LINK 740
Installation Guide

Contents

Installation

Read me first

Congratulations

You have chosen the LINK 740, a core hardware component from WEBFLEET. With WEBFLEET you are always connected to your vehicles out on the road in a smart and easy way.

LINK 740 is a GNSS receiver and mobile network module in one unit, always providing the vehicle's current position.

When used with a compatible Driver Terminal, you can easily handle orders, as well as text and status messages. You can receive traffic information, and you are warned when you are driving or cornering too fast. And you can get information about how much fuel you have used.

What's in the box
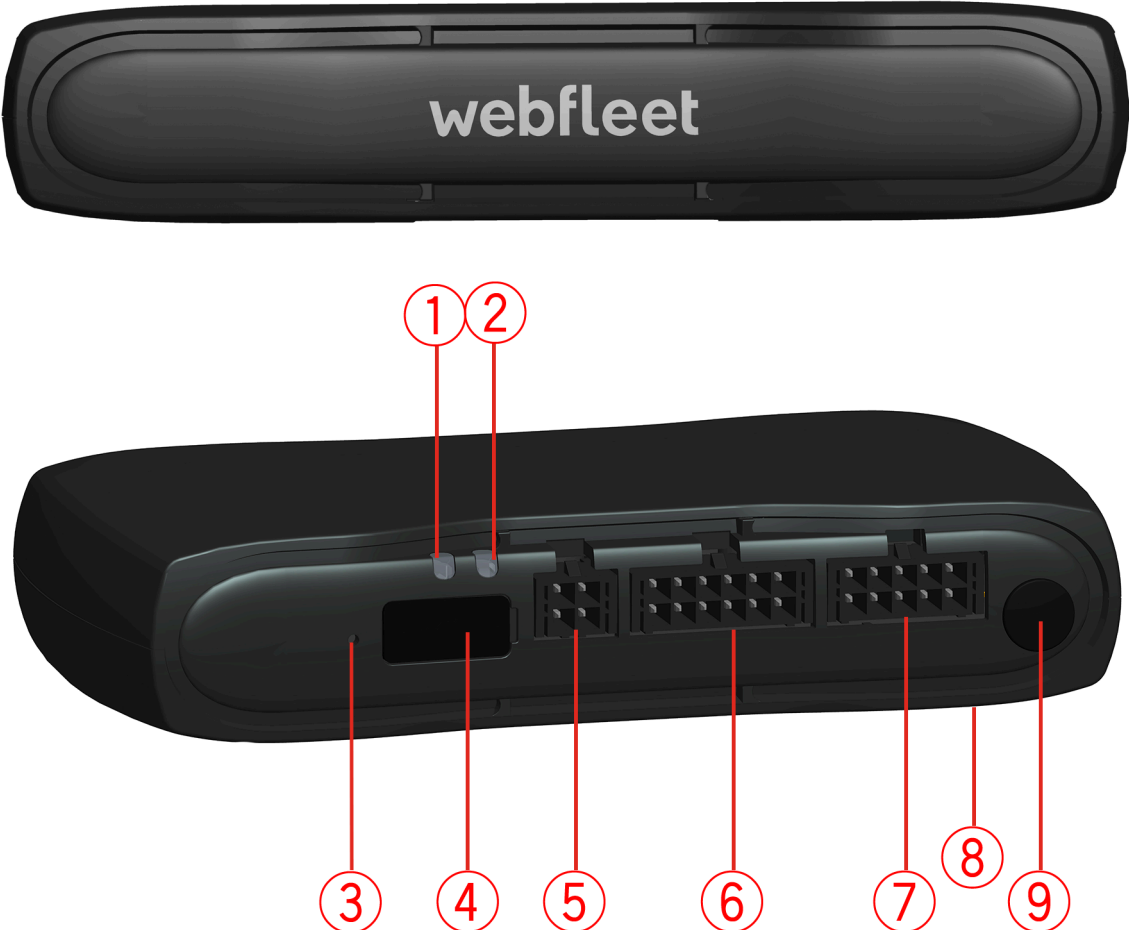
- LINK 740

  1. Yellow LED - connection status indicator.
  2. Green LED - system status indicator.
  3. Reset button.
  4. Service/Update Mini-USB-cable connector.
  5. 1-Wire-Interface.
  6. I/O-cable connector.
  7. Power/CAN connector.
  8. CAN DIP switch (sealed).
  9. GNSS antenna connector.
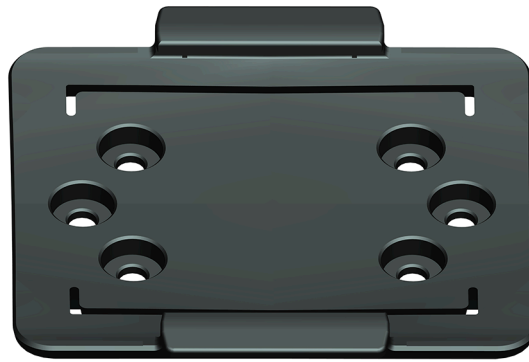
- Holder

- Power/CAN cable
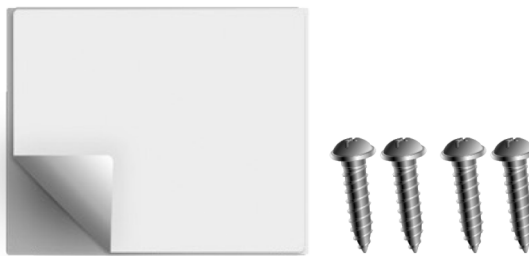
- Fixings - 1 adhesive strip, 4 self-tapping screws and a cleaning tissue
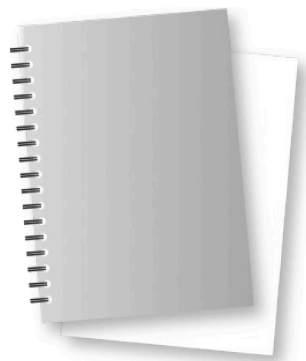
- Basic installation guide and additional QR code labels

What you need for the installation

Before starting the installation of your LINK 740, read the installation instructions and the safety notices and warnings carefully and make sure you have the following:

- The **Contract Confirmation** letter including the **Activation Code**.
- A device with internet connection that is able to scan QR codes, has the LINK Toolkit app installed and the necessary LINK Tookit login credentials.
- The QR code of the LINK 740 (on the device label or on the additional QR code label).
- All parts contained in the box.
- A connection to the vehicle's power supply that is fused with max. 10 A.
- A **place with a clear view of the sky** where you can move your vehicle to check GNSS reception.
- A **Driver Terminal that is compatible with** LINK 740* - optional.

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* To check available LINK 740 accessories or device compatibility please visit https://www.webfleet.com/products

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Safety first

Important safety notices and warnings

Important: Read the following safety instructions carefully. Read the instructions in this document carefully.

Webfleet Solutions 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.

Positioning

Position the device in such a way that it doesn't block or interfere with your view of the road, the controls in your vehicle, or the rear-view mirrors and airbags.

Danger of explosion

Parts of this product 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 this product in a vehicle fuelled by liquefied gas, follow the safety regulations of the country in which the vehicle is operated.

Damage caused through improper installation

The installation and initial operation of the unit must be performed by authorised personnel only, for example, a qualified radio dealer or an automotive electronics workshop.

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.

Damage to the chassis

Make sure you do not drill into parts of the chassis that have structural or security-related functions. This is because you cannot be certain that they will function properly after modification.

Risk of fire

Make sure you do not drill into covered wiring harnesses, fuel lines or similar components. Drilling into these can cause fire.

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 Webfleet Solutions for repair. Only the qualified staff of Webfleet Solutions 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.

