

MEGAMAN®



Instruction Manual

www.ingenium.cc



General

Smart living is just two steps away.

1. Install *INGENIUM®* BLU LED lamps / luminaires
2. Download the *INGENIUM®* BLU app
3. Control your lighting using your smart device

Features include:

Power

Turn the lights on and off

Dimming

Adjust brightness level with linear dimming functions

Timer

Pre-set the time to light up the lamp / luminaire from lowest to full brightness

Grouping

Control lighting devices room-by-room

Scenes

Set programmes for your favourite settings for repeated use

INGENIUM® BLU with the latest Bluetooth® 4.0 technology is a step forward for high quality living. Simple, stylish and intelligent, its advantages include easy installation, availability of direct LED retrofit, wireless compatibility, dimmable without dimmer, precision scene setting and greater energy saving using the app.

Bluetooth® version	4.0
Expected coverage	10 metres
Maximum number of lamps / luminaires / modules to be connected at the same time	4 pieces in each covered area (Maximum 8 pieces for iOS 8)
Maximum number of groups	8 groups per app
Maximum number of lamps / luminaires per group	4 pieces in each group (Maximum 8 pieces for iOS 8)
Maximum number of scene set per group	4 scenes in each group
Smart device with app (iOS or Android)	Star
Network topology	Star
Applications	Household use, showroom, lounge, function room, reception area, etc.

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To control your *INGENIUM®* BLU LED lamps / luminaires, you have to first pair them to your smart device. Please refer to the "Automatic Pairing" chapter for details.

Installation

Lamps / Luminaires

INGENIUM® BLU LED lamp / luminaire has an integrated Bluetooth® module so you can simply remove the existing lamp or luminaire and install the *INGENIUM®* BLU LED lamp / luminaire, no additional device or wiring is needed.

Note:

- *INGENIUM®* BLU LED lamps / luminaires operate in 220V to 240V. The operating temperature of these products is -30°C to +40°C.
- Make sure *INGENIUM®* BLU LED lamps / luminaires are not installed in dimming circuitry to avoid malfunction.

App

Download the *INGENIUM®* BLU app to your smart device from iOS App Store or Android Google Play Market.



For iOS users
Available on the App Store



<https://itunes.apple.com/hk/app/INGENIUMBLU/id900416627?mt=8>

For Android users
ANDROID APP ON Google play



<https://play.google.com/store/apps/details?id=cc.megaman.led>

Supported Devices

iOS Devices

(Recommended iOS version 6.0 or above)
iPhone 4S or later
iPad (3rd generation or later)
iPod Touch (5th generation)
iPad Mini (all generations)

Android Devices

(Recommended Android version 4.3 or above)
Samsung Galaxy S4
Nexus 7 (2013)

Note:

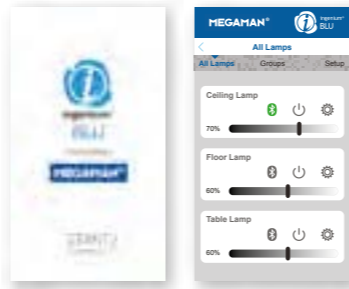
These are verified models which can perfectly work with the App but not limited to them.

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Operation

Let's Start

Welcome to the *INGENIUM®* BLU smart lighting control application. In the following chapter, we will go through all of the app's functions.



Automatic Pairing

In order to control your *INGENIUM®* BLU LED lamps / luminaires, you first have to pair them to your smart device. Please follow the following steps for the automatic pairing.

- Restart the lamp / luminaire (switch off and then switch on)
- Open the *INGENIUM®* BLU app within 30 seconds
- Press "START" button on the welcome page of the *INGENIUM®* BLU app, you may notice that the Bluetooth® symbol on of your device will fast flash, which means the app is trying to connect with the *INGENIUM®* BLU LED lamp / luminaire within covered area.
- Tap on the Bluetooth® icon next to the lamp / luminaire in "All Lamps" list

Note:

- Each lamp / luminaire has a unique code (i.e.: Bulb 06d4). It is a default name of a lamp / luminaire and can be changed in the setting option.
- Pairing is needed to be done one time only for each lamp / luminaire.

