LSK Electronics

# TENERE700-CRUISE-CONTROL

# INSTALLATION MANUAL

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*Thank you for choosing our products. Please read this user manual carefully before installing or using this product. It contains important instructions about installation, setup and use of this device*

# Basic information

This innovative unit adds cruise control functionality and allows for quick control of ABS and Traction Control via the OEM ABS button on the Yamaha Tenere 700 dashboard. It also features simplified control for ABS and Traction Control settings including memory for its settings, ensuring a smooth and efficient riding experience. All functions are seamlessly integrated into the OEM control switches without adding any extra bulk to the handlebars and without cutting any wires. It simply connects between OEM connectors on the motorcycle, mounts onto the supplied holder, and provides enhanced control and riding comfort.

# Important safety & liability notice

This cruise control system is an aftermarket accessory. It is not manufactured, approved, certified, or endorsed by the motorcycle manufacturer or by any governmental or regulatory authority.

This product is provided “AS IS”, without any express or implied warranties, including but not limited to warranties of merchantability or fitness for a particular purpose.

## 1. Installation

This device must be installed by a qualified technician, professional service provider, or a person with appropriate technical skills.

Improper installation or incorrect electrical connection may damage this device or other electrical systems of the motorcycle.

Incorrect installation of electronic devices may lead to serious damage, fire, personal injury, or death.

## 2. Small parts

This product contains small parts.
Keep out of reach of children.

## 3. Road use & legal notice

This device is **not type-approved for road use**.
Use of this product is **entirely at the rider’s own risk and responsibility**.

Although this device performs functions that can also be controlled manually via the original motorcycle controls, it **actively interfaces with onboard electronic systems**, including when the device is not active.
The motorcycle was originally tested and approved for road use **without this device installed**.
Installation of this device **may affect the motorcycle’s road-use approval**.

## 4. Safety & system interaction

This product **interfaces with the motorcycle's onboard electronic systems**, even when its functions are inactive.
In the event of a malfunction, **certain safety-related systems may become unavailable or behave unexpectedly**.
This cruise control is **not an autonomous or safety-critical system** and does not replace the rider's responsibility to maintain full control of the motorcycle at all times.
The rider must remain attentive, keep both hands on the handlebars, and be prepared to manually control speed and braking at all times.

## 5. Intended use

This product is intended for use **only under appropriate riding conditions**, such as steady cruising on open roads.

The cruise control function must **not** be used under the following conditions:

- Urban traffic or traffic congestion
- Low-speed maneuvering
- Slippery or loose surfaces
- Off-road riding
- Any situation requiring frequent or rapid speed adjustments

The use and configuration of ABS and Traction Control systems should always follow the motorcycle manufacturer's recommendations.
The rider is fully responsible for selecting appropriate ABS and Traction Control settings for the given riding conditions.

The cruise control may **automatically disengage** in response to changing riding conditions or system inputs.
Automatic disengagement is **normal system behavior** and is intended to reduce risk.

## 6. Liability

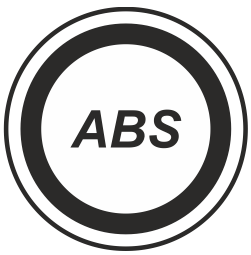
Installation and use of this product are performed **entirely at the rider's own risk**.

The manufacturer shall **not be liable for any direct, indirect, incidental, consequential, or special damages**, including but not limited to personal injury, death, property damage, loss of use, or financial loss, arising from the installation, use, misuse, modification, or inability to use this product.

By installing or using this product, the rider **acknowledges, understands, and voluntarily assumes all risks** associated with its installation and operation.

# ABS and traction control

The new behavior of the motorcycle's ABS and Traction Control settings is demonstrated in the video linked below. Please scan the QR code with any QR reader app or visit the video directly:
https://youtu.be/S7kt82A4BT4




Device is controlled using the OEM "ABS" button on the left side next to the dashboard.

- Shortly press toggles between [ABS ON + TC ON] and [Rear ABS OFF + TC OFF].
- Press and hold for 1 second to: [FULL ABS OFF + TC OFF].