Connection overview

Connection overview: Power/CAN cable

			Low Speed CAN ***
① **5PE**/CAN2L	WHITE		
⑥ **NC**/CAN2H	ORANGE/YELLOW		
			High Speed CAN***
② **CAN2L**	WHITE		
⑦ **CAN2H**	ORANGE/GREEN		
			High Speed CAN
③ **CAN1L**	WHITE		
⑧ **CAN1H**	ORANGE/BLUE		
④ **GND**	BROWN		
⑨ **GND**	BROWN		
⑤ **Vbat***	RED		
⑩ **IGN***	BLACK		

LINK 740
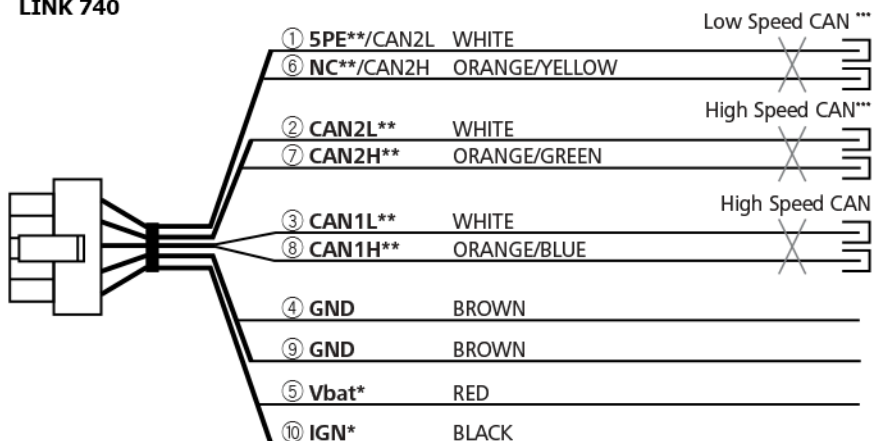
* Make sure this wire is fused with max. 10A.

** Twisted pair. Loose ends of CAN L/CAN H wires must be protected against short circuits. Separate by using a heat shrink tube.

*** Only one of the CAN2 ports can be used.

Connection overview: 12 PIN IO cable
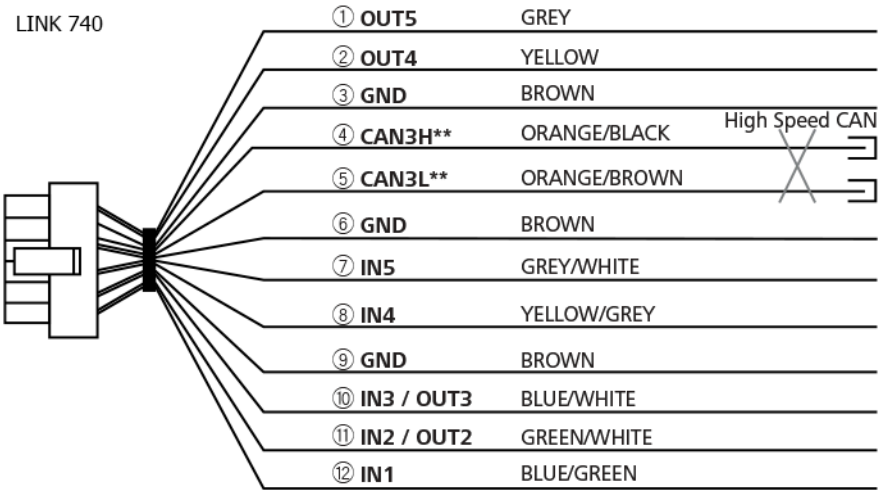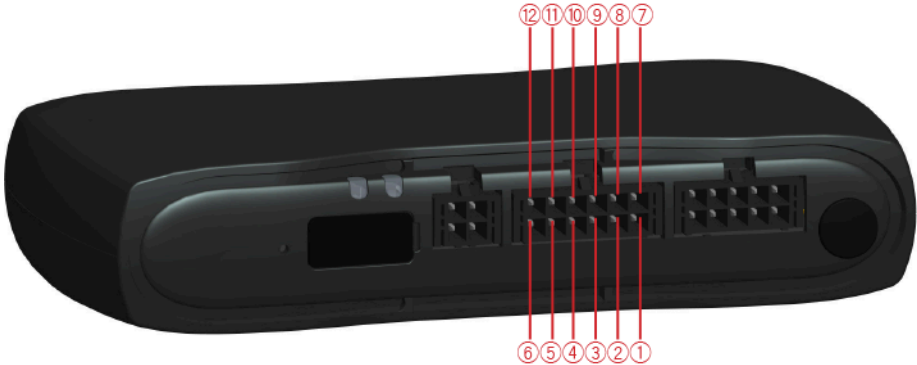
LINK 740

#		Wire color	
①	**OUT5**	GREY	
②	**OUT4**	YELLOW	
③	**GND**	BROWN	
④	**CAN3H****	ORANGE/BLACK	High Speed CAN
⑤	**CAN3L****	ORANGE/BROWN	
⑥	**GND**	BROWN	
⑦	**IN5**	GREY/WHITE	
⑧	**IN4**	YELLOW/GREY	
⑨	**GND**	BROWN	
⑩	**IN3 / OUT3**	BLUE/WHITE	
⑪	**IN2 / OUT2**	GREEN/WHITE	
⑫	**IN1**	BLUE/GREEN	

** Twisted pair. Loose ends of CAN L/CAN H wires must be protected against short circuits. Separate by using a heat shrink tube.

Connection overview: 1 wire

#			Wire color
①	**GND**		BROWN
③	**LED**		GREEN
②	**GND**		BROWN
④	**1W**		WHITE
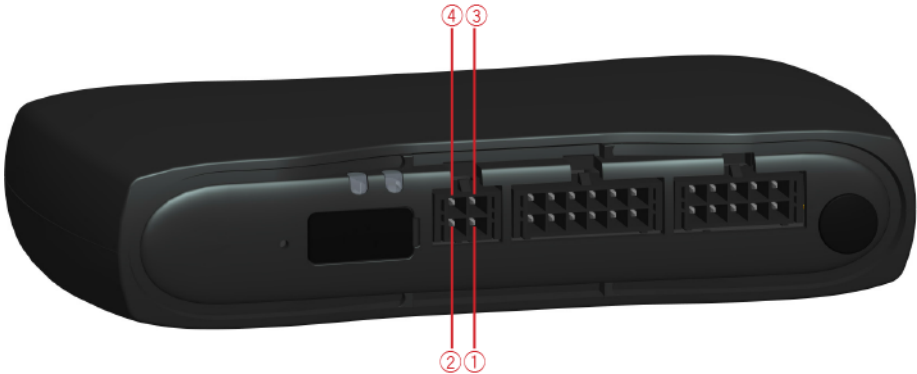
Connecting to the CAN bus

Please refer to the Webfleet Solutions tooling for the CAN configuration of your specific vehicle.

Important! If you need to alter the setting of the CAN DIP switch, re-cover the switches using the red seal, taking care to close the rubber cover completely.

Tips for the installation

- For direct connection to the CAN bus select the wire to be as short as possible and needed. Do not wind the CAN wires.
- Always read the vehicle manufacturer manual for working on the electric BUS system of the vehicle.
- Do not cut the vehicle's wire harness but use a special wire stripper.
- If you have to remove the insulation of wires that are close to each other (e.g. CAN wires), make sure that the places where the insulation is removed are at least 2 cm away from each other to avoid short circuits.
- After the installation, places with removed insulation need to be secured with electrical insulation tape (if possible with heat shrink) and afterwards with a layer of fabric insulation tape.

Note: You can use the LINK CAN Sensor 100 accessory to establish a contactless connection to the CAN 1 or CAN 2 bus.

Connecting to power

Note: If want to connect the LINK CAN Sensor 100 to your LINK 740, please use the Data/Power Cable supplied with the LINK CAN Sensor 100.

Connect the LINK 740 to the vehicle power supply with the standard vehicle voltage (12 V/24 V). Do not connect to a voltage converter. The three wires GND, IGN and PWR+ (supply voltage) must be connected.

Important: Follow the order of connecting the wires as described below. First connect the wires then insert the plug into the LINK 740.

If you have inserted the plug into the LINK 740 first, you must connect the GND wire before you connect the PWR+ wire and the IGN wire as described below.

1. Connect the GND wire (brown) to ground (clamp 31).
2. Connect the PWR+ wire (red) to the carry current (clamp 30).
    The connection must be fused with max. 10 A. If not, fuse the PWR+ wire with one 2 A fast blow fuse.
3. Connect the IGN wire (black) to ignition (clamp 15).
    The connection must be fused with max. 10 A. If not, fuse the IGN wire with one 2 A fast blow fuse.
4. Insert the Power/CAN plug into the power cable connector.

If you need to disconnect the wires while the Power/CAN plug is plugged in the LINK 740 make sure you disconnect the GND wire last.

Choosing the correct position

First you need to choose the correct position in which to install your LINK 740.

