

# TomTom LINK 201 User Manual



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# What's in the box

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- TomTom LINK 201
  1. OBD-II connector.
  2. Bi-colour LED (red/green) - connection and system status indicator.
  3. Micro-USB-cable connector for maintenance - for qualified personnel from TomTom Telematics only
- Installation booklet

# Read me first

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## Congratulations

You have chosen the TomTom LINK 201, a core hardware component of the WEBFLEET fleet management solution. With WEBFLEET from TomTom Telematics you are connected to your people out on the road in a smart and easy way.

TomTom LINK 201 is a GPS receiver and mobile network module in one unit, providing the vehicle's current position.

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You can use the TomTom LINK 201 in vehicles equipped with an OBD-II port.

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## What you need for the installation

Before starting the installation of your TomTom LINK 201, read the safety notices and warnings carefully and make sure you have the following:

- A computer or a smartphone with an internet connection.
- The WEBFLEET **Contract Confirmation** letter including the **Activation Code** and the **Customer Number**.
- All parts contained in the box.
- A vehicle that has an **OBD-II port**.
- A **place with a clear view of the sky** where you can move your vehicle to check GPS reception and mobile network coverage.

# Safety first

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## Important safety notices and warnings

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**Important:** Read the following safety instructions carefully.

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TomTom Telematics accept no liability for damage that results from disregarding the safety instructions.

This document is part of the product. Keep it in a safe place. If you pass the unit on to a new user, make sure you give them this document as well.

### Risk of injury in case of accidents

Do not mount the unit or accessories in the inflation area of airbags or in the impact area for the head or knees. Choose an installation location that will avoid interference with displays, safety equipment and controls.

### Use of this product is restricted in some areas

The TomTom LINK 201 contains a mobile network module which can interfere with electrical devices such as cardiac pacemakers, hearing aids and aviation equipment. Interference with these devices may endanger the health or life of you or others. If your device includes a mobile network module, do not use it near unprotected electrical units or in areas where the use of mobile telephones is prohibited, such as hospitals and aircraft.

### Danger of explosion

Parts of the TomTom LINK 201 can cause sparks that can lead to explosions. This may endanger human health and life. Do not use the unit in areas with high risk of explosion. When using a TomTom LINK 201 in a vehicle fuelled by liquefied gas, follow the safety regulations of the country in which the vehicle is operated.

### Repair and replacement

Repairs must be carried out by authorised and qualified personnel only. Never replace damaged parts of the unit yourself. Send the defective unit to TomTom Telematics for repair. Only the qualified staff of TomTom Telematics are authorised to repair or replace parts.

### Damage to the device

Short-circuits inside the unit can be caused by contact with water or other liquids. The unit may be damaged by contact with water. Use and store the unit in an area protected from water.

# Preparations

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## Activating the LINK 201

You need to activate the LINK 201 before you can install and use it.

To activate your LINK 201 you need the following:

- A computer or a smartphone with internet connection.
- The activation code of your LINK 201, which you can find in your WEBFLEET contract confirmation.
- The customer number stated in your WEBFLEET contract confirmation.
- The serial number of your LINK 201.

To activate your LINK 201 go to <http://telematics.tomtom.com/activation> and follow the instructions.

## Choosing the correct position

First you need to choose the correct position in which to install your LINK 201.

Take the following into consideration:

- Do not expose the LINK 201 to direct sunlight and/or high temperature for long periods to ensure proper operation.
- To ensure GPS reception using the integrated GPS receiver, the top of the device must not be obstructed by metal items.
- To ensure mobile network reception using the integrated antenna, the device must not be placed on or surrounded by metal items such as the vehicle's coachwork closer than 5 cm (2 inches) and the top side must not be obstructed by metal items.
- If the OBD-II connector of your vehicle does not provide enough space to insert the LINK 201, you can use the OBD-II extension cable from TomTom Telematics.
- If the OBD-II extension cable is used, make sure it is firmly fixed so it cannot interfere with the driver's actions.

