

KUS

NJ /JN Gateway

User's Manual



www.kus-usa.com

Table of Contents

1. General.....	1
2. Installation.....	2
3. Component Function Diagram	3
4. Technical Specifications.....	4

Revision History

Revision	Description
1.0	Original Document

1. General

1.1 Introduction

NT gateway can be used to convert the engine speed, oil pressure, temperature, and voltage data in the NMEA2000 network into the corresponding information in the J1939 network.

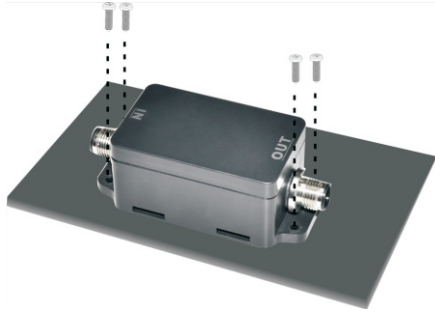
JN gateway is used for converting the engine speed, oil pressure, temperature, and voltage data in the J1939 network into the corresponding information in the NMEA2000 network.

1.2 Features

The NJ gateway/JN gateway has the following features:

- Easily installed, can use screw or ribbon to fix.
- Easy to use, don't need extra setting.
- Standard Micro-C connector
- Water proof level Ip65.

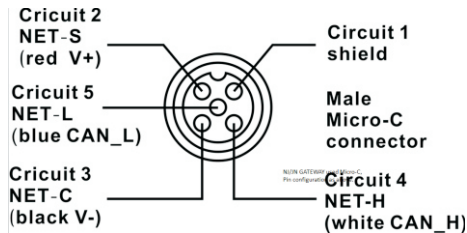
2. Installation



If you prefer to install the GATEWAY on the panel, kindly use the screws in the packages.



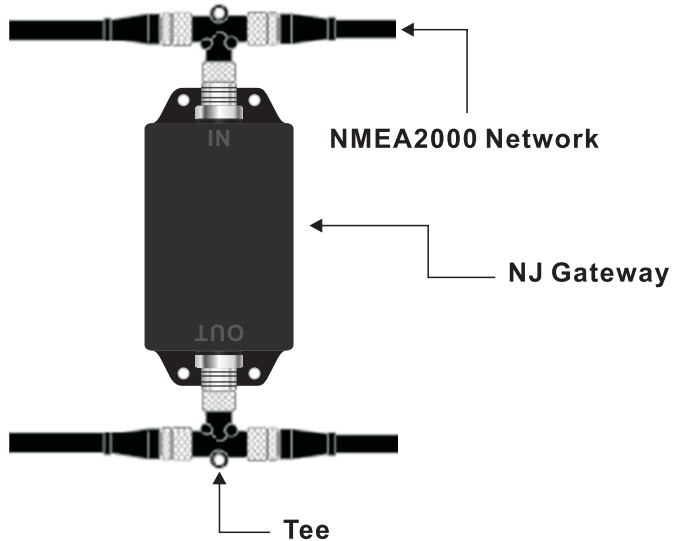
If you don't have the option to drill holes on the boat, you can use ribbon to fix the GATEWAY.



The NJ/JN GATEWAY works with Micro-C connector. The PIN layout is as follows:

3. Component Function Diagram

3.1 NJ GATEWAY Connection Way

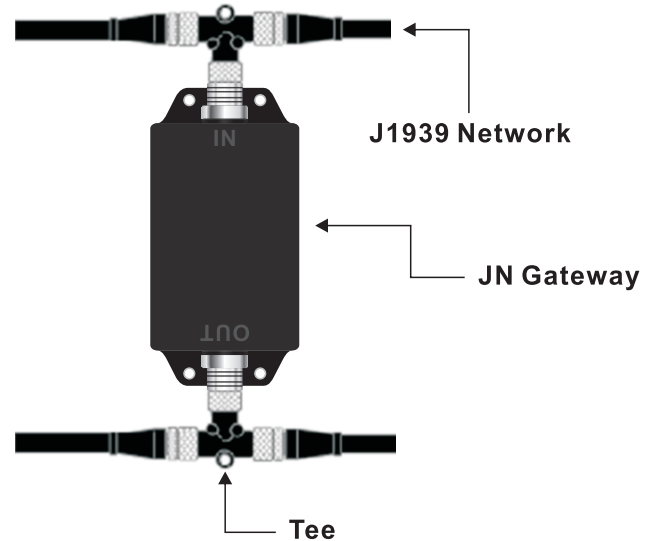


J1939 NETWORK

NMEA2000 TO J1939 GATEWAY

As picture shows, the NJ Gateway input side should connect with NMEA2000 network and the output side should connect with J1939 network. After connection, the signal will be converted successfully.

3.1 JN GATEWAY Connection Way



NMEA2000 NETWORK

J1939 TO NMEA2000 GATEWAY

As picture shows, the JN Gateway input side should connect with J1939 network and the output side should connect with NMEA2000 network. After connection, the signal will be converted successfully.

4. Technical Specifications

4.1 Electrical

Operating Voltage	9~16V
Power Consumption	<50mA
Load Equivalence Number(LEN)	1

4.2 Environmental

Operating Temperature	-30~75°C(-22~167°F)
Storage Temperature	-40~80°C(-40~176°F)
Degree of Protection	IP67

4.3 Mechanical

Size	93.8*39.6*32.3mm
Weight	75.6g

4.4 Certifications

NMEA2000	Level B+
----------	----------

4.5 NMEA2000 Parameter Group Number(PGN)

PGN	PGN Name
61444	Electronic Engine Controller 1 (Engine Speed)
65262	Engine Temperature 1 (Engine Coolant Temperature)
65263	Engine Fluid Level/Pressure 1 (Engine Oil Pressure)
65271	Vehicle Electrical Power #1 (Electrical Potential)

4.6 NMEA2000 Parameter Group Number(PGN)

PGN	PGN Name
127488	Engine Parameters, Rapid Updata (Engine Speed)
127489	Engine Parameters, Dynamic (Engine Oil Pressure)
127508	Battery Status (Battery Voltage)

KUS

Since 1984