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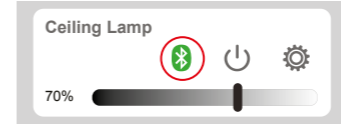
Control a Lamp / Luminaire

Connecting to your lamps / luminaires

After pairing, simply press the Bluetooth® icon in dark grey to get connection, the icon flashes with green during the connection, and become steady green when the lamp / luminaire and smart device are connected.

The colour of the Bluetooth® icon shows the connection status. There are 3 statuses:

- Dark Grey**
A paired lamp / luminaire exists in cover area and the lamp / luminaire is ready for connection. Press the Bluetooth® icon to connect the lamp / luminaire and smart device.
- Green**
The lamp / luminaire is connected and it is ready to be controlled. Press the Bluetooth® icon to disconnect.
- Light Grey**
The lamp / luminaire does not exist in the cover area or not power on.



Switch On/Off

Press power icon to turn on or off the *INGENIUM®* BLU lamp / luminaire.

- Dark Grey**
The lamp / luminaire is power off. Press the button to turn the lamp / luminaire on.
- Green**
The lamp / luminaire is power on. Press the button to turn the lamp / luminaire off.



Dimming Control

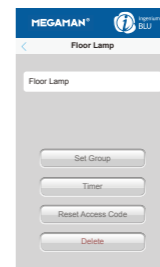
Slide the dimming bar to adjust the dimming level of the lamp / luminaire. The number beside the dimming bar is to indicate the dimming percentage from 10% to 100%.



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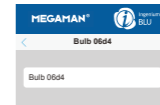
Setting Options

Tap the settings icon to edit the settings of an individual lamp / luminaire.



From here you can:

Rename a Lamp / Luminaire



Set Group

• Add current lamp / luminaire into an existing group. More details will be covered in "Create a group" chapter.

Timer

• Set a timer to switch on a lamp / luminaire. More details will be covered in "Timer" chapter.

Reset Access Code

• The access code is used for pairing a lamp / luminaire with smart device. Resetting the code will un-pair the lamp / luminaire from all linked smart devices.

Delete

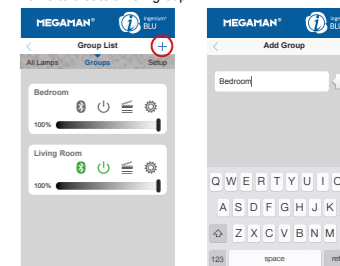
• Tapping this button will un-pair the lamp / luminaire from your smart device, but not affect the pairing to other smart devices. The lamp / luminaire will be removed from the "All Lamps" list and "Groups" list.

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Create a Group

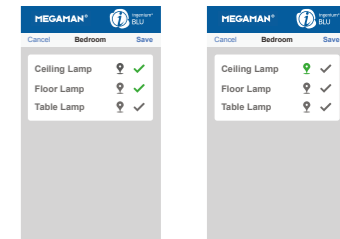
Tap "Groups" to go to the "Group List", and tap the "+" button to create a group.

This will open the "Add Group" page. Simply enter a name to create a new group.



Select the lamps / luminaires to be added into this group by tapping next to the lamps / luminaire.


The navigator button can be used to identify the location of lamps / luminaires. When you press the navigator button, the lamp / luminaire will fast flash for 2 seconds and reach 100% brightness.