*The device operates without modifying the ECU firmware. The following functions are provided by the device:*

1. **ABS and TC control via the dashboard menu**
   - To access controls using the dashboard menu, the settings don't have to be altered by this device. If your desired setting appears greyed out and cannot be changed, disable the Dongle functionality first. (Exit menu and press the ABS button until no ABS or TC symbols are displayed on the dashboard)

   The ECU and Traction Control system can be controlled in the original way using the dashboard menu. By doing it this way, all control lights and symbols on the dashboard work exactly as they do without the device.

   After restarting the bike, your settings will be retained in memory, but in that case, they are already altered by the device. The behavior of the indicator lights will switch to Dongle Mode.
   *(In Dongle Mode, the device actively manages ABS and Traction Control behavior based on the stored settings.)*

2. **ABS and TC control over the ABS button (Dongle Mode)**

| | |
|---|---|
| ABS ON: | No ABS symbol displayed. |
| Rear ABS OFF: | Upper yellow ABS symbol displayed. |
| ABS completely OFF: | Upper and lower ABS symbols and a grey “ABS…” note displayed in the corner of the screen displayed. |

3. **Control ABS and TC during riding**

   When pressing the ABS button while riding, the Dongle stores the request and the corresponding indicator lights begin flashing.
   The request is executed immediately after the motorcycle comes to a complete stop.

- Safety note:

  Please be careful. This device enables memory for the ABS and Traction Control settings. ABS and/or Traction Control may remain OFF when you — or someone else — sits on the bike assuming they are ON.
  Always check the ABS and TC indicators before riding. Use of this device is at your own risk.

# Cruise control

The operation of the cruise control system is demonstrated in the video linked below. Please scan the QR code with any QR reader app or visit the video directly: https://youtu.be/n5w1kp32YBU

## 1. System description

This cruise control system is an aftermarket accessory designed to assist the rider in maintaining a selected cruising speed under suitable riding conditions.

The system operates using the motorcycle's existing control inputs and monitors riding conditions to support smooth and stable speed holding during steady riding. It is intended to reduce rider fatigue during longer rides and highway cruising.

The cruise control is not an autonomous system and does not actively control braking or steering.
The rider remains fully responsible for controlling the motorcycle at all times.

The system is designed to disengage immediately when the rider intervenes or when riding conditions change.

## 2. Activation conditions

The cruise control can be activated only when all of the following conditions are met:

a) Riding menu (under "MODE" button) on the dashboard is not active
b) Vehicle speed is between 25 and 180 km/h (16–112 mph)
   - *The cruise control operates based on the motorcycle's actual vehicle speed. The speed displayed on the instrument cluster may differ from the actual speed, so the indicated speed at which cruise control becomes available may appear higher. This behavior is normal and depends on the motorcycle model and the speedometer calibration.*
c) Engine speed is between 1600 and 9000 RPM
d) The motorcycle is operated in 2nd gear or higher
e) No brake input is applied

If these conditions are not met, the cruise control will not activate.
This is normal system behavior and does not indicate a malfunction.

## 3. How to operate

**a) Activate cruise control:**
While riding at a steady speed and meeting the activation conditions, press and hold the **MODE** button on the right handlebar to set the current speed.

**b) Adjust the set speed:**
- To increase the set speed, press and hold the **UP** arrow on the left handlebar controller.
- To decrease the set speed, press and hold the **DOWN** arrow.

**c) Resume previous speed:**
If cruise control has been deactivated but was previously set, you can return to the last set speed by pressing and holding the **UP** arrow for about one second.

**d) Override with throttle:**
You may use the throttle to temporarily increase speed above the set value. After releasing the throttle, the motorcycle will return to the previously set cruise control speed.

**e) Deactivate cruise control:**
Cruise control will turn off when you:
- Press the **MODE** button again
- Apply the front or rear brake
- Change gears

## 4. Automatic deactivation

The cruise control continuously monitors riding conditions and system status to ensure safe operation.

The system may **automatically disengage** if it detects a condition that could affect proper or safe operation, including, for example:
- Significant changes in riding conditions or vehicle speed
- Loss of traction or inconsistent wheel speed signals

- Unexpected or implausible input values
- Engine speed reaching its operating limit
- Abnormal system behavior or communication errors
- Intervention of motorcycle assistance systems
- In such cases, the cruise control will disengage immediately and smoothly.