Take the following into consideration:

- Do not expose the LINK 740 to direct sunlight and/or high temperature for long periods to ensure proper operation.
- For optimal GNSS reception using the integrated GNSS receiver, the top of the device must not be obstructed by metal items. For more flexibility with regards to installation we recommend using the external GNSS antenna from Webfleet Solutions.
- For optimal cellular reception using the integrated cellular 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.
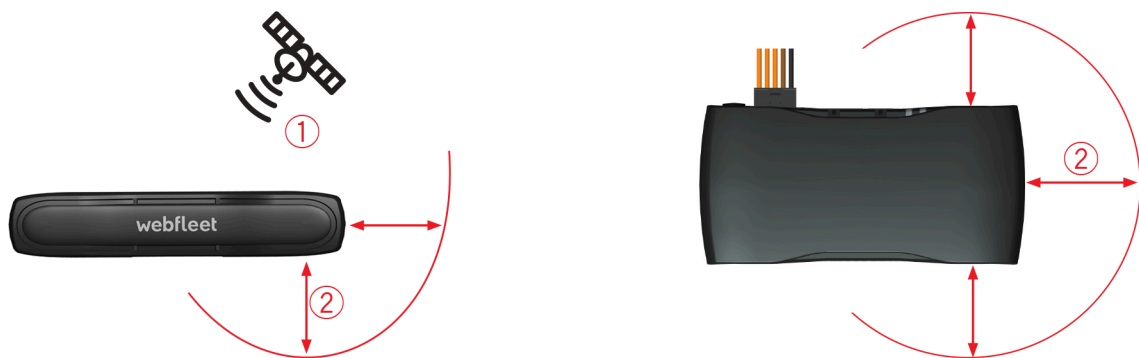
1. Top side of the device must not be obstructed by metal items.
2. Keep minimum distance of 5 cm (2 inches) to metal items.

The device must be positioned with the top side pointing to the sky.

For optimal reception the device must be positioned so that it is unobstructed by metal objects.

The device must not interfere with clear vision for the driver.

Tinted metallised windscreens or those with integrated filament heating may block GNSS reception.

Place the unit a minimum of 5 cm (2 inches) distance to the coachwork or other metal items, so that optimal mobile network transmission and GNSS reception is ensured.

The unit must be placed on an oil free, dry and clean surface, when using the adhesive strips. Extreme temperature changes/differences can affect the adhesive property of the strips.

The device must not be placed inside ventilation ducts.

The device and its cable must not block or impede vent controls, in the case the device is mounted near ventilation ducts.

Do not mount the device close to other electrical components in the car like built-in alarms, gateway, control units, navigation units or to toll collect devices where it could cause or receive interferences.

Before installing the device, please consider the safety instructions and choose the correct position.

Mounting the LINK 740

Your LINK 740 comes with an integrated mobile network antenna and an integrated GNSS antenna. Depending on the position you choose for the installation, you can install your LINK 740 without an external GNSS antenna.

The LINK 740 can be attached with the two adhesive strips or the two tapping screws.

You can attach the holder to the top or to the bottom side of the LINK 740.

Attaching the holder using the adhesive strip

You can use the adhesive strip to fix the LINK 740 to your vehicle. **Follow the safety instructions in this document**.

1. Choose a flat surface for accurate positioning of the unit.
    Remember, when the LINK 740 is in the holder, it must not be obstructed by metal objects.
2. Clean the surface with the supplied cleaning tissue, so that the surface is oil free, dry and clean.
3. Remove the protective film from one side of the strip.
4. Stick the strip to the bottom side of the holder as shown below.
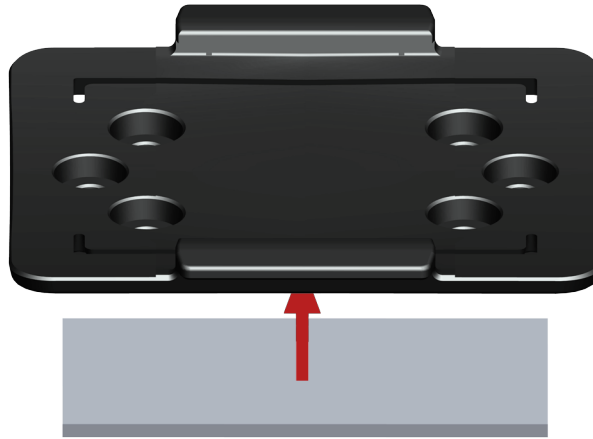
Important: Use the strip only in combination with the holder. Do NOT place the strip on the serial number sticker of the device.

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5. Remove the protective film from the other side of the strip.
6. Place the holder with the adhesive strip on the prepared surface. Press it gently for a few seconds until it sticks.

Note: The full strength of the strip will be reached after approximately 72 hours depending on the temperature.

7. Insert the LINK 740 into the holder. Press gently until it clicks into place.

Attaching the holder using self-tapping screws

You can use two self-tapping screws to fix the holder to your vehicle.

Please refer to the list of what's in the box, to check that the self-tapping screws (3.5 x 16 mm, 1/7 x 5/8 inches) are included in your product package.

1. Choose a flat surface for the LINK 740.
   Remember, when the LINK 740 is in the holder, it must not be obstructed by metal objects.
2. Insert the screws into the corresponding holes in the holder.
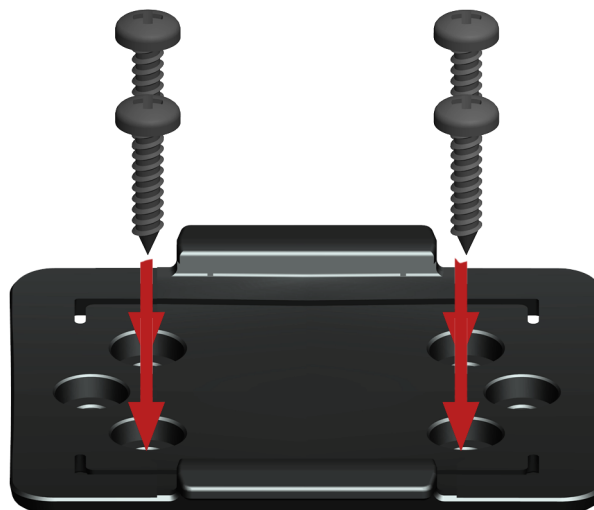
3. Tighten the screws.
4. Carefully place the LINK 740 in the holder until it clicks into place.

Mounting the external GNSS antenna

If you install the LINK 740 in a position where it has poor GNSS reception, you need to use the external GNSS antenna accessory from Webfleet Solutions, which comes with an integrated magnet and an adhesive pad. The external GNSS antenna from Webfleet Solutions is not part of the standard LINK 740 product package.

Important

Only use the GNSS antenna from Webfleet Solutions, otherwise GNSS performance may be poor or not work at all.

Tinted metallised windscreens or those with integrated filament heating may prevent good GNSS reception. In this case, place the GNSS antenna in the rear window or on the outside of the vehicle.

The magnet of the antenna remains attached to the outside of the car at speeds of up to 180 km/h.

Install the GNSS antenna in a position where it has a clear view of the sky and is unobstructed by metal objects.

The GNSS antenna must be placed with the adhesive pad on an oil free, dry and clean surface.