# Connecting the LINK 201

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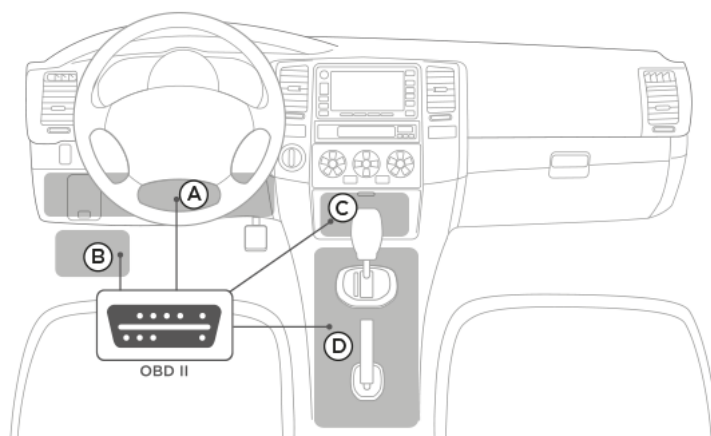
**Important:** To connect or disconnect the LINK 201, the vehicle ignition must be off.

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To connect your LINK 201 to the vehicle and calibrate it do the following.

1. Make sure the ignition of the vehicle is turned off.
2. Find the OBD-II port in your vehicle.

Refer to the manual of your vehicle. In many vehicles you can find the OBD-II port in the footwell (A), close to the fuse box (B), beneath the dashboard (C), or in the centre console (D).



3. Insert the LINK 201 into the OBD-II port.

If the space surrounding the OBD-II port in your vehicle does not allow the LINK 201 to be inserted, you can use the OBD-II extension cable from TomTom Telematics. If you use the OBD-II extension cable, make sure you have firmly fixed it so it cannot drop off. Make sure the cable does not interfere with the driver's actions.

The bi-colour LED of your LINK 201 is permanent red to show the device is properly connected to the vehicle.

For some vehicle models, the LINK 201 requires calibration and we recommend to always follow the instructions provided below.

4. Wait until the LED of your LINK 201 shows that the device has GPS reception.
5. Switch on the ignition and drive with minimum 20 km/h for at least five minutes.  
The LINK 201 registers the voltage differences and calibrates to detect ignition on events.
6. Stop driving and turn off the ignition.
7. Wait for minimum five minutes.  
The LINK 201 registers the voltage differences and calibrates to detect ignition off events.

If you have disconnected and connected the LINK 201 to the OBD-II port of the same vehicle there is no need to calibrate it again.

# Diagnositics

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## Understading your LINK 201

In the following table the different LED modes are explained showing you working stages of your LINK 201.

Green LED	Red LED	
<b>OFF</b>	<b>ON</b>	<b>LINK 201 is booting.</b> The LINK 201 boots for approximately 30 seconds after you have connected it to the OBD-II port of the vehicle before it starts establishing mobile network and GPS reception.
<b>FLASHING - 3 times short</b> (repeats every 4 seconds)	<b>ON</b>	<b>Establishing mobile network and GPS reception.</b>
<b>FLASHING - 2 times short</b> (repeats every 4 seconds)	<b>ON</b>	<b>Establishing mobile network reception.</b> <b>GPS reception is established.</b>
<b>FLASHING - 1 time short</b> (repeats every 4 seconds)	<b>ON</b>	<b>Establishing GPS reception.</b> <b>Mobile network reception is established.</b>
<b>ON - 1 second</b> (repeats every 4 seconds)	<b>ON</b>	<b>System is ready.</b> <b>Mobile network and GPS reception established.</b>

## Troubleshooting

If your LINK 201 does not report trips to WEBFLEET properly anymore, the device may need to be reset. For this please contact the TomTom Telematics Customer Support.

