

How do I connect the Dometic Q-logic controller to the J2K100 for N2KView control?

Please be advised, some Dometic controller modules will require the user to enable the CAN (J1939) output allowing the J2K100 to detect the signal.

1. Please locate the Q-logic controller module and the J1939 interface connections.

Figure 1 illustrates what the Q-logic J1939 interface should look like.

** Depending on the generation of equipment, you may need to purchase this interface upgrade.*

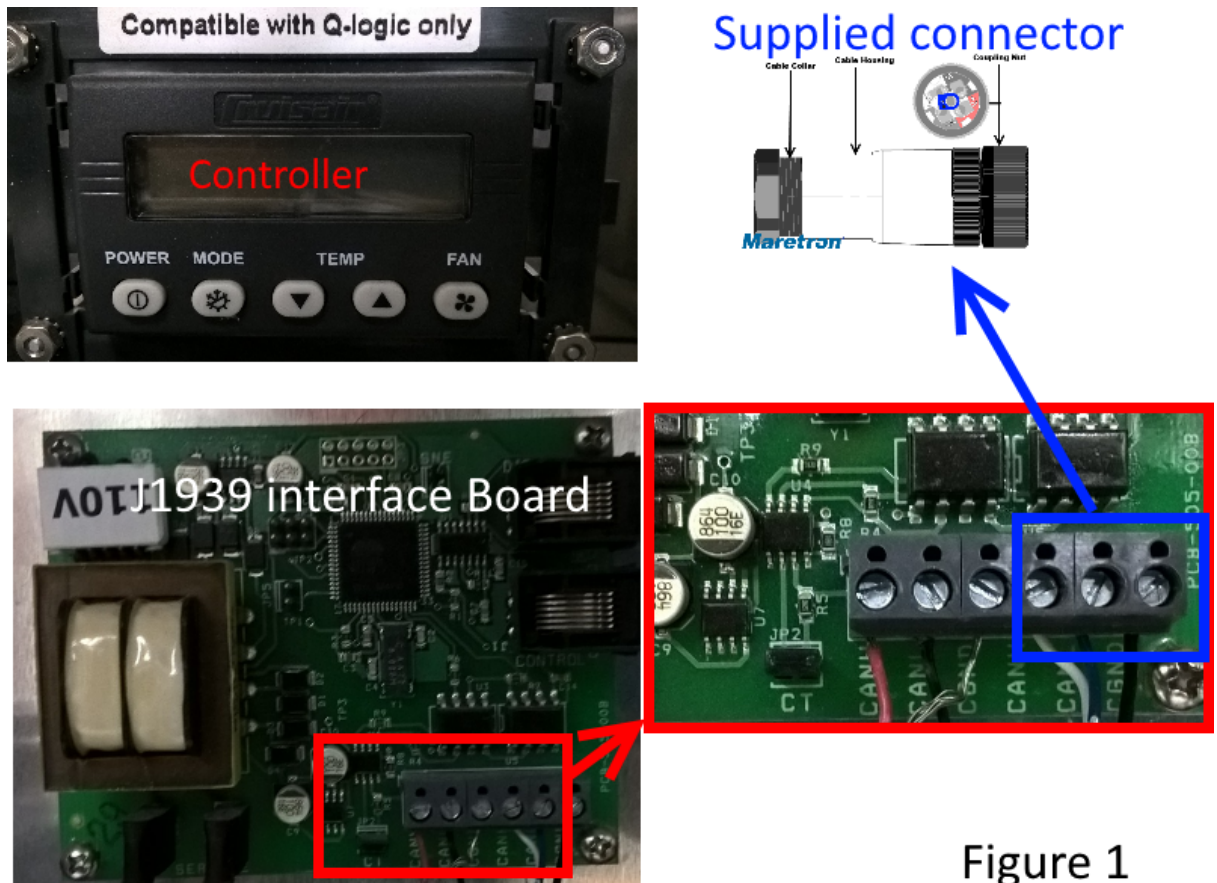


Figure 1

2. Once you can confirm the J1939 interface is connected and working, connect the J2K100 between the Q-logic and the NMEA 2000 network refer to Figure 2.