Extreme temperature changes or differences can affect the adhesive property of the pad.
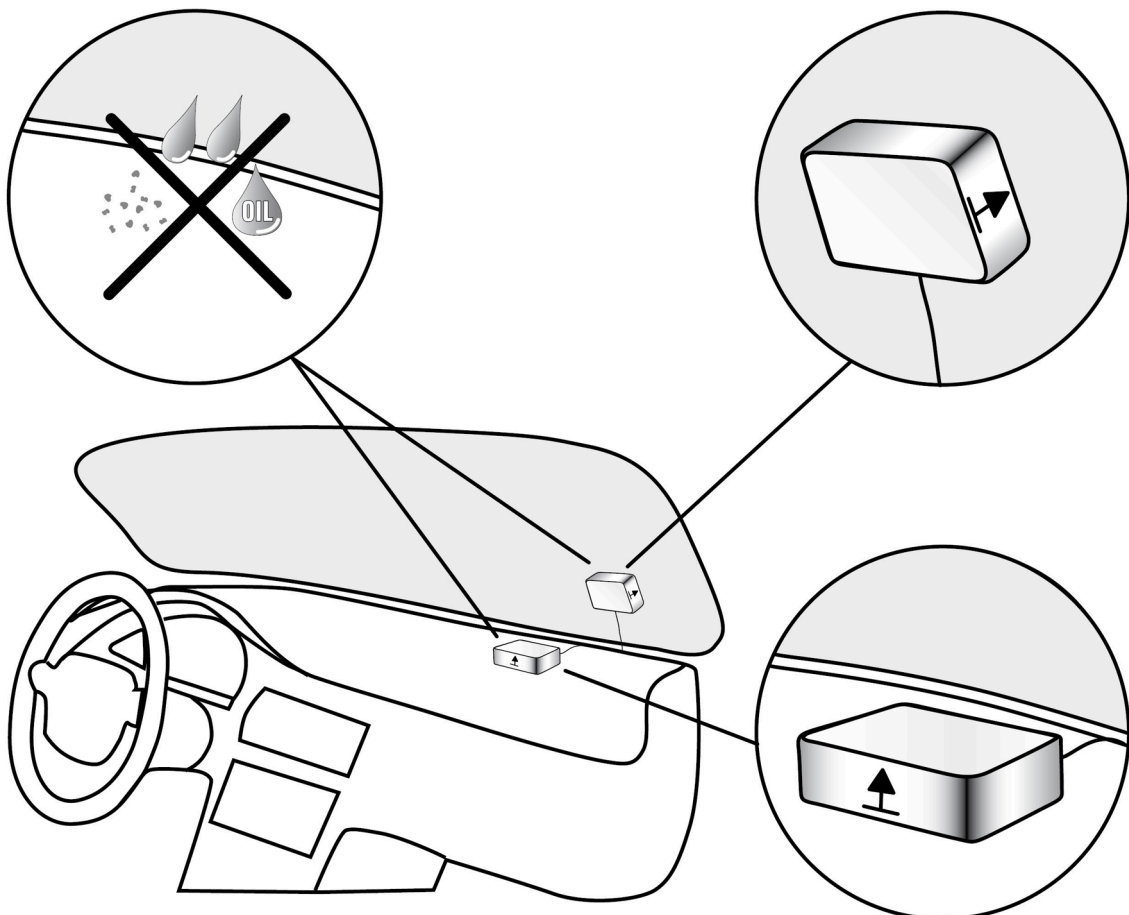
To mount your external GNSS antenna, do the following:
1. Remove the rubber cap from the GNSS antenna connector.
2. Insert the plug of the GNSS antenna into the GNSS antenna connector on the LINK 740.

3. Prepare a smooth, clean, oil free and dry surface on the windscreen.
4. Attach the antenna to the prepared surface so that the top side has a clear view of the sky. Either locate a smooth metal surface or use the extra adhesive pad.

Testing operation

Testing operation with the LINK Toolkit app

In addition to the tests described below you can also test the operation of your LINK 740 using the LINK Toolkit app.

Power or Ignition test

Before testing the connection to power and to the ignition make sure you have properly carried out the installation.

1. Check all connections to your LINK 740 device (wires, fuses etc.).
2. Turn off the ignition.

   The green LED should be off and then go on every 3 seconds.
3. Turn on the ignition.

   The green LED should be on and then go off every 3 seconds. If the device is already activated, the green LED should be on all the time.

   If the LED does not perform as described, monitor the LEDs for diagnostics .

Mobile network reception test

For this test, you may need to move the vehicle to a location with a clear view of the sky, to make sure that you have adequate GNSS and mobile network reception.

For this test put your LINK 740 device in the position where you want to fix it.

1. Turn on the ignition.
2. Look at the yellow LED. It should be on and then go off every 3 seconds.

   As soon as the device has established a connection to WEBFLEET the yellow LED stays on all the time.

   If the LED keeps flashing for longer than 10 minutes, monitor the LEDs for diagnostics .

Activating the LINK 740

You can use the LINK Toolkit app which will guide you through the activation process of your LINK 740 device.

Make sure you have the following:

- The **Contract Confirmation** letter including the **Activation Code**.
- A device with internet connection that is able to scan QR codes, has the LINK Toolkit app installed and the necessary LINK Tookit login credentials.
- The QR code of the LINK 740that you can find on the device label or on the addtional QR code label.

In addition to the LINK Toolkit app you can use an online installation tool to activate theLINK 740 . To go there please scan the QR code of theLINK 740 that you can find on the device label or on the additional labels provided with the device. If login credentials are needed for the online activation tool, please contact Webfleet Solutions or your fleet manager.

Note: If the LINK 740 QR code cannot be scanned, the LINK Toolkit app as well as the online installation tool also support the activation of the LINK 740 using the device serial number and the device activation key (DAK), which you can also find on the QR code labels.

Diagnostics

Monitoring operation

You can monitor the system operation of your LINK 740 by looking at the green system LED and referring to the table below.

Important: The LINK 740 device must be activated in WEBFLEET.

GREEN LED mode

OFF	**Unit is in standby mode or is not connected to power.** • Switch on ignition. • Check if the device is properly connected to power.
OFF and short ON every 3sec	**Ignition off.**
Flashing	No operating system and/or no application available or application failed. • Contact the Webfleet Solutions support team at www.webfleet.com/support.
Rapidly flashing (YELLOW LED is OFF)	**Reset to factory settings**
ON and short OFF every 3sec	Ignition on. Application is running, device is not activated. • Activate device.
ON	**Application is running, device is activated.**

You can monitor the connection of your LINK 740 to the mobile network by looking at the yellow connection LED and referring to the table below.

YELLOW LED mode

OFF	**Not connected - No mobile network coverage.** • Check if device is connected to power. Switch on ignition. • Move the vehicle as you may be in a mobile network dead spot.
OFF and short ON every 3sec	**Not connected - Correct mobile network operator not avaialable.** • Check contract for mobile network roaming support. • Move the vehicle as you may be in a mobile network dead spot.
Flashing	SIM not in place; SIM defective; Modem problem. • In case of SIM modem issues, please contact the Webfleet Solutions customer support at www.webfleet.com/support.

ON and short OFF every 3sec	**Connecting.**
	• If for longer than ten minutes, please contact the Webfleet Solutions support team at www.webfleet.com/support.
ON	**Connected.**

Support

If you cannot find the answer to your question with the help of the tables above, please contact the Webfleet Solutions support team at www.webfleet.com/support.

Resetting the LINK 740

If your LINK 740 does not operate properly or signals a system error you may need to restart or reset the unit. Only restart or reset the LINK 740 after you have made sure you have carried out all previously described steps without success.

Restarting your LINK 740

To restart your LINK 740, press the reset button with a thin pointed object until it clicks and keep it pressed down for 1 to 2 seconds. The LINK 740 restarts within approximately five seconds after releasing the button.

If restarting the device does not succeed remove the Power/CAN cable from the LINK 740. Then plug it into the Power/CAN cable connector again.

Resetting your LINK 740 to factory settings

To reset the LINK 740 to factory settings, press the reset button with a thin pointed object until it clicks and keep it pressed until the green LED starts flashing rapidly. The LINK 740 reboots within approximately five seconds after releasing the reset button.

Important: All information stored on the LINK 740 is deleted during a factory reset.

Technical data

Dimensions	Body: 122 x 59 x 24 mm / 4.8 x 2.23 x 0.94 inches
	Body with Holder: 122 x 63 x 28.3 mm / 4.8 x 2.48 x 1.11 inches
Weight	Body: 110 g / 3.88 ounces
	Holder: 14 g / 0.49 ounces
Material	Body and holder: Injection moulded plastic PC/ABS
Protection class	IP 20
Supply voltage	12 V / 24 V (min. 9 V to max. 30 V)
Current / power consumption (average values)	At 14 V: typically < 0.05 A / < 0.7 W
	At 28 V: typically < 0.03 A / < 0.84 W
	Standby: typically < 0.0015 A / < 0.042 W
	During data transmission
	14 V < 0.15 A / < 2.1 W
	28 V < 0.1 A / < 2.8 W
Fuse protection	Operating voltage* 9 - 30 V to be fused with max. 10 A
	Ignition to be fused with max. 10 A
	* Internally fused with 2A, fuse is not resettable or replaceable, fuse must be replaced by Webfleet Solutions only
Temperature	Operation: -30 °C to +70 °C / -22 °F to +158 °F
	Storage: -40 °C to +80 °C / -40 °F to +176 °F
Mobile networks	Integrated mobile network module intended for connection to one or more of the following mobile network frequencies:
	600/700/800/850/900/1700/1800/1900/2100 MHz
	Micro SIM only accessible with opened housing
GNSS	Integrated GNSS antenna and GNSS receiver

GNSS antenna connector for external GNSS antenna (optional accessory)	SMB (male) - (antenna - female)
	Supply voltage range 3.3 V
	Minimum antenna gain at 3 V: 20 dB
	Maximum antenna gain: 40 dB
	Maximum noise rating: 1.5 dB

Bluetooth®	Integrated **Bluetooth**® (class 2) for connection to Driver Terminals and accessories.