If you experience technical issues or have frequently asked questions, please go to the Customer Support Portal on <http://telematics.tomtom.com/support/>



# Technical data

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Processor	ARM 11 - 500 MHz
RAM	64 MB
NAND Flash	256 MB
Mobile networks	Quad-band GSM/GPRS module Integrated mobile network antenna
GPS	GPS receiver - Sirf Atlas V Sensitivity: -161dBm, 64 channels Integrated GPS antenna
Acceleration sensor	3D accelerometer +-2g, +-4g, +-8g. In teh V2 it's only +-2g
USB	Micro USB 2.0
Supply voltage	12 V and 24 V (min 8 V to max 32 V)
Connector	OBD-II connector
Temperature	Operation: -25 °C to 60 °C
Dimensions	27 mm x 48 mm x 49.5 mm
Current consumption (average values)	Active: 250 mA Hibernate: 0.7 mA Sleep mode: 2 mA

# Addendum

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## Important Safety Notices and Warnings

### Global Positioning System (GPS) and Global Navigation Satellite System (GLONASS)

The Global Positioning System (GPS) and Global Navigation Satellite System (GLONASS) systems are satellite-based systems that provide location and timing information around the globe. GPS is operated and controlled by the Government of the United States of America, which is solely responsible for its availability and accuracy. GLONASS is operated and controlled by the Government of Russia, which is solely responsible for its availability and accuracy. Changes in GPS or GLONASS availability and accuracy, or in environmental conditions may impact the operation of this device. TomTom disclaims any liability for the availability and accuracy of GPS or GLONASS.

### Aircraft and hospitals

Use of devices with an antenna is prohibited on most aircraft, in many hospitals and in many other locations. This device must not be used in these environments.

### How TomTom uses your information

Information regarding the use of personal information can be found at [tomtom.com/privacy](https://www.tomtom.com/privacy).

### Battery and Environmental information

Depending on the hardware version this product uses a non rechargeable Lithium battery that is not user accessible or user replaceable. Do not open the case or (attempt to) remove the battery. Substances in the product and/or battery may be harmful to the environment or your health if disposed of improperly. The battery contained in the product must be recycled or disposed of properly according to the local laws and regulations and always kept separate from household waste.



### CE marking

This equipment complies with the requirements for CE marking when used in a residential, commercial, vehicular or light industrial environment, achieving all the appropriate provisions of the relevant legislation in the EU.



Model numbers: C4DONGLE-2G

### **R&TTE directive**

Hereby, TomTom declares that TomTom products and accessories are in compliance with the essential requirements and other relevant provisions of the EU Directive 1999/5/EC. The declaration of conformity can be found here: [tomtom.com/legal](http://tomtom.com/legal).

### **WEEE directive**

The wheelie bin symbol on the product or its packaging indicates that this product shall not be treated as household waste. In line with EU Directive 2012/19/EU for waste electrical and electronic equipment (WEEE), this electrical product must not be disposed of as unsorted municipal waste. Please dispose of this product by returning it to the point of sale or to your local municipal collection point for recycling. By doing this you will help conserve the environment.



### **Exposure limits**

This device complies with radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

### **Pacemakers**

Pacemaker manufacturers recommend that a minimum of 15cm / 6 inches be maintained between a handheld wireless device and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with independent research and recommendations by Wireless Technology Research.

### **Guidelines for people with pacemakers**

- You should ALWAYS keep the device more than 15cm / 6 inches from your pacemaker.
- You should not carry the device in a breast pocket.

### **Other medical devices**

Please consult your physician or the manufacturer of the medical device, to determine if the operation of your wireless product may interfere with the medical device.

### **Mobile networks**

Devices that contain a mobile network module are intended for connection to one or more of the following mobile network frequencies:

800/900/1800/1900 MHz

### **Model names**

C4DONGLE-2G

## **This document**

Great care was taken in preparing this document. Constant product development may mean that some information is not entirely up to date. The information in this document is subject to change without notice.

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