



DOUGLAS Bluetooth Wireless App Solution User Guide

[Home](#) » [Douglas](#) » **DOUGLAS Bluetooth Wireless App Solution User Guide**



Contents

- 1 OVERVIEW
- 2 PRE-INSTALLATION
- 3 INITIALIZING THE PROGRAMMING TOOL
- 4 SYSTEM CONFIGURATION
- 5 ASSOCIATING DEVICES
- 6 Zone Settings
- 7 Documents / Resources
 - 7.1 References
- 8 Related Posts

OVERVIEW

The Bluetooth® App for Commissioning and Room Control is available for iOS devices (iPod, iPhone) by download through the Apple App Store. The App provides users with an easy-to-use field tool for commissioning the Bluetooth Wireless systems and includes an end-user App for controlling lights.

PRE-INSTALLATION

Programming Tool

A site dedicated iOS device is required to commission, configure, and store system parameters.

- iPod Gen 6 or newer with iOS 10.x or higher
- iPhone 6 or newer with iOS 10.x or higher

Before You Start

- A best practice is to use a dedicated iPod or iPhone as the project's system set-up device rather than a personal smartphone, as the system settings stay with the Apple ID.
- When setting up the iOS device Apple ID, iCloud account, and network access, chose names carefully, record accurately, and store in a reliable location.
- Once a Fixture Controller & Sensor has been added to a network (associated), do not remove (disassociate) it before ensuring it is connected to, and communicating with, the system set-up device.

INITIALIZING THE PROGRAMMING TOOL

Process

1. Download App
2. Select Set-up Network
3. Associate First Device, Setup Device, and Room
4. Set Up Other Devices (Occupancy Sensor Last)
5. Select Room Control to Control a Room via App

Universal Lighting Technologies recommends using a project-dedicated device, not one which is used for personal and/or other company data and communications. Details on iCloud accounts, including instructions for setup, can be found at www.apple.com/icloud.

An iOS device with an iCloud account is needed to download the App and to back up the system parameters on iCloud. Each iCloud account can have only one instance of the App, and the App can create and maintain only one database. A database stores the system parameters. The database is identified by the Network Key and accessed using the Admin Password (both values are entered during system set-up).



<https://apps.apple.com/us/app/douglas-lighting-controls-btcc/id1128937004>

After an iOS device is configured with an iCloud account and the App downloaded, the system set-up process can begin. First, system parameters are entered. These include:

- Site Name
- Network Key
- Admin Password

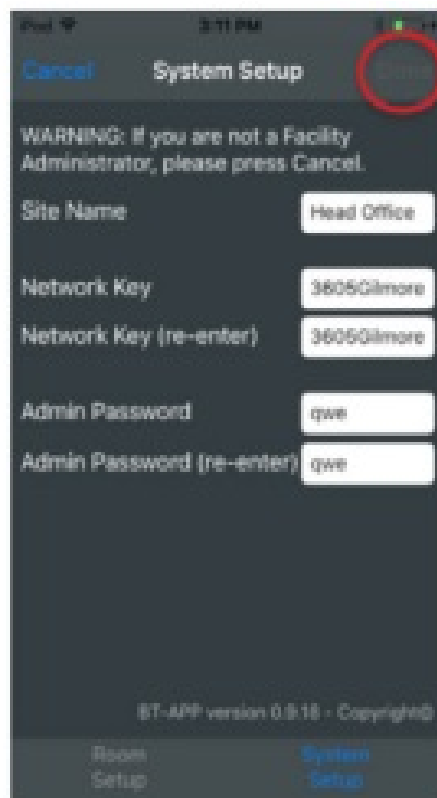
Record this information accurately and store in a reliable location. These parameters are critical to accessing the system. A good method for recording this information is a screen capture of the network setup page. To take a screenshot, press and hold the ON/OFF button, then momentarily press the Home button. The screen capture will be saved as an image accessible via the Photos icon. The screen capture can then be emailed to a few people for recovery purposes. Again, it is very important to keep track of this data and of the iOS device itself.

Before You Begin: Layout your room and spaces

A Bluetooth wireless network can have multiple rooms and each room can have up to eight lighting zones. Rooms and Zones are defined in the system set-up. Review your floor plans to find, and if needed, develop a room and zone plan.

