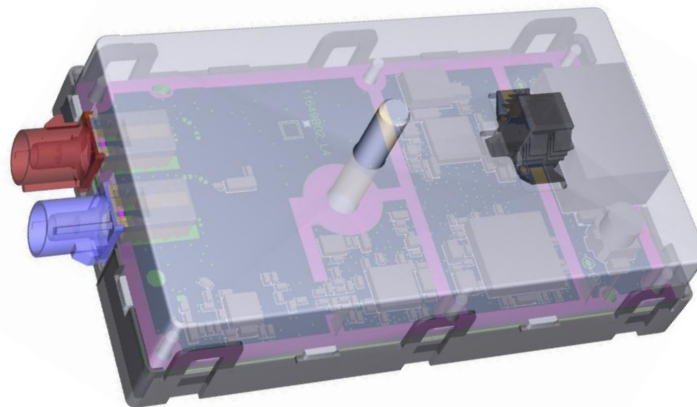


Bluetooth LE Transceiver

TRANSCVRP02



PORSCHE Part Number: 9J1 051 515

Continental Part Number: 52512477

Contents

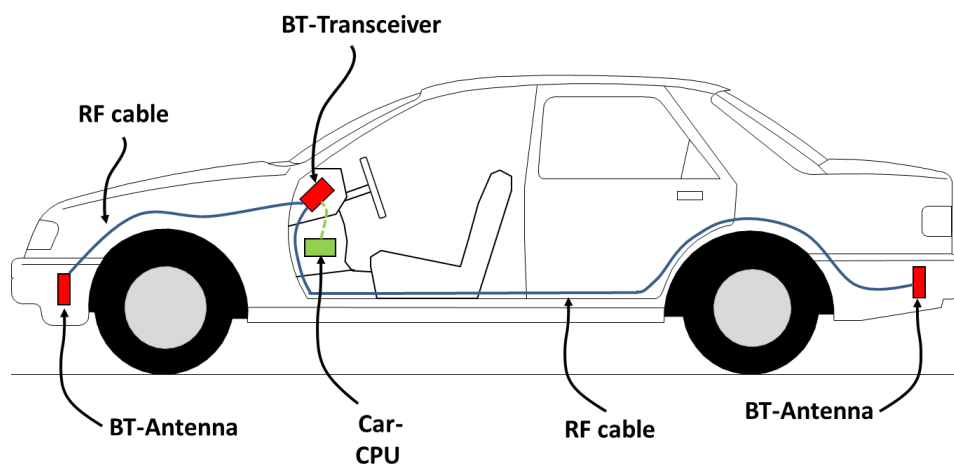
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1. Introduction

The TRANSCVRP02 is an automotive ECU with an integrated Bluetooth LE transceiver for special usage. The Bluetooth circuit and electronics are designed to tunnel a not public described data stream via Bluetooth generic protocol. The device rejects any communication requests from Bluetooth devices not supporting the nonpublic payload format. The device is fully integrated to the electronics of the car and is connected with the CAN-Bus of the car to communicate with the rest of the ECUs.

The device will be integrated in the car only by the car-manufacturer or in case of replacement by a professional garage. The end-user does not have to do any installations or adjustments. There will be no aftermarket modules available since the device needs to have a full range of ECUs available to communicate with.

2. Installation Example



Example for a principle setup in a car.

The BT-Transceiver is designed for in-car use only. It is designed according the detailed specification of the OEM (car-manufacturer). It MUST be well integrated into the automotive environment (T_{ambient} max. 85 °C) and needs to be installed by the OEM or in case of replacement by a professional garage. Only the antennas listed at the Antenna Kitting section are allowed to be used along with this BT-Transceiver.

3. Antenna Kitting

Bluetooth Antenna Options:

Antenna Bluetooth

PORSCHE PART No.

9Y0.051.506.A

4. Technical Specifications

General Specifications

Model Number	TRANSCVRP02
Antenna Connectors	FAKRA (male) DIN 72594-1/ISO 20860-1
Impedance	50 Ohm
DC Connector	MQS-Type
Power Requirements	DC 9 V - 16 V; 100 mA

Supported Bands

Band	Frequency	Service Supported
	[MHz]	
ISM-Band	2402 – 2480	BTLE

Output Power

Output Power	Max. Value	Unit
Port Power Output 1	-4	dBm
Port Power Output 2	-4	dBm
Combined Pout	-0,97	dBm

5. Safety Recommendations



WARNING: The Module is designed for in-car use only. It **MUST** be well integrated into the automotive environment (T_{ambient} min. $-40\text{ }^{\circ}\text{C}$ to max. $+85\text{ }^{\circ}\text{C}$) and needs to be installed by the OEM (car-manufacturer) or in case of replacement by a professional garage.

AVERTISSEMENT: le module est conçu pour une utilisation dans une voiture uniquement. Il **DOIT** être bien intégré dans l'environnement automobile (température minimale comprise entre $-40\text{ }^{\circ}\text{C}$ et $+85\text{ }^{\circ}\text{C}$) et doit être installé par le constructeur ou en cas de remplacement par un garage professionnel.



WARNING: The fuse used in the vehicle for electrical protection of the control unit must comply with MBN 8820-3 (2013-05) and an amperage of 5 amperes!

AVERTISSEMENT: le fusible utilisé dans le véhicule pour la protection électrique de l'unité de commande doit être conforme à la norme MBN 8820-3 (2013-05) et à une ampérage de 5 ampères!

Changes or modifications not expressly approved by Continental Advanced Antenna GmbH could void the authority to operate this equipment.

Les changements ou modifications non expressément approuvés par Continental Advanced Antenna GmbH peuvent annuler le droit d'utiliser cet équipement.

6. Legal

Radiofrequency radiation exposure Information:

This equipment complies with FCC and ISED radiation exposure limits set forth for an uncontrolled environment.

Any antenna used with this device must be located at least 8 inches (20,3 cm) from all persons.

NOTICE:

This device complies with Part 15 of the FCC Rules and contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS standard(s).

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.

Cet équipement est conforme aux limites d'exposition aux radiations de la FCC et de l'ISDE établies pour un environnement non contrôlé.

Toute antenne utilisée avec cet appareil doit être située au moins 8 pouces (20,3 cm) de toutes les personnes.

REMARQUER:

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, et
2. l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

NOTICE:

Changes or modifications made to this equipment not expressly approved by (manufacturer name) may void the FCC authorization to operate this equipment.

This device is granted pursuant to the Japanese Radio Law. This device should not be modified (otherwise the granted designation number will become invalid)