

# TKE

## ENGAGE™ Test Kit



### Overview

The ENGAGE™ Test Kit (TKE) helps evaluate system design prior to installation of new ENGAGE wireless networked systems which utilize the ENGAGE GWE Gateway. The TKE can also be used to diagnose signal quality and signal strength in existing ENGAGE wireless applications.

ENGAGE enabled locks and devices communicate via 2.4 GHz Bluetooth® Low Energy (BLE) to the ENGAGE Gateway which is required for communication between ENGAGE devices and the access control panel for networked, real-time solutions using one of our integrated PACS providers.

The ENGAGE Test Kit transponder is used to communicate to the ENGAGE Gateway as an access control module. By using the ENGAGE mobile app to conduct the survey it is possible to obtain clear and comprehensive results during the survey. LED lights and numerical data provide intuitive feedback about the quality and strength of the 2.4 GHz Bluetooth Low Energy (BLE) signal<sup>1</sup>. By obtaining feedback on two different data points in the same test it makes it easier to identify issues and optimize placement of the gateway.

The communication range of ENGAGE enabled devices to the gateway is up to 30 feet with normal building construction. The TKE can be used to determine the proper location of each Gateway to optimize system design. When installed properly, an ENGAGE wireless solution is an extremely reliable and cost-effective alternative to a hardwired networked system.

### Features and benefits

- Allows testing of 2.4 GHz Bluetooth Low Energy (BLE) signals between ENGAGE enabled devices and ENGAGE Gateway<sup>1</sup>
- Assists in accurate system design and quoting process
- Ensures proper location of gateways for efficient system installation
- Can be used to test existing installations for signal quality and strength
- Numerical and color indication of signal strength and quality; green for strong connection, red for weak connection
- For use with Schlage Control™, NDE, and LE wireless locks, Schlage CTE single door controller and Von Duprin® exit devices with the RU/RM option
- Power supply, rechargeable battery and tripod included in kit for on-site convenience

<sup>1</sup>. Kit does not support testing of Wi-Fi signals or standalone installations.

### CYBERSECURITY

Learn about Allegion's commitment

---

## ENGAGE Test Kit transponder specifications

---

Frequency	2.4 GHz Bluetooth Low Energy (BLE) version 4.0
Communication range	Up to 30 ft with obstructions (normal building)
Operating temperature	32° to 120°F (0° to 49°C)
Battery type	4AA alkaline batteries
Dimensions (H x W x D) (excluding wire fastener)	7.20" x 3.59" x 2.80" (18.29 cm x 9.12 cm x 7.11 cm)
Certifications	<ul style="list-style-type: none"><li>▪ FCC Part 15</li><li>▪ Industry Canada (IC)</li><li>▪ RoHS</li></ul>

---

---

## ENGAGE GWE Gateway specifications

---

Frequency	2.4 GHz Bluetooth Low Energy (BLE) version 4.0
Communication range	Up to 30 ft with obstructions (normal building)
LED user interface	Power on, linking status, connection to mobile device
Operating temperature	32° to 120°F (0° to 49°C)
Power	12 VDC or 24 VDC (12 VDC power supply and rechargeable lithium battery included)
Dimensions (H x W x D)	5.1" x 6.0" x 1.2" (13.0 cm x 15.3 cm x 3.04 cm)
Weight	8.6 oz (.24 kg)
Certifications	<ul style="list-style-type: none"><li>▪ UL 294</li><li>▪ FCC Part 15</li><li>▪ Industry Canada (IC)</li><li>▪ RoHS</li></ul>

---

## ENGAGE Test Kit contains:

- ENGAGE GWE Gateway and mounting bracket
- Two ENGAGE transponders
- 12 VDC power supply
- Rechargeable battery
- Quick start guides
- 9 foot tripod
- Backpack

Allegion, the Allegion logo, ENGAGE technology, Schlage and Von Duprin are trademarks of Allegion plc, its subsidiaries and/or affiliates in the United States and other countries. All other trademarks are the property of their respective owners.

## About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit [www.allegion.com](http://www.allegion.com).

KRYPTONITE ■ LCN ■  ■ STEELCRAFT ■ VON DUPRIN



© 2021 Allegion  
013210, Rev. 03/21  
[www.allegion.com/us](http://www.allegion.com/us)