ROC[m] Operational Description + User Manual

Overview

The ROC module, known as ROC[m], bridges the in-room device network with our ROC cloud infrastructure. One ROC[m] resides in each guest room where Evolve devices are present. It is powered with a standard wall-wart power supply and is hidden/mounted behind your selected piece of furniture within the guest room using 4 self-tapping screws.

We recommend mounting the ROC[m] either behind a desk, TV credenza, or any other piece of stationary yet movable furniture. Keep in mind ROC[m] needs to be located near an outlet or power source.

Specifications

- Network: 10/100 Ethernet or 802.11 b/g/n WiFi
- Automation hardware: Z-Wave
- HW Architecture: ARM
- Operating System: Embedded GNU/Linux
- Power: 120v adapater / or POE
- LED diagnostic indicator panel
- Monopole antenna 908.42 Mhz transmitting narrow band FSK signal - Avg. gain 1.5 dBi

Dimensions

- Width: 8.5 inches
- Height: 4.75 inches
- Depth: 1.5 inches

Operational Description

The ROC[m] is Evolve's room control gateway device. The device connects to a Wi-Fi network for communication via our cloud infrastructure, and bridges IP commands to Z-Wave commands for communication with other Evolve devices. An example of this would be allowing a user on Evolve's cloud infrastructure to turn on an Evolve light switch via a remote location. The request would be placed on Evolve's managed webpage, the message would be delivered to the ROC[m] via a Wi-Fi connection and the command would be converted to a Z-Wave message to turn on a physical light switch. The device shall always operate at a distance greater than 20 cm from the human body.

User Manual

Following simple mechanical installation using the provided self-tapping screws and plugging in the wall-wart into an outlet, it's important to ensure the Wi-Fi signal strength is sufficient to connect to the Wi-Fi network. There is a Wi-Fi LED that will illuminate if this connection is made successfully. The installer must then use Evolve's proprietary programming software to configure the room. Control over the room by the customer is provided by Evolve's managed website which requires an active subscription. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Statement

Statement 15.19(a)(3): This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not casuse harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

IC Statement

The term IC before the Certification/Registration number only signifies that the Industry Canada technical specifications were met.

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.

Le présent appareil est conforme aux CNR d'Industrie 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'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

evolve