1-Wire Interface	A 4-pin MicroFit connector with 1-wire interface and LED current source (approx. 17 mA) for an indicator light is available. The 1-Wire master is using a 3.3 V supply.

Ignition input	To be connected to the ignition clamp of the vehicle to switch on/off the device with the vehicle ignition signal, if available.

Digital inputs	5 inputs switchable to supply voltage

Digital output	4 output switchable to ground (open drain)

CAN bus	The three LINK 740 CAN bus interfaces are **listen only CAN interfaces by default.** In this mode, the CAN interfaces **cannot** block the connected CAN network.
	It is possible to switch every CAN Interface between listen only and full functionality by a DIP switch. The CAN DIP switch configuration can be read back by the MCU.
	5 PE power supply for external capacitive CAN sensors: For Webfleet Solutions accessories only. Please contact Webfleet Solutions Customer Support.
	CAN3 is equipped with a switchable 120 Ohm load resistor.
	CAN2 Low speed CAN port can be used alternatively as dedicated 5V output port for contactless CAN sensor support.
	CAN1H, CAN1L, High speed CAN
	CAN2H, CAN2L, High speed CAN*
	CAN2HLS, CAN2LLS, Low speed CAN*
	CAN3H, CAN3L, High speed CAN
	* Only one of the CAN2 ports can be used.

USB	A Mini USB connector for service functionality, for example software update.
	Powering the device over USB for service reasons is possible without cellular modem functionality.

| LEDs | Green LED indicates the system status |
| | Yellow LED indicates the connection status |

| Primary battery | 3 V non-rechargeable, this device cannot be operated with this battery |

Appendix: Using the I/O connector

Using the 12 pin I/O cable, you can connect to a digital tachograph, as well as use configurable digital inputs and outputs to connect accessories and 3rd-party devices.

For example, you can record inputs, for keeping a digital logbook with the help of a switch, reporting times the vehicle is idling etc. You can connect the 12 pin I/O cable from Webfleet Solutions to the 12 pin I/O cable connector of the LINK 740.
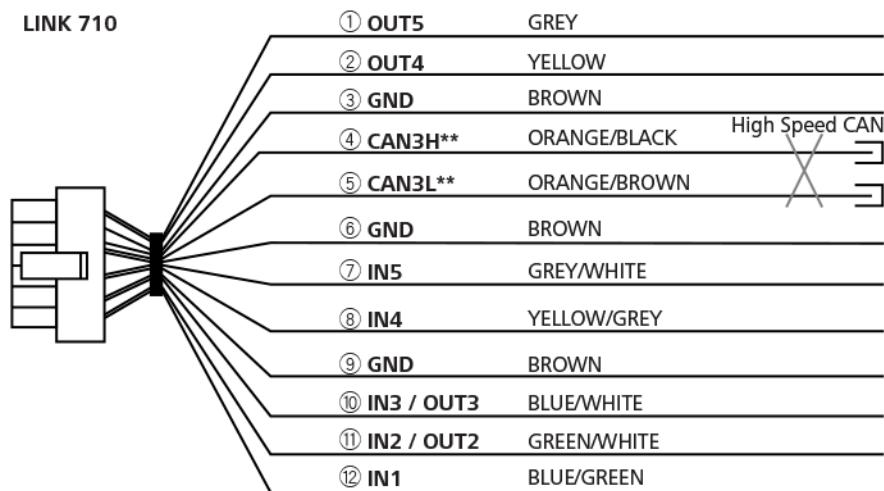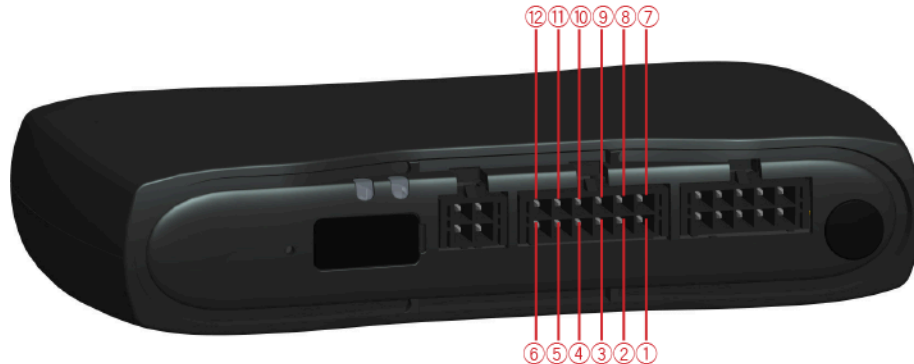
LINK 710			
① **OUT5**	GREY		
② **OUT4**	YELLOW		
③ **GND**	BROWN		
④ **CAN3H****	ORANGE/BLACK	High Speed CAN	
⑤ **CAN3L****	ORANGE/BROWN		
⑥ **GND**	BROWN		
⑦ **IN5**	GREY/WHITE		
⑧ **IN4**	YELLOW/GREY		
⑨ **GND**	BROWN		
⑩ **IN3 / OUT3**	BLUE/WHITE		
⑪ **IN2 / OUT2**	GREEN/WHITE		
⑫ **IN1**	BLUE/GREEN		

** Twisted pair. Loose ends of CAN L/CAN H wires must be protected against short circuits. Separate by using a heat shrink tube.

Wiring digital inputs

The digital inputs of the LINK 740 operate according to the principle of a voltage detector. Voltages below 2 Volts are definitively interpreted as being low and voltages higher than 3 Volts are definitively interpreted as being high. The maximum permissible input voltage is 30 Volts. Low/high switching (increasing input voltage) typically occurs at 2.8 Volts. High/low switching (decreasing input voltage) typically occurs at 2.1 Volts. The hysteresis of 0.7 Volts is to avoid rapid switching.

Interference voltages at the digital inputs must remain below 2 Volts. In order to guarantee this, the input wire of the connecting cable should never remain unconnected. If a digital input is not being used, the input wire must be connected to ground (GND). To evaluate a switch, this switch needs to be designed as a

