VCU User Manual

Model: BIT042N

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FCC Notices

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment 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 manufacturer could void the user's authority to operate the equipment.

When using the product, maintain a distance of 20cm from the body to ensure compliance with RF exposure requirements.

ISED Canada Compliance Statement

English

This device complies with ISED Canada license-exempt RSS standard(s). 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.

Exposure to radio frequency energy. The radiated output power of this device meets the limits of FCC/ISED Canada radio frequency exposure limits. This device should be operated with a minimum separation distance of 20 cm (8 inches) between the equipment and a person's body.

Français

Le présent appareil est conforme aux CNR d'ISDE Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

L'exposition à l'énergie radiofréquence. La puissance de sortie rayonnée de cet appareil est conforme aux limites de la FCC/ISDE Canada limites d'exposition aux fréquences radio. Cet appareil doit être utilisé avec une distance minimale de séparation de 20 cm entre l'appareil et le corps d'une personne.

Summary

The Lyft BIT041B is a connectivity, location, and card reader device for use on Lyft micromobility vehicles. The device communicates with the other components on the vehicle to control throttle, brakes and lighting; and to report the status of the vehicle to an internet server over LTE.

This device is only intended to be used by Lyft for their own products, and will not be sold to other companies or to consumers. This device should not be used in any other circumstances without the express permission of Lyft.

External Interfaces

The device exposes five external cables that connect to the vehicle hardware. These connectors are only intended to mate with the appropriate connectors on Lyft vehicles and maintenance hardware.

- **Connector 1 (4 pins):** Power & CAN
    - Higo L409CG
- **Connector 2 (3 pins):** Left Handlebar Analog
    - Higo L309CM
- **Connector 3 (6 pins):** Right Handlebar Analog
    - Higo L609CM
- **Connector 4 (8 pins):** Right Handlebar Digital
    - Higo L810CG
- **Connector 5 (5 pins):** LED Beacon and Headlight
    - Higo L509CM

Installation Instructions

The device must only be installed as approved by a Lyft manufacturing SOP in order to ensure compliance with applicable FCC regulations. A brief summary of the key electrical and mechanical connections is included below for reference.

Electrical Connections

The connectors on the device may be attached in any order.

Mechanical Connections

The device must be mechanically affixed to the micromobility vehicle in order to ensure that the connectors maintain connectivity during motion and to ensure consistent RF performance. Mounting points have been provided for secure attachment.

Environmental Limits

This device is intended for use in ambient operating temperatures ranging from -20C to 50C.