183 cable wiring is defined in the table below.

Pin	Wire color	Name	Function
1	RED	TXP	Positive(+); NMEA 0183 Data output
2	GREEN	TXN	Negative (-); NMEA 0183 Data output
3	BLACK	RXP	Positive(+); NMEA 0183 Data input
4	BLUE	RXN	Negative (-); NMEA 0183 Data input
5	SHIELD	GND	Ground

**Step 2:** Use the following connection diagram to connect NK-80 to a DB9 female connector. Connect to a serial port on PC. If no serial port is available, use a RS-232/USB adapter to connect. Ensure power is supplied through its NMEA2000 connector.





**Step 3:** Download firmware upgrade utility and run the software. Click “Start”

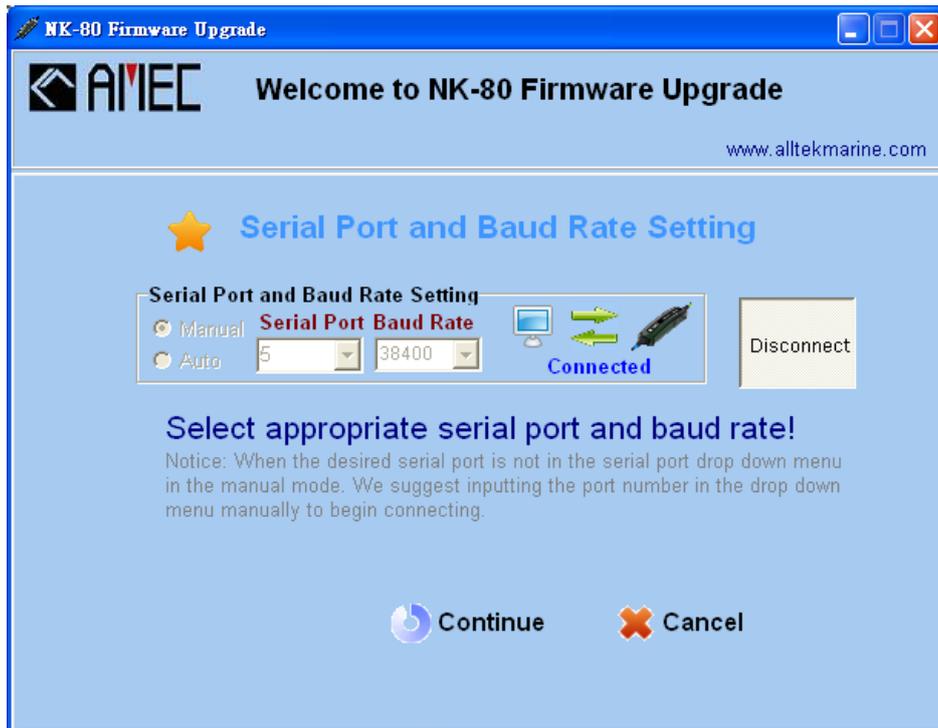


**Step 4:** Select “Auto” and click “Connect” to connect NK-80





**Step 5:** Click “Continue” and Click “Yes” for final confirmation.





**Step 6:** System will start updating and verifying data automatically.





**Step 7:** Click “Finish” to end the process.