change-over switch, switching the digital input between plus and minus (ground GND) of the vehicle electrical system voltage (+9 ... 30 V).
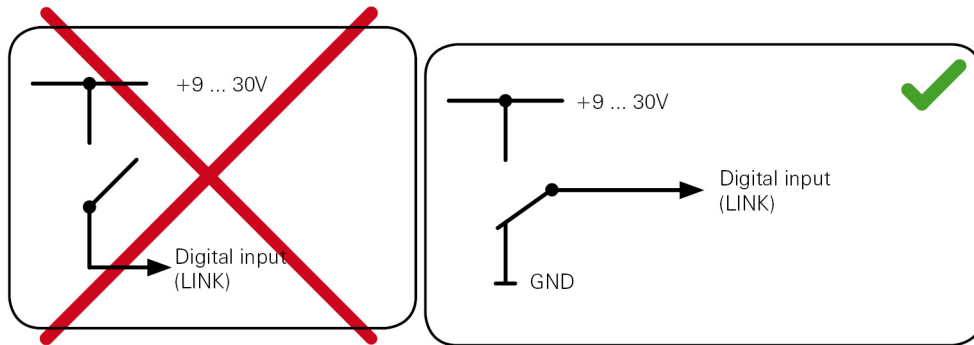
If no change-over switch is available, an electric load for example, indicator light or resistor, between the digital input and ground (GND) or between the digital input and the vehicle voltage (+9 ... 30 V) can offer defined levels.
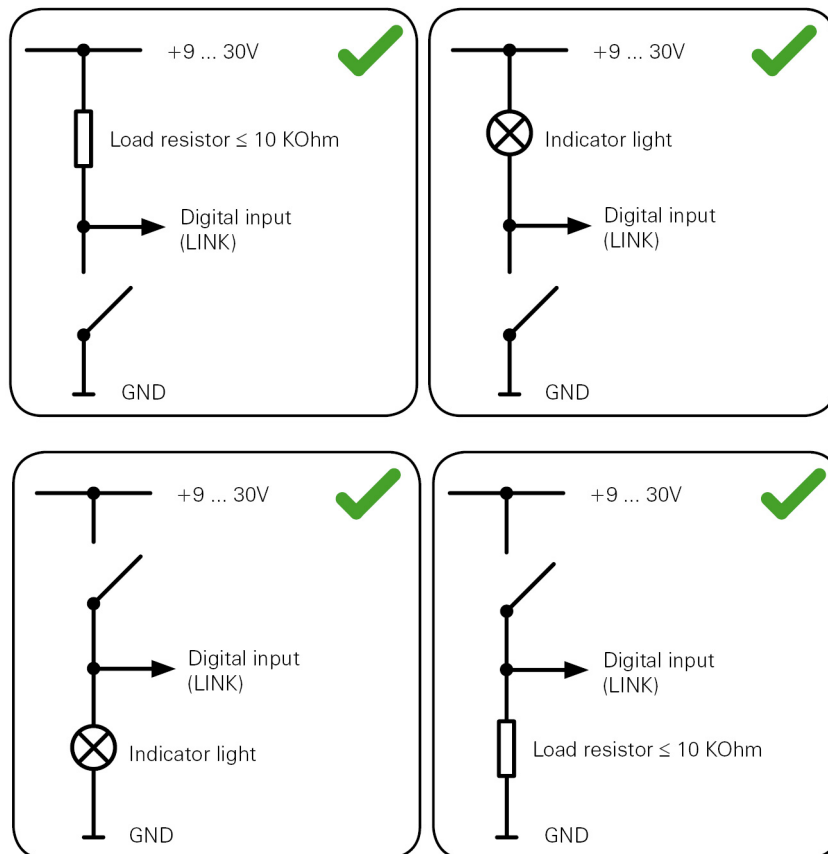
When using inductive loads, a free-wheeling diode must be used in parallel with the load.
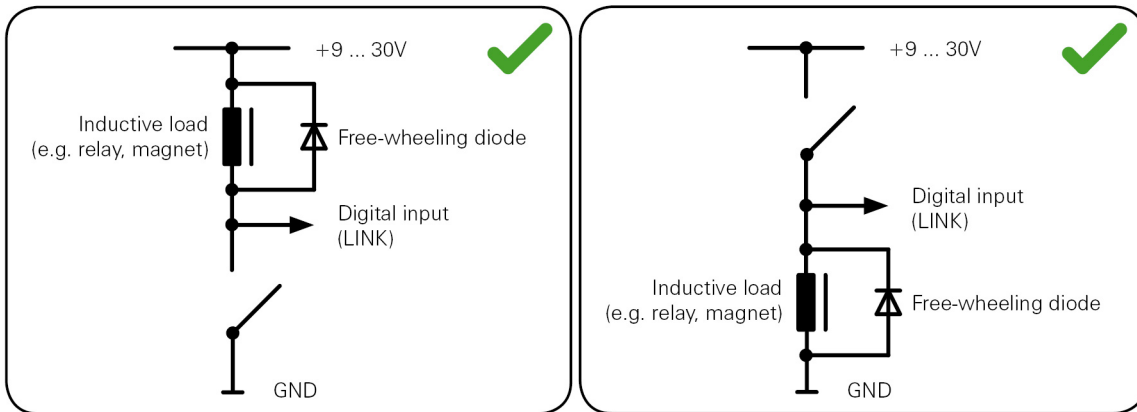
Wiring the digital output

The digital output OUT of the LINK 740 is an open drain output linking to ground. The connected load must be connected between vehicle voltage and OUT. Loads requiring more than 0.35 A must be controlled with relays. If the load requires more than the maximum output voltage use a 12 V/24 V relay, depending on the operating voltage.

Caution: Do not switch safety relevant vehicle functions.
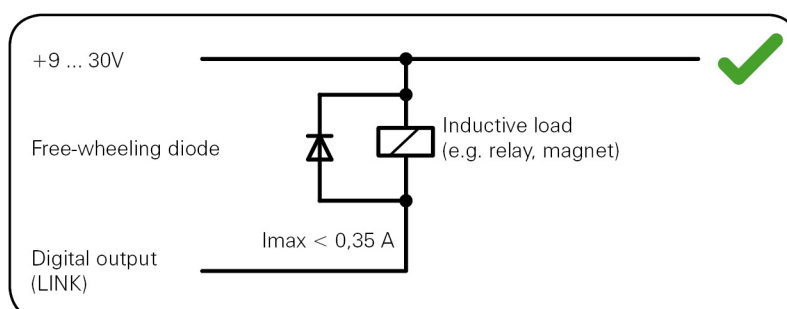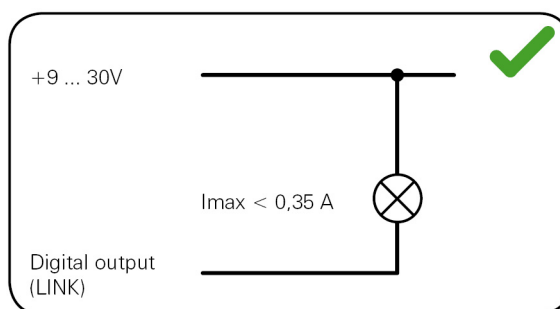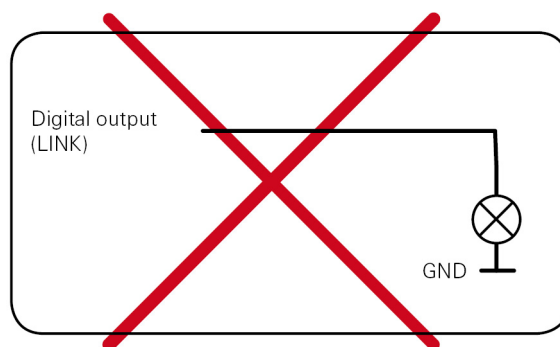
Using the IN and OUT for changing the logbook mode

You can change the logbook mode using the IN/OUT of your LINK 740. Connect a normally open momentary push button switch and an indicator light to the IN/OUT. This requires configuration in WEBFLEET. You can use a normally open momentary push button switch and a separate indicator light or a switch with an integrated indicator light.

Connect a normally open momentary push button switch and indicator light to the IN/OUT.
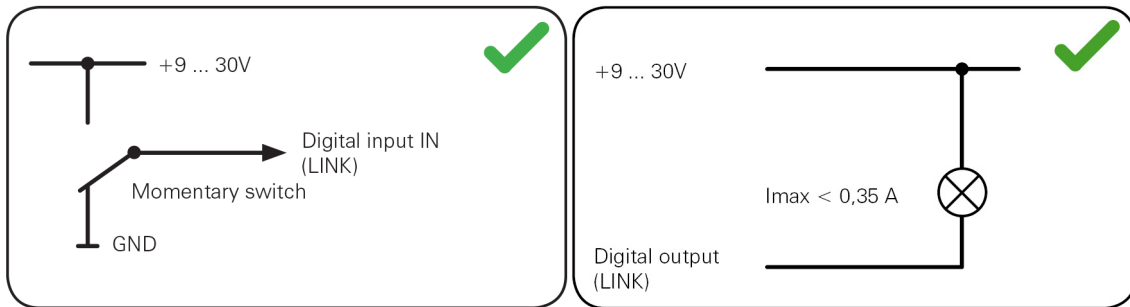
When you press the push button for a short time, the logbook mode switches to Private trip. Then the indicator light will turn on. When you turn on the ignition the logbook mode switches back to Business trip.

Using the input IN for changing the logbook mode

Your LINK 740 can report logbook-relevant information to WEBFLEET. Using the input IN you can change the logbook mode between private and business trips. This requires configuration in WEBFLEET.

Connect a latched switch to IN as shown below.
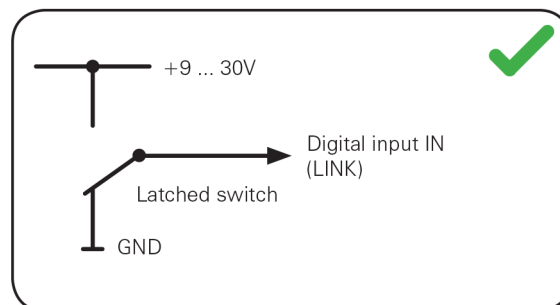
If the switch is on (connected to vehicle voltage), the logbook mode is set to Private trip. If the switch is off (connected to GND), the logbook mode is set to Business trip.

Using the input IN for idle time reporting

Your LINK 740 can report idle times to WEBFLEET when the engine is running for longer than five minutes and the vehicle is not moving. This requires configuration in WEBFLEET.

The input IN must be connected to a signal indicating the activity of the engine, for example alternator, engine, etc. The input IN must be active when the engine is running.

Addendum

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. Webfleet Solutions disclaims any liability for the availability and accuracy of GPS or GLONASS.

Safety messages

Important! Read before use!

Death or serious injury could result from failure or partial failure to follow these warnings and instructions. Failure to properly set up, use, and care for this device can increase the risk of serious injury or death, or damage to the device.