SYSTEM CONFIGURATION

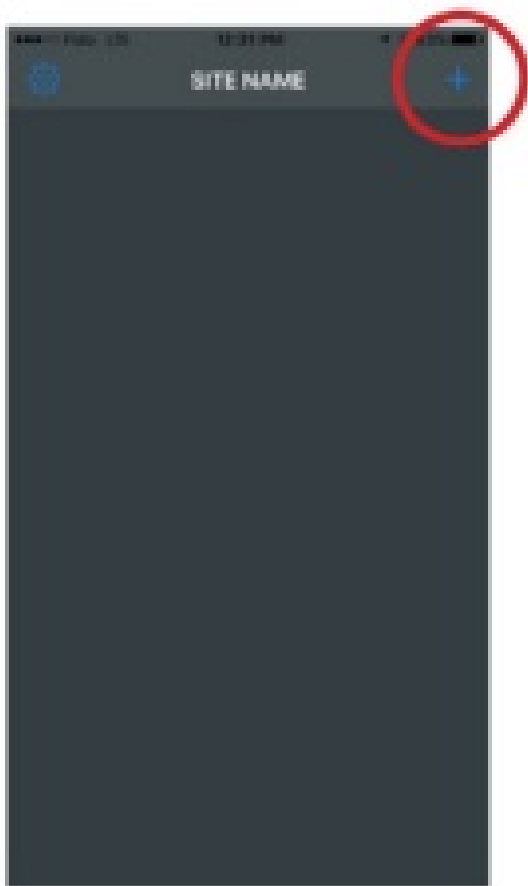
1. Ensure your Smartphone's Bluetooth is **ON**
2. Open App
3. Select **System Setup** (bottom right)
4. Enter information – save this information – you will need it later. It cannot be retrieved if lost or forgotten.
Tip: screen captures your System Setup > press and hold **Power**, then press **Home** button
5. Press **Done** (upper right)



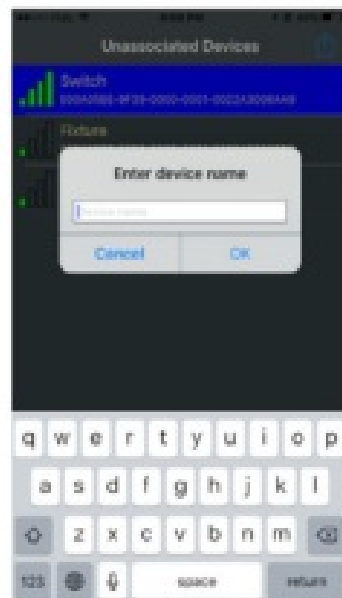
ASSOCIATING DEVICES

1. Press "+" to find unassociated devices
Tip: set up the Occupancy/Daylight sensors last
2. Select device to be associated to network
3. Devices will identify themselves when selected:
 - Switches: Bottom LEDs will flash Orange

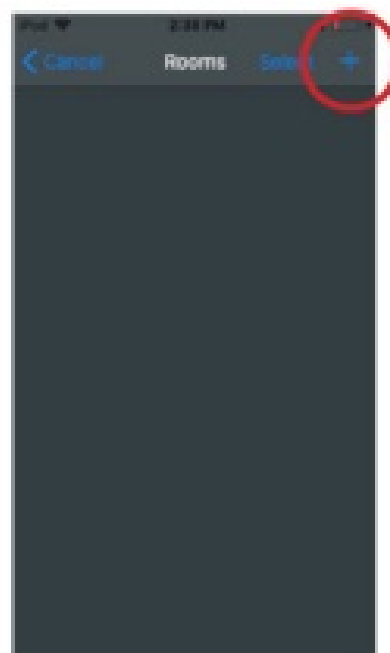
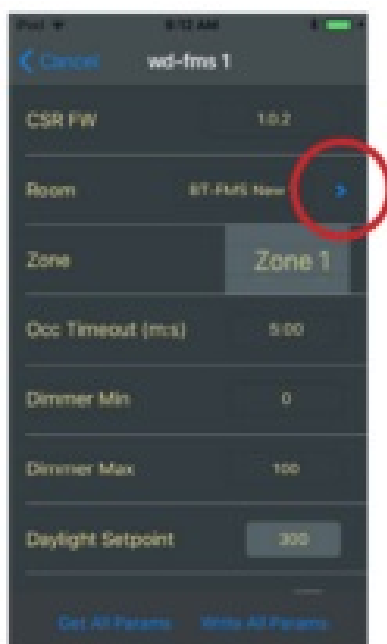
- Sensor: LED will flash Orange
 - Controller: fixture(s) will flash and LED will flash Orange
4. Press upload icon to add the device to a room



