

Supra[®] DirectKey[™] Module 3.0

Product User Manual



Overview

The Supra[®] DirectKey[™] Module is a low-power consumption module designed to retrofit Bluetooth[®] Smart communications to existing hospitality and commercial access control devices. The module provides secure wireless communication of credentials from a user's smartphone to a locking device, eliminating the need for the assignment of traditional security tokens such as magnetic stripe cards and RFID cards. The secure credential payload delivers card data securely to the lock. This can be viewed as a 'virtual' magnetic stripe or an RFID card read.

The Supra DirectKey Module utilizes a high-performance 2.4GHz Bluetooth Smart 5.1 radio in a cost-effective, pre-certified footprint. Secure Bluetooth Smart communications is achieved through the application of an addition security layer provided by the Supra cloud credentialing service.

Features

- RoHS-compliant package
- 0.6" x 1.2" x 0.140" Footprint
- -40°C to 85°C Operating temperature
- +2dBm Maximum output power
- Operating supply voltage 1.8V to 3.6V
- UART & SPI Communications
- Bluetooth Smart 5.1

Label Requirement

The label must contain the following information.

FCC ID: TCZ-10105567G1

IC: 1175F-10105567G1

Certifications

United States (FCC)

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.
3. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

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

Part 15 Subpart B disclaimer: - The modular transmitter is only FCC authorized for the specific rule parts (i.e., FCC transmitter rules) listed on the grant, and that the host product manufacturer is responsible for compliance to any other FCC rules that apply to the host not covered by the modular transmitter grant of certification. If the grantee markets their product as being Part 15 Subpart B compliant (when it also contains unintentional-radiator digital circuitry), then the grantee shall provide a notice stating that the final host product still requires Part 15 Subpart B compliance testing with the modular transmitter installed.

Canada (IC)

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.
- (3) This equipment complies with ISSED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with greater than 20cm between the radiator & your body.

Cet équipement est conforme à la (aux) norme(s) canadienne(s) d'exemption de licence RSS Industry Canada. Son opération est sujette aux deux conditions suivantes : (1) cet équipement ne provoquera aucune interférence et (2) cet équipement doit tolérer toute interférence pouvant provoquer une opération indésirable de l'équipement.

Cet équipement est conforme aux limites d'exposition aux rayonnements ISSED établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé à plus de 20 cm entre le radiateur et votre corps.

European Union (CE)

This Class B digital apparatus conforms to the requirements of the following EU directives:

1. RED Directive (2014/53/EU)
2. WEEE Directive (2012/19/EU)
3. Safety (IEC/EN62368 -1 + CB)

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