**Automatic deactivation is normal system behavior and does not indicate a malfunction.**
Normal cruise control operation can be resumed once conditions allow.

# Installation instructions

This product requires **professional installation** or installation by a person with appropriate technical skills and experience with motorcycle electrical systems.

Due to the complexity of the installation, the procedure is provided **exclusively in video form**.

Please scan the QR code below to access the **product page**, where the official installation video is available.
If you are unable to scan the QR code, please visit the following website:
https://www.lskelectronics.com/store/Cruise-Control-&-ABS-Dongle-for-Yamaha-Tenere-700-Seamless-Integration-with-OEM-Controls-p770470641

The installation video is considered an **integral part of the installation instructions** and must be followed exactly as shown.

Improper installation or incorrect electrical connection may result in malfunction, damage to the product or the motorcycle, or personal injury.

If you are unsure about any step of the installation, **do not proceed** and consult a qualified service technician.

# Warranty information

The warranty period and conditions are governed by the Business Terms and Conditions available at https://www.lskelectronics.com/legal

This product is covered by a **Limited Warranty** against defects in materials and workmanship under **normal use and maintenance**.

This Limited Warranty **does not cover** damage or malfunction resulting from, but not limited to:

- Improper installation
- Mechanical damage
- Modification or disassembly by unauthorized persons or services
- Misuse, abuse, or neglect
- External causes or conditions not related to defects in materials or workmanship

We reserve the right to deny a warranty claim if the product shows signs of improper handling, unauthorized disassembly, or damage not caused by a manufacturing defect.

During the warranty period, we will, at our discretion, **repair or replace** the defective product or defective parts.

**Warranty claims must be submitted through the seller or distributor from whom the product was purchased.**
**The manufacturer reserves the right to perform or request a technical evaluation of the product in order to determine warranty eligibility.**
The seller or distributor may be required to consult the manufacturer before approving a warranty claim.

To obtain warranty service, please contact the seller or distributor, or use one of the contact options listed on our website, and provide a description of the issue.

# Troubleshooting

If installed correctly, the device is designed to operate without error conditions under normal operation.

## 1. Engine warning light after installation

- Cause:
  The ignition was switched ON while the original 10-pin throttle connector was disconnected during installation.

- Solution:
  This condition causes a fault code to be stored in the motorcycle ECU.
  The fault must be cleared using a diagnostic tool.
  After clearing the fault code, the warning light will turn off and normal operation will be restored.

## 2. ABS button does not respond

- Possible cause:
  Incorrect or incomplete connection of the wiring related to the ABS control.

- Solution:
  - Check all connectors and wiring related to the cruise control installation
  - Ensure all connectors are fully seated and properly locked
  - Inspect cables for pinched, damaged, or incorrectly routed wires

  After correcting the wiring, cycle the ignition OFF and ON.

## 3. Multiple warning messages on the instrument cluster

*(fuel level not displayed, multiple error messages, missing system information)*

- Possible cause:
  Communication between the motorcycle systems is not working correctly.
  This may be caused by:
  1. Incorrect wiring or connector installation
  2. A malfunction of the cruise control unit

- Solution:
  a) Switch the ignition OFF
  b) Check all connectors and wiring related to the cruise control installation
  c) If the issue persists, temporarily **remove the cruise control** and reconnect the motorcycle to its original configuration
  d) If the warning messages disappear after removal, contact the seller or distributor from whom the product was purchased to initiate a warranty claim

## 4. Important note

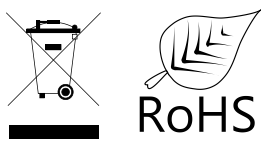
Many issues encountered after installation are related to **wiring or connector installation**.
Carefully following the official installation video is essential for correct operation.

If the issue persists after following the steps above, contact the seller or distributor from whom the product was purchased.

# Recycling

The retired device should be disposed of at designated facilities for electronic waste.

This device complies with Directive 2011/65/EU (RoHS).

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For product information and updates, visit:
www.lskelectronics.com