1. Enter Device Name
TIP: use device type and location
Note: Device Names are tested to avoid duplication
2. Press **OK**
3. Device is now Associated and shown in list -> since the device has yet to be set up, Room is listed as **Global**
4. Press cog wheel to continue with device setup



1. Opens device configuration screen.
2. Press ">" to set up room
3. Press "+" to add Room
4. If rooms have already been created, they will be listed. If so, highlight the target room for this device and press Select



Setup Room Parameters

1. Enter Room Name
2. Set Timeouts
 - a. Occupancy (15s, 5m, 10m, 20m, 30m, 45m)
 - b. Quiet Mode (30s, 30m, 60m, 90m, 120m, 150m, 180m)
3. Occupancy Mode
 - Occupancy (Auto ON/Auto OFF)

- Vacancy (Manual ON/Auto OFF)
- Partial ON (Auto ON to 50% / Auto OFF)
- Partial OFF (Auto ON to 100% / Auto to 50%)
- None (to use as daylight sensor only)

Note: BT-PP20-A does not support Partial OFF

Zone Settings

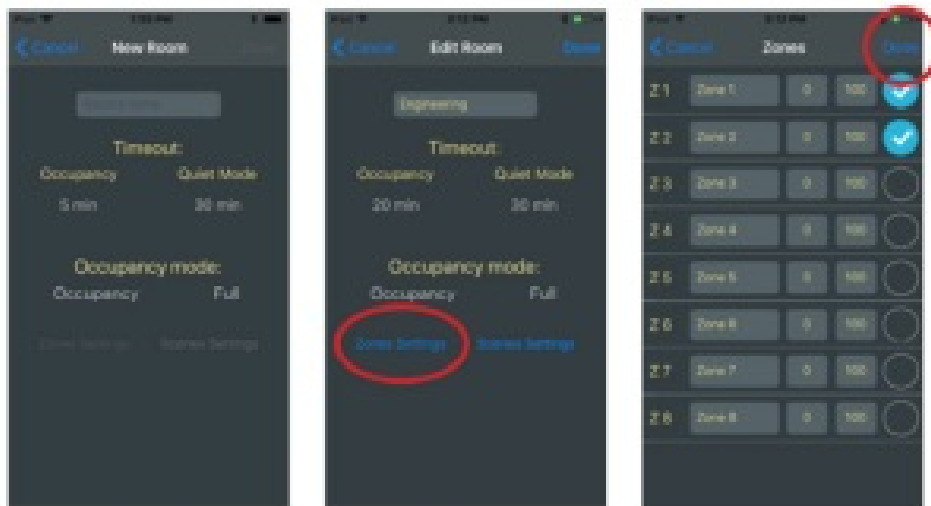
1. Edit the Zones by selecting “ZONES SETTINGS” in the Edit Room page
2. Press the circle in the rightmost column to enable selected zones

- As shown below, up to eight (8) zones (Z1 through Z 8) can be defined in a room

Note: multiple controllers (BT-PP20), and therefore multiple fixtures, can be assigned to the same ZONE

- Zones can be named by selecting the name field
- Dimming Min. & Max. levels (Low & High trims) can be adjusted

3. Press Done to return to the edit room page



Video Tutorials are available 24/7 here:



<https://www.youtube.com/playlist?list=PL2nWU6qXHseciMJz0JYKEC5NbU-ffK2f>

Lighting Controls BTCC Commissioning App Tutorial Videos

For more information and technical support, visit us at www.DouglasLightingControls.com



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Documents / Resources

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References

-  [iCloud+ - Apple](#)
-  [An LED Lighting Company | Universal Lighting Technologies](#)