



# WRC-CANX-xx-xx Series 4 Quick Start Guide

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Use this Quick Start Guide to quickly and easily install your CAN-Bus Extender in your system. Follow the instructions below. For more details please see the WRC-CANX User's Manual at [http://www.prosoft-technology.com/prosoft/products/network\\_repeater\\_extenders/devicenet\\_canopen\\_sae\\_j1939/wrc\\_canx](http://www.prosoft-technology.com/prosoft/products/network_repeater_extenders/devicenet_canopen_sae_j1939/wrc_canx).

1. Remove the CAN-Bus Extender from the box and connect your CAN-Bus cable to the 5-pin plugs (supplied with CANX-DIN) or the mini-style connectors (user-supplied) according to wiring specifications for the CAN Bus you are using.
2. Leave the DIP switches in the factory setting FF or all OPEN positions for **Autobaud** for DeviceNet baud rates (125K, 250K or 500K). If you are not using a DeviceNet baudrate, or you desire to manually set a fixed baudrate, set the switches according to the table below. For more on switch settings see the WRC-CANX User's Manual.

Baudrate	Switch setting (numerical)	Position 1 Position 5	Position 2 Position 6	Position 3 Position 7	Position 4 Position 8	Meaning
125K	0	CLOSED	CLOSED	CLOSED	CLOSED	Fixed
250K	1	CLOSED	CLOSED	CLOSED	<b>OPEN</b>	Fixed
500K	2	CLOSED	CLOSED	<b>OPEN</b>	CLOSED	Fixed
Autobaud	3	CLOSED	CLOSED	<b>OPEN</b>	<b>OPEN</b>	Autobaud for DeviceNet Bauds (125k, 250k, 500k)
9.6K	4	CLOSED	<b>OPEN</b>	CLOSED	CLOSED	Fixed
10K	5	CLOSED	<b>OPEN</b>	CLOSED	<b>OPEN</b>	Fixed
20K	6	CLOSED	<b>OPEN</b>	<b>OPEN</b>	CLOSED	Fixed
40K	7	CLOSED	<b>OPEN</b>	<b>OPEN</b>	<b>OPEN</b>	Fixed
50K	8	<b>OPEN</b>	CLOSED	CLOSED	CLOSED	Fixed
100K	9	<b>OPEN</b>	CLOSED	CLOSED	<b>OPEN</b>	Fixed
800K	10	<b>OPEN</b>	CLOSED	<b>OPEN</b>	CLOSED	Fixed
1M	11	<b>OPEN</b>	CLOSED	<b>OPEN</b>	<b>OPEN</b>	Fixed
Remote	15	<b>OPEN</b>	<b>OPEN</b>	<b>OPEN</b>	<b>OPEN</b>	Takes baud rate from the opposite end device. If both sides are remote, Autobaud from either side.
Autobaud	12-14	ALL OTHER SWITCH POSITIONS				Autobaud

3. Using on-board jumpers W1 and W3, terminate each side of the CAN-Bus network as appropriate. (This is especially critical at the higher baud rates.)
  - For trunk lines, install both jumpers.
  - For a drop line install only the jumper on the opposite network side of the trunk line.
4. The CANX does not differentiate between A side and B side from a functional perspective. The CANX can be oriented with either side toward the Master.
5. Make sure that there is power on both network sides. (The CANX isolated power and signal.)
6. Plug the CANX into your network.
7. The CAN-Bus Extender will undergo its initialization sequence, flashing the LED's. After approximately 5 seconds, the Module Status LED (labeled "MS") will go on solid green and network LED's (labeled "NSA" and "NSB") will flash green.
8. Both Network A and B Status LED's (NSA and NSB) will go on solid once a valid CAN message is received into either side of the Extender and the baudrate auto-detect has been successfully performed.

The CAN-Bus Extender is now operating on the network and is ready to repeat messages from either Network A or Network B.