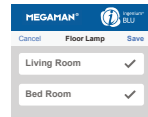
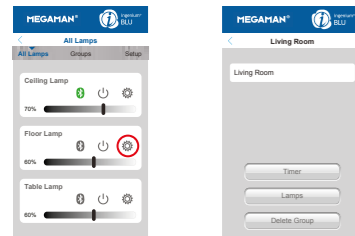



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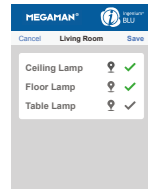
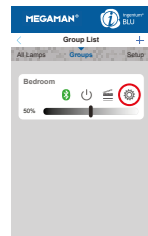
Add Lamps / Luminaires into Existing Group

There are two ways to add a lamp / luminaire into an existing group.

1. In "All Lamps" list, tap the setting icon  next to the lamp / luminaire which you want to add. Then, tap "Set Group" button and select the group.





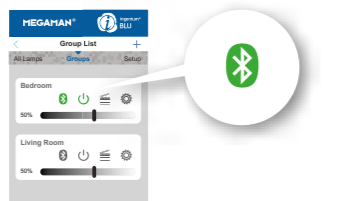
2. In "Group List", tap the setting icon  next to the group and select lamps / luminaires you want to add.




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Connect to a Group


Simply tap the Bluetooth® icon  in dark grey to connect to a group. The icon will flash green during the connection. It will become steady green  when the connection is completed.

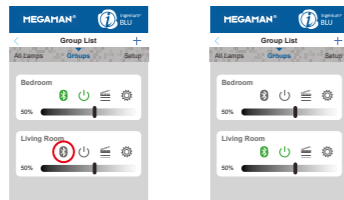


A "I" mark will appear in front of the Bluetooth® icon  when there is one or more lamps / luminaires that cannot be connected within the group. Possible reasons for a failed connection include: lamp / luminaire positioned, outside the coverage area, the lamp / luminaire is not powered, interference in a crowded environment, etc.

Switching Control of Groups


To optimise the system operation, ONLY ONE group can be connected and controlled at the same time. You can, however, easily switch the connection from the existing group to another group for control.

To switch the connection, simply tap the Bluetooth® icon  of the group that you would like to switch to. The system will automatically disconnect the existing group and connect to the group intended to switch to. The Bluetooth® icon will flash with green and change to steady when the new connection is completed.



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Switch Grouped Lamps / Luminaires On/Off

Press power icon  to turn on or off all the *INGENIUM*® BLU lamps / luminaires within a group.

Dark Grey
The group of lamps / luminaires is off. Press the button to turn the lamps / luminaires on.

Green
The group of lamps / luminaires is on. Press the button to turn the lamps / luminaires off.




Dimming control

Slide the dimming bar to adjust the dimming level of the group of lamps / luminaires. The number beside the dimming bar is to indicate the dimming percentage from 10% to 100%.

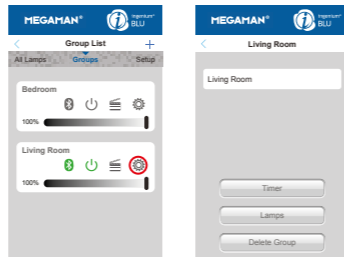


Setting Option

You can edit the settings of your groups by tapping the settings icon .

Within the Group Settings menu you can:



- Change the name of the group
- Timer
Set a timer to switch on a group of lamps / luminaires. More details will be covered in "Timer setup" chapter.
- Lamps / luminaires
Select lamps / luminaires to be included in this group
- Delete
Remove this group, but the paired lamps / luminaires will be still existed in "All Lamp" list.

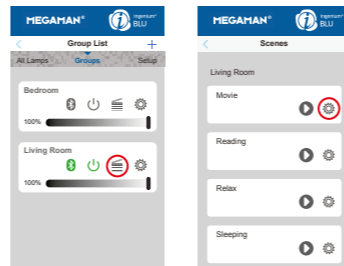


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Scene Setup

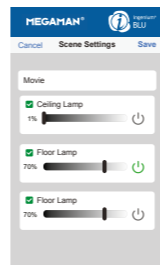
You can store up to 4 scenes for each group.