Use with care warning

It is your responsibility to use best judgment, due care and attention when using this device. Don't allow interaction with this device to distract you while driving. Minimise the time spent looking at the device screen while driving. You are responsible for observing laws that limit or prohibit the use of mobile phones or other electronic devices, for example, the requirement to use hands-free options for making calls when driving. **Always obey applicable laws and road signs, especially those relating to your vehicle's dimensions, weight and payload type.** Webfleet Solutions does not guarantee the error-free operation of this device nor the accuracy of route suggestions provided and shall not be liable for any penalties arising from your failure to comply with applicable laws and regulations.

Proper mounting

Do not mount the device in a way that may obstruct your view of the road or your ability to control the vehicle. Do not place the device in an area that may obstruct the deployment of an airbag or of any other safety feature of your vehicle.

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.

Device care

- It is important to take care of your device:
- Do not open the casing of your device under any circumstances. Doing so may be dangerous and will invalidate the warranty.

Prohibited uses
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.

CE mark and Radio Equipment Directive for LINK 740

This device can be used in all EU Member States. The frequency bands in which this device operates are

- GSM: 850MHz, 900MHz, 1800MHz, 1900MHz
- LTE-Cat M: 600MHz, 700MHz, 800MHz, 850MHz, 900MHz, 1700MHz, 1800MHz, 1900MHz, 2100MHz
- Bluetooth®: 2.4 GHz

and the maximum radio frequency emission power within these bands is:

- GSM: 2W, 33dBm for 850/900MHz, 1W, 30dBm for 1800/1900MHz,
- LTE: 100mW, 20dBm for 600MHz, 700MHz, 800MHz, 850MHz, 900MHz, 1700MHz, 1800MHz, 1900MHz, 2100MHz,
- Bluetooth®: 2.5 mW, 4dBm.

Hereby, Webfleet Solutions declares that the radio equipment type telematics black box is in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: https://www.webfleet.com/webfleet/legal/doc/

FCC information for the user

THE DEVICE COMPLIES WITH PART 15 OF THE FCC RULES

Federal Communications Commission (FCC) Statement

This equipment radiates radio frequency energy and if not used properly - that is, in strict accordance with the instructions in this manual - may cause interference to radio communications and television reception.

Operation is subject to the following two conditions: (1) this device may not cause harmful interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

Important

This equipment was tested for FCC compliance under conditions that included the use of shielded cables and connectors between it and the peripherals. It is important that you use shielded cable and connectors to reduce the possibility of causing radio and television interference. Shielded cables, suitable for the product range, can be obtained from an authorized dealer. If the user modifies the equipment or its peripherals in any way, and these modifications are not approved by Webfleet Solutions, the FCC may withdraw the user's right to operate the equipment. For customers in the USA, the following booklet prepared by the Federal Communications Commission may be of help: "How to Identify and Resolve Radio-TV Interference Problems". This booklet is available from the US Government Printing Office, Washington, DC 20402. Stock No 004-000-00345-4.

FCC ID: 2AGPAL0740

IC: 20911-L0740

This device complies with Innovation Science and Economic Development Canada (ISED) licence-exempt RSSs.

FCC RF Radiation Exposure Statement

The transmitters within this device must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC Country Code Selection

The Country Code Selection feature is disabled for products marketed in the US or Canada. Per FCC regulations, all Wi-Fi products marketed in US must be fixed to US operation channels only.

Location of FCC ID and IC ID information on your device

The FCC ID and IC ID can be found on the label attached to the bottom side of your device.

Specific Absorption Rate (SAR) compliance

THIS WIRELESS DEVICE MODEL MEETS GOVERNMENT REQUIREMENTS FOR EXPOSURE TO RADIO WAVES WHEN USED AS DIRECTED IN THIS SECTION

This device is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radio frequency (RF) energy set by the Council of the European Union, Innovation Science and Economic Development Canada (ISED) and the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population.

The SAR limit set by the FCC/ISED is 1.6W/kg averaged over 1 gram of tissue for the body (4.0 W/kg averaged over 10 grams of tissue for the extremities - hands, wrists, ankles and feet). The SAR limit recommended by The Council of the European Union is 2.0W/kg averaged over 10 grams of tissue for the body (4.0 W/kg averaged over 10 grams of tissue for the extremities - hands, wrists, ankles and feet). Tests for SAR are conducted using standard operating positions specified by the FCC/ISED/EU council with the device transmitting at its highest certified power level in all tested frequency bands.

Before a wireless device model is available for sale to the public, it must be tested and certified to the FCC, ISED, and The Council of the European Union that it does not exceed the limit established by the government-adopted requirement for safe exposure under the recommendations of the International Commission on Non-Ionizing Radiation Protection (ICNIRP). The tests are performed in positions and locations as required by the FCC, ISED, and The Council of the European Union for each model.

To maintain compliance with FCC, ISED, and EU RF exposure guidelines, when you carry a Webfleet Solutions device with an integrated mobile data module keep the device at least 20cm (8 inches) from your body when the device is transmitting. If you use an accessory not supplied by Webfleet Solutions when you carry the device, verify that the accessory does not contain metal and keep the device at least 20cm (8 inches) from your body when the device is transmitting.

Button battery warning

This device contains a button battery. Button batteries can be dangerous and if swallowed death or serious injury may occur. Seek immediate medical assistance if ingestion occurs.

Environmental and Battery information
Your device

Do not disassemble, crush, bend, deform, puncture, or shred your device. Do not use it in a humid, wet and/or corrosive environment. Do not put, store or leave the device in a high temperature location, in direct sunlight, in or near a heat source, in a microwave oven or in a pressurised container, and do not expose it to temperatures over 70 °C (158 °F) or below -30 °C (-22 °F).

Long period storage: -40 °C to +80 °C / -40 °F to +176 °F

Avoid dropping the device. If the device is dropped and you suspect damage, please contact customer support. Use the device only with the chargers, mounts or USB cables provided. For Webfleet Solutions approved replacements, go to www.webfleet.com.

Device battery (Non-replaceable)

This product contains a lithium ion battery.

Do not modify or re-manufacture the battery. Do not attempt to insert foreign objects into the battery, or immerse or expose to water or other liquids. Do not expose the battery to fire, explosion or other hazard.

Do not short circuit a battery or allow metallic conductive objects to contact battery terminals.

Do not attempt to replace the battery yourself unless the user manual clearly indicates that the battery is user replaceable.

User replaceable batteries must only be used in systems for which they are specified.

Caution: Risk of explosion if the battery is replaced by an incorrect type.

Do not remove or attempt to remove the non-user-replaceable battery and contact a qualified professional in case you wish to remove it.

Failure to follow these guidelines may cause the battery to leak acid, become hot, explode or ignite and cause injury and/or damage. Do not attempt to pierce, open or disassemble the battery. If the battery leaks and you come into contact with the leaked fluids, rinse thoroughly with water and seek medical attention immediately.

Battery waste disposal

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. BY DOING THIS YOU WILL HELP CONSERVE THE ENVIRONMENT.
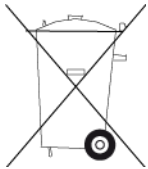
Triman logo

Operating temperature

This device will remain fully operational within the following temperature range:

LINK 740: -30 °C to +70 °C / -22 °F to +158 °F

Prolonged exposure to higher or lower temperatures can cause damage to your device and is therefore advised against.

WEEE – e-waste disposal

As required by Directive 2012/19/EU (WEEE) this product is marked with the crossed-out wheeled-bin symbol on its body and/or packaging. This product shall not be treated as household waste or be disposed of as unsorted municipal waste. To help protect the environment, please dispose of this product by returning it to the point of sale or bringing it to your local municipal collection point for recycling

How Webfleet Solutions uses your information

Information regarding the use of personal information can be found at:

www.webfleet.com/privacy.

WEBFLEET

If your vehicle is configured to connect to WEBFLEET services, it will collect information for the purposes of the WEBFLEET service while the vehicle is in use in association with other WEBFLEET equipment installed in the vehicle.

The following information is continuously collected: vehicle location, g-force/acceleration data, and engine-related data such as fuel consumption, valve positions, engine speed, and odometer value. What information is collected specifically depends on the WEBFLEET equipment installed in the vehicle.

The owner of the WEBFLEET contract decides what purposes this information is subsequently used for, who will have access to it, and for how long the information is kept. Please refer to the owner of the WEBFLEET contract for any additional information. This will usually be the owner or lessee of the vehicle.

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 20 cm (8 inches) during normal operation.

