USER MANUAL

Customer August Home Inc

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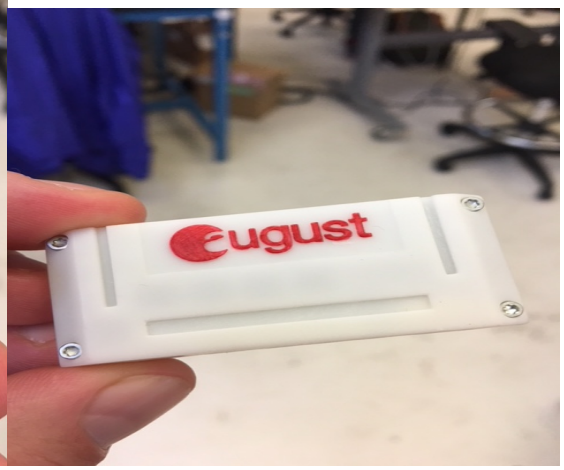
Product Name - August BLE Module Gen 1
Description - August BLE Radio Module
Model Number: **MD-01**

FCC ID: 2AB6UMD01
IC: 12163A-MD01



Legal notices

Document Revision history

Version	Date	Product application
1 .0	2 March, 2018	1st addition of the MD-01user manual

Product features

The purpose of the radio communications module is to provide the Yale lock system the ability to communicate with users' mobile phones over **Bluetooth Low Energy (BLE).**

The basic premise of the radio module is to abstract the specifics of the radio protocol so that the users can choose the suitable module to integrate the lock to the rest of their home security system. Modules supporting industry standard protocols such as Z-wave and Zigbee are separately available.

Software Description

The radio module firmware, contained in the device's flash memory, contains the following components:

1. **Bluetooth Low Energy stack**
   The stack provides the underlying interfaces to establish radio communications with the users' mobile phones over BLE.
2. **Application firmware**
   a. Implements a manufacturer specific data transfer protocol to communicate with the microcontroller in the Yale lock.
   b. Translates messages between the application running on the users' mobile phones and the lock, effectively providing the interface for the users to realize the functionality of the lock, such as locking and unlocking the door, seeing the current status of the lock and managing the users' access to the lock.
   c. Stores configuration parameters and usage logs
   d. implements over-the-air firmware update

Installation Procedure

Pre-requisites

Hardware

1. Compatible Yale deadbolt lock with keypad
2. August BLE radio module
3. Smartphone running Apple iOS or Android operating system

Software

August application can be downloaded from can be downloaded from http://www.august.com/app or can be installed from the App Store on iOS or Play Store on Android.

Procedure

1. Follow the procedure for installing the radio module as described in the user manual provided with the Yale lock.
2. Then, invoke the “Setup a New Device” procedure in the August mobile application and follow the steps as shown.

General Procedures

Once the installation procedure is complete, all functionality of the lock is exposed to the user via the August mobile application.

Operation of the lock

1. Open the August app
2. Navigate to the home page
3. The current status of the lock is displayed as a red circle (lock is locked) or a green circle (lock is unlocked)
4. Tap on the red or green circle to change the status of the lock

Access control

Navigate to the “Guest List” page via the icon depicting people, found on the bottom of the page.
Users can be added to provide access via the August mobile phone, by providing their phone number. The users would be able to gain access to the lock once they install the August mobile application on their smartphone.
Users can also be provided entry access by assigning a unique code to be entered at the keypad on the exterior of the lock.

Settings

Navigate to device settings page via the icon depicting a gear, found on the bottom of the page.
Here, various settings such as volume control, relock timing, audio prompts language etc. can be modified. This interface also provides the ability to perform re-calibration of the sensors in the module and also view information about the lock and the module.

FCC regulations

FCC caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
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.

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.

This device is intended only for OEM integrators under the following conditions:
The transmitter module may not be co-located with any other transmitter or antenna.

As longs as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any addition l compliance requirements required with this module installed.

> Important note: In the event that these conditions can not be met (for example certain laptop configurations or co-location with another transmitter), then the FCC authorization is no longer considered valid and the FCC ID cannot be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

IC regulations

This device complies with Innovation, Science and Economic Development Canada license-exempt RSS standards(s). Operation is subject to the following two conditions:

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

Français:

Cet appareil est conforme aux flux RSS exemptés de licence d'Innovation, Science et Développement économique Canada. L'opération est soumise aux deux conditions suivantes:

1. Cet appareil ne doit pas provoquer d'interférence; et
2. Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

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RF Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter mush be at least 20 cm from the user and much not be co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with the IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.
Énoncé d'exposition aux rayonnements: Cet équipement est conforme aux limites d'exposition aux rayonnements ioniques RSS-102 Pour un environnement incontrôlé. Cet équipement doit être installé et utilisé avec un Distance minimale de 20 cm entre le radiateur et votre corps.

End Product Labeling

The final end product must be labeled in a visible area with the following: “Contains FCC ID: 2AB6UMD01, IC: 12163A-MD01”, where:

- “2AB6UMD01” is the approved FCC ID of this module
- “12163A-MD01” is the approved IC ID of this module

The grantee’s FCC/IC ID can be used only when all FCC/IC compliance requirements are met.
Manual Information to the End User

The OEM integrator has to be aware not to provide information to the end user regarding how to install or remove this RF module in the user’s manual of the end product which integrates this module. The end user manual shall include all required regulatory information/ warning as show in this