To set a scene, press the scene icon , followed by the setting icon  in the "Scenes" page.





In the "Scenes Setting" page, set your scenes by:

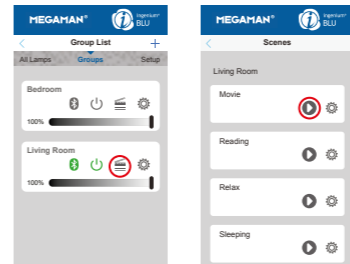
- Naming the scenes
- Selecting the lamp / luminaire to be controlled by tapping  next to the lamp / luminaire
- Adjusting the dimming level of the lamps / luminaires
- Setting lamps / luminaires to be turn ON or OFF



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Scene Operation

To play a scene, simply press the scene icon  under the "Group List", and then press the play icon  in the "Scenes" page.



Timer Setup

Set a timer to switch on an individual lamp / luminaire or a group of lamps / luminaires at a scheduled time, by following these few simple steps.



To set the timer of an individual lamp / luminaire, tap the setting icon  on the "All Lamps" page. You can also tap the setting icon  on the "Group List" page to set the timer for a group of lamps / luminaires.

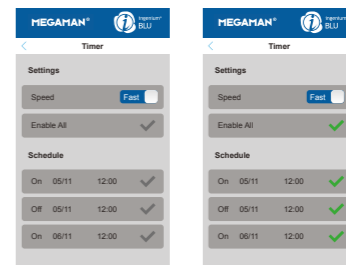
This is a wake up timer, so the selected lamps / luminaires will light up from 10% brightness (minimum) to full brightness 100% gradually, with two different speed options:



- Fast**
The lamps / luminaires light up in 5 minutes
- Slow**
The lamps / luminaires light up in 10 minutes

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Once you are on the "Timer" page, you can:

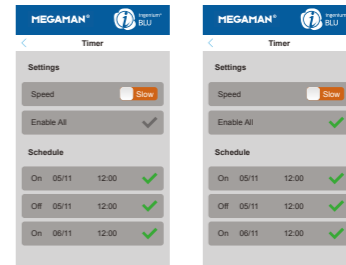
- Choose the "Speed" of the timer
- Enable all the scheduled timer by clicking , and it will become green 



- Turn off the timer by clicking  of "Enable All" or individual schedule, the  will become grey and all or individual scheduled timers will be off

Note:

- The timer can be scheduled for one week, and you can set a different time for each day.
- The time set on the "Schedule" is the time the lamps / luminaires will reach full brightness. Depending on the mode selected, the time set cannot be set less than 5 or 10 minutes in the future.
- Each lamp / luminaire can only record one schedule, the previous setting will be over-written by the later setting.
- The setting is stored in the memory of lamp / luminaire, therefore the lamp / luminaire will light up as scheduled even if no smart device is connected at that time.
- Please note that the lamp / luminaire will not light up as scheduled if the lamp / luminaire are switched off at the wall switch.

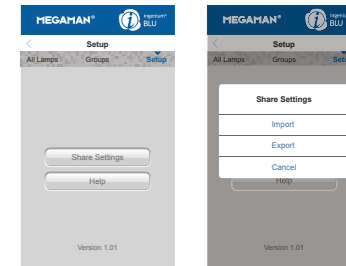


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Share Settings

You can share all your current settings from one smart device to another following these simple steps.

1. Go to the "Setup" page, press "Share Settings"
2. Select "Export" from the export device.
3. Within 5 seconds, select "Import" from the import device.
4. Both devices will automatically build up a connection and transfer data
5. After the data transfer, the import device should be closed and re-opened to finalise the setting sharing.



Note:

1. Make sure the Bluetooth® function is activated in both devices.
2. Both devices need to be on the same platform. (iOS to iOS, Android to Android)
3. Make sure both devices have sufficient battery power to avoid data corruption.

Help page
The help button will direct you to the FAQ page
www.ingenium.cc/support



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