Limites d'exposition

Cet équipement est conforme aux limites d'exposition aux rayonnements définies pour un environnement non contrôlé. Afin d'éviter tout dépassement potentiel des limites d'exposition aux frèquences radio, tout être humain doit rester éloigné d'au moins 20cm (8 puces) de l'antenne dans le cadre d'un fonctionnement normal.

Mobile networks

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

600/700/800/850/900/1700/1800/1900/2100 MHz

Technical Specifications
Supply voltage

12 V / 24 V (min. 9 V to max. 30 V)

Maximum power consumption

14 V: 0.15 A / 2.1 W

28 V: 0.1 A / 2.8 W

Frequencies

Bluetooth®: 2400 MHz

GNSS: 1575 MHz (GPS), 1602 MHz (GLONASS)

GPRS: 850/900/1800/1900 MHz

LTE: 600/700/800/850/900/1700/1800/1900/2100 MHz

Model numbers

LINK 740: L0740

GNSS system

Model: LINK 740

Brand: Webfleet Solutions

PRODUCED IN CHINA

Responsible party in North America

TT Telematics USA Inc., 100 Summit Drive, Burlington, MA

Responsible party in Chile

Webfleet Solutions Chile SpA , Apoquindo 3910, Piso 8, Edificio Las Torcazas, Las Condes, 7550029 Santiago, Chile

Responsible party in Mexico

Webfleet Solutions Mexico S.A de C.V., Torre Diana, Calle Río Lerma 232, Cuauhtémoc, 06500 Ciudad de México, CDMX.

IMPORTED AND MARKETED BY:

Webfleet Solutions Mexico S.A de C.V., Torre Diana, Calle Río Lerma 232, Cuauhtémoc, 06500 Ciudad de México, CDMX.

Emmisions information for Canada

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:

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

Operation is subject to the condition that this device does not cause harmful interference.

This Class B digital apparatus complies with Canadian ICES-003. CAN ICES-3(B)/NMB-3(B)

The Country Code Selection feature is disabled for products marketed in the US or Canada.

Mexico

IFT: n.a.

Operation of this equipment is subject to the following two conditions: (1) this equipment or device may not cause harmful interference and (2) this equipment or device must accept all interference, including interference that may cause undesired operation.

Chile

This product has been verified by SUBSECRETARÍA DE TELECOMUNICACIONES with homologation number n.a.

Warning for Australia

The user needs to switch off the device when exposed to areas with potentially explosive atmospheres such as petrol stations, chemical storage depots and blasting operations.

Notice for New Zealand

This product displays R-NZ to show it complies with relevant New Zealand regulations.

Supplier identification: E4935

Notice for South Africa

This product displays the ICASA logo to show it complies with all relevant South African radio equipment certifications.

Customer support contact

US: 1-866-459-3499

Chile: (+56) 2 2584 7172

Mexico: (+ 52) 5559559224 / (+52) 5559559225

Certification for Australia

This product displays the Regulatory Compliance Mark (RCM) to show that it complies with relevant Australian regulations.

Customer support contact (Australia and New Zealand)

Australia: 02 8023 8554

New Zealand: 09915 0241

This document

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WEBFLEET Telematics Service Platform

To use the LINK 740 you need a valid and active WEBFLEET Telematics Service Platform subscription.

Accessories supplied with this device

- Power cable
- Holder
- Fixings
- Basic installation guide

Accessories not supplied with this device

To access all the features of your LINK 740 one or more of the following accessories are required.

- PRO or TomTom PRO Driver Terminal
- LINK 105
- External GNSS antenna (if the installation location does not grant enough GNSS reception quality)
- LINK CAN Sensor 100
- On/Off Privacy Switch (red)
- Privacy Button (green, 12V)

Note: Alternative fixed installation docks are available

Terms and conditions: Limited warranty and EULA reference

Our terms and conditions, including our limited warranty and end user license terms apply to this product; visit https://www.webfleet.com/legal

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Blue SDK

SHA1, SHA2, HMAC and Key Derivation in C, Brian Gladman

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Webfleet Solutions Limited Warranty

WARRANTOR

Non-U.S. and non-Canadian purchases: If you have made your purchase outside the United States and Canada, this Limited Warranty is granted by and this Limitation of Liability is stipulated for the benefit of Webfleet Solutions B.V., De Ruijterkade 154, 1011 AC Amsterdam, The Netherlands.

WHAT THIS WARRANTY COVERS

1 Webfleet Solutions B.V. ("Webfleet Solutions") warrants to you that the Hardware will be free from defects in workmanship and materials under normal use ("Defects") for a period of one (1) year from the date that the Hardware was first purchased by you ("Warranty Period"). During the Warranty Period the Hardware will be repaired or replaced at Webfleet Solutions' choice ("Limited Warranty") without charge to you for either parts or labour. This Limited Warranty covers the replacement of the Hardware only. If the Hardware is repaired after the Warranty Period has expired, the Warranty Period for the repair will expire six (6) months after the date of repair.

WHAT THIS WARRANTY DOES NOT COVER

2 The Limited Warranty does not apply to normal wear and tear, does not apply when the Hardware is opened or repaired by someone not authorized by Webfleet Solutions and does not cover repair or replacement of any Hardware or part thereof damaged by: misuse, moisture, liquids, proximity or exposure to heat and accident, abuse, non-compliance with the instructions supplied with the Hardware, neglect or misapplication. The Limited Warranty does not cover physical damage to the surface of the Hardware. This Limited Warranty does not cover any software that may accompany or be installed on the Hardware. The Limited Warranty does not cover the installation, removal or maintenance of the Hardware or any costs related herewith.

HOW TO MAKE A WARRANTY CLAIM

3 In order to make a claim of a Defect, you must contact Webfleet Solutions during the Warranty Period via www.webfleet.com to explain the Defect and to obtain an RMA number (Return Materials Authorization) if necessary. You must return the Hardware during the Warranty Period, along with the RMA number provided by Webfleet Solutions and an explanation of the Defect, to the address provided to you by Webfleet Solutions. If a defect arises and a valid claim under this Limited Warranty is received by Webfleet Solutions after the first one hundred and eighty (180) days of the Warranty Period, Webfleet Solutions is entitled to charge you for any reasonable shipping and handling costs made in connection with the repair or replacement of the Hardware. You must comply with any other return procedures stipulated by Webfleet Solutions, if any.

YOUR LEGAL RIGHTS

4 Some countries may not allow the exclusion or limitation of damages. If any part of this Limited Warranty is held to be invalid or unenforceable, the remainder of the Limited Warranty shall nonetheless remain in full force and effect.

5 This Limited Warranty is the only express warranty made to you and is provided in lieu of any other express warranties or similar obligations (if any) created by any advertising, documentation, packaging, or other communications.

6 Except for the Limited Warranty and to the maximum extent permitted by applicable law, Webfleet Solutions and its suppliers provide the Hardware "AS IS AND WITH ALL FAULTS", and hereby disclaim all other warranties and conditions, whether express, implied or statutory, including, but not limited to, any (if any) implied warranties, duties or conditions of satisfactory quality, of fitness for a particular purpose, of reliability or availability, of accuracy or completeness of responses, of results, of workmanlike effort, of lack of viruses, and of reasonable care and skill, all with regard to the Hardware, and the provision of or failure to provide support or other services, information, software, and related content through the Hardware or otherwise arising out of the use of the Hardware. Also, there is no warranty or condition of quiet enjoyment, quiet possession, or non-infringement with regard to the Hardware. This exclusion does not apply to

(I) any implied condition as to title and

(II) any implied warranty as to conformity with description.

7 This Limited Warranty does not affect any legal rights under applicable national legislation governing the sale of consumer goods.

8 This Limited Warranty cannot be transferred to any other person.

LIMITATION OF LIABILITY

9 Neither Webfleet Solutions nor its suppliers shall be liable to you or to any third party for any damages either direct, indirect, incidental, consequential or otherwise (including in each case, but not limited to, damages for the inability to use the equipment or access data, loss of data, loss of business, loss of profits, business interruption or the like) arising out of the use of or inability to use the Hardware even if Webfleet Solutions has been advised of the possibility of such damages.

10 Notwithstanding any damages that you might incur for any reason whatsoever (including, without limitation, all damages referenced herein and all direct or general damages in contract or anything else), the entire liability of Webfleet Solutions and any of its suppliers shall be limited to the amount actually paid by you for the Hardware.

11 Webfleet Solutions shall not be liable for

(I) any fraud on the part of its employees and/or agents; or

(II) any fraudulent misrepresentation on the part of its employees and/or agents.

12 Notwithstanding the above, neither party's liability for death or personal injury resulting from its own negligence shall be limited.