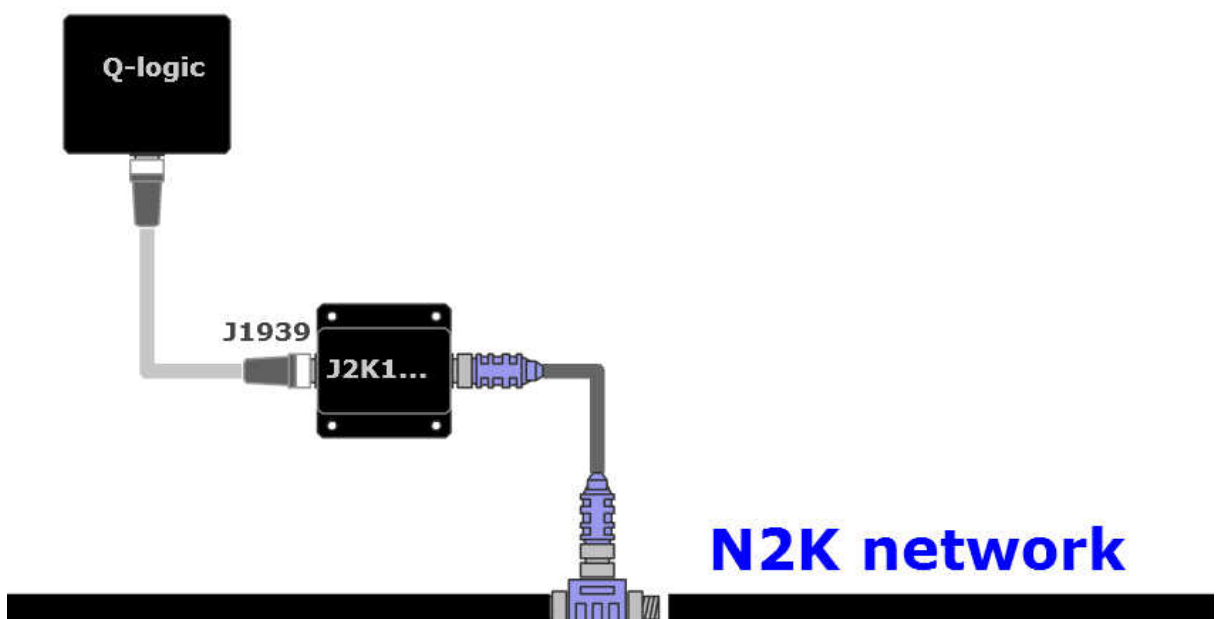


Figure 2

3. Figure 1 will show a green WAGO or Phoenix terminal connector labeled CAN on the Dometic PCB, we will mate the following connections with the supplied Field Attachable connector.
 - a. Connect Dometic **CAN+** to the Field Connector terminal color **white** (CAN H).
 - b. Connect Dometic **CAN-** to the Field Connector terminal color **blue** (CAN L).
 - c. Connect Dometic **GND** to the Field Connector terminal color **black** (DC-/Ground)
4. You will need to configure the J2K100 to the appropriate source address found within the J2K100 configuration menu using either a Maretron gateway, such as the USB100, paired with a Windows PC running our free N2KAnalyzer or a Maretron DSM Series Display.

Select the desired source to be converted on J1939, then define the Instance value for this device to be presented on the NMEA 2000 network.

J2K100 (0xA2) 1247876 - Configuration Dialog

General | Advanced | PGNs

Label
(Max. 32 Characters)
Dometic Icemaker

NMEA 2000 Data Instances

Engine : 10

Transmission : 10

HVAC/Icemaker/Watermaker/
Generator AC Electrical : 10

J1939 Source Address to
convert to NMEA 2000: 3

Source addresses detected
on J1939 network: 3 Refresh List

Load Config From File... Save Config To File...

Get Config From Device Put Config To Device

Restore Factory Defaults Close

RED text indicates a changed parameter that has not yet been put to the device

5. The J2K100 supports the following NMEA 2000 Dometic PGNs.

- a. 130830 Dometic HVAC Status
- b. 130830 Dometic Icemaker Status

6. Next we will navigate to N2KView and select the appropriate source

component and apply the matching Instance value defined in the J2K100.



Troubleshooting Tips

- If you are not detecting a J1939 source by the J2K100
 - Controller is powered on
 - Verify that CAN (J1939) output is enabled on the controller
 - Flip CAN+ and CAN- terminal connections
 - Very rare conditions - May need to add a terminating resistor to the J1939 network

If you experience any further issues, please contact our technical support team.

Toll Free (866) 550-9100 or by email at Support@Maretron.com.

Online URL:

<https://www.maretron.com/wp-content/phpkbv96/article.php?id=662>