

User Manual

Product: 4.0G LET

Manufacturer: Honda Motor Co., Ltd.

Model: E4000-01

For Original Equipment Manufacturer integration only - this device cannot be sold to the general public

FCC ID: N43E400001

IC: 2500A-E400001

The OEM must include the following notices as required by FCC/IC on the product and in the User's Manual.

This is Limited modular approval as this module is limited to installation by the grantee into our host systems.

[for FCC]

Contains Transmitter Module FCC ID: N43E400001

or

Contains FCC ID: N43E400001

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

*If it is difficult to describe this statement on the host device due to the size, please describe in the user's manual and also either describe on the device packaging or on a removable label attached to the device.

[for ISED(IC)]

Contains IC: 2500A-E400001

[for FCC]

FCC CAUTION

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

[for ISED]

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

- 1. This device may not cause interference.**
- 2. This device must accept any interference, including interference that may cause undesired operation of the device.**

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- 1. L'appareil ne doit pas produire de brouillage;**
- 2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.**

for indoor use only

Pour usage intérieur seulement

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le radiateur et le corps humain.

The following notice is not for end users but for the manufacturer of the host device.
Therefore it isn't described on the user manual of the host device.

This device complies with below part 15 of the FCC Rules.

Part 15 Subpart C

Part 15 Subpart E

For product available in the USA/Canada market, only channels 1-11 can be operated. Selection of other channels is not possible.

If this device is to be operated in the 5.15~5.25GHz frequency range, it is restricted to indoor environments only.

Antenna: Proprietary

Antenna gain information: Embedded Antenna: 3.25dBi (2.4 GHz), 5.0dBi (5 GHz)

Frequency Tolerance : +/-20ppm

General Specifications

Chipset:	QCA9377-3, (Qualcomm Atheros)
Host Interface:	Wifi: SDIO v3.0; BT: High Speed UART
Operating Voltage:	3.30 VDC +/- 5%
Operating Temperature:	-20 to +70 degrees C
Dimensions:	18.0 x 13.0 x 2.2 mm (L x W x D)
Connector Type:	52-pin proprietary
Radio Specifications:	802.11b/g/n: 2.412 – 2.484 GHz; 802.11a/n: 5.18 – 5.825 GHz BT: 2.402 – 2.480 GHz
Link Rates (1 stream):	IEEE 802.11b: 1-11 Mbps IEEE 802.11g: 6-54 Mbps IEEE 802.11a: 6-54 Mbps IEEE 802.11n HT20: 6.5-65.0 Mbps IEEE 802.11n HT40: 13.5-135.0 Mbps IEEE 802.11ac VHT20: 6.5-78.0 Mbps IEEE 802.11ac VHT40: 13.5-180.0 Mbps IEEE 802.11ac VHT80: 29.3-390.0 Mbps
Modulation Modes:	OFDM (256QAM, 64QAM, 16QAM, QPSK, BPSK), DSSS (CCK, DQPSK, DBPSK), GFSK (1Mbps), π/4 DQPSK (2Mbps), 8DQPSK (3Mbps)
Hardware Encryption:	WEP, WPA/WPA2 (TKIP/AES-CCMP), WAPI
Quality of Service (QoS):	WMM, WMM-PS, 802.11e

The modular transmitter is only FCC authorized for the specific rule parts (i.e., FCC transmitter rules) listed on the grant (FCC Part 15.247/15.407), and the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. The final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.