



3Egreen technology Inc.

BAC01 Series

2.4GHz BLE 4.1 Application On/Off Module

(Power Plug In Type)

BAC01-00

Released Date: 2014/10/1

Version 1.0

The content of this technical document is subject to change without notice. Please contact 3Egreen for further information.

All rights are strictly reserved. Any portion of this document shall not be reproduced, copied, or transformed to any other forms without prior permission from 3Egreen.

Copyright Notice

Copyright © 2014 3Egreen Technology Co., Ltd.

All Rights Reserved.

Reproduction without permission is prohibited.

Trademarks

3Egreen is a registered trademark of 3Egreen Technology Co., Ltd.

3Egreen Confidential

1. Introduction

3Egreen remote controllable BAC01(AC plug/Switch) is essential part to implement a home automation system for easy to install and use. This wireless plug-in ON/OFF switch is a transceiver which is a BLE enabled device and is fully compatible with any BLE network. This module will send On/Off signal to the appliance that attached to this module by receiving BLE signal from mobile APP. With special design, this module won't interfere the other power outlet when plug into the AC outlet.

2. Product outline



**BAC01
AC Plug On/Off**

(Figure 1)

3. Features

- Switch On/Off mains power manually or remote controlled
- Lowest standby power
- Zero cross switching featured to ensure the most reliability
- Remote monitoring power plug from mobile APP
- Communication : BLE 2.4G

4.Specification

- Protocol : BLE 4.1
- Frequency Range : 2402~2480 Mhz
- Operating Temp.: -15~60 degree C
- Operating Voltage : 100 ~ 240 VAC
- Resistive Load : 1800W for 110VAC , 3600W for 220VAC
- AC Hz : 47~63Hz

- **Product Family and Ordering Information**

When ordering, please specify the module configuration via the following part numbers:
BAC01-YY where YY denotes the pre-loaded software code desired as shown in the Table
and examples below.

BAC01-YY (Plug type)
00: Standard (US / Taiwan)
01: CN
02: JP
03: EU
04: Others

Technical Support Contact Information

If you encounter any technical issues while using BAC01, do not hesitate to contact us @3Egreen. Our technical staff will help you resolve the technical issues. You can contact us by email or phone. The following is our technical contact:

Hours: 9:30AM to 5:30PM (GMT+08:00)

Email: service@3egreen.com

Phone: +886.2.27362529

DISCLAIMER

ALTHOUGH TO THE BEST KNOWLEDGE OF THE 3Egreen Technology Inc. (3Egreen) THIS DOCUMENT IS ADEQUATE FOR ITS INTENDED PURPOSES, UBEC MAKES NO WARRANTY OF ANY KIND WITH REGARD TO ITS COMPLETENESS AND ACCURACY. 3Egreen EXPRESSLY DISCLAIMS ANY AND ALL OTHER WARRANTIES, WHETHER EXPRESSED, IMPLIED, OR STATUTORY INCLUDING WITHOUT LIMITATION WARRANTIES OF TITLE, MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE, WHETHER ARISING IN LAW, CUSTOM, CONDUCT OR OTHERWISE .

Release History

Date	Revision	Content
2014/10/1	V1.0	First release