

Pulse Flex

User Manual

Features

- Conventional fixing and installation. Simple to setup in every room/zone with ease.
- High quality JBL® stereo speaker, can be used in Indoor or Outdoor (IP43 approved).
- Multi-user, Multi-source, Multi-zone.
- Integrated the latest and great music streaming services and internet radio (keep updating). Create your favorite playlist from them quickly and easily.
- Individual as well as group control of LED lights and music playing remotely.
- Customize sound and light settings. Supports DLNA & Airplay, iOS and Android App to explore detailed features.

Box Contents

- One Pulse Flex Bulb
- User Manual
- Quick Start Guide
- Limited Written Express Warranty

Product Specifications

- Power Supply: 100~120V, 60Hz
- Light Socket: E26
- Power Consumption: 10W (Rated), 13W (LED + Speaker)
- Operating Temperature: 0°C ~ +35°C
- Store Temperature: -40° C ~ +70° C
- Operating Humidity: $10\% \leq RH \leq 95\%$, Non condensation
- Atmospheric Pressure: 86kPa ~ 106kPa
- Color: Silver, Champagne etc.
- Dimensions: 6.26”(H) x 3.74” (Dia.)/ 159.0mm (H) x 95.0mm (Dia.)
- Weight: 370g (approx.)

LED Lights

- Power: 4.7 Watts (LED Module)
- Luminance: 470 lumens
- Color Temperature: 2700K – Warm White
- CRI: 80
- Light Beam Angle: 100 degrees

Audio System

- Power: 13 Watts (Max.) @ 8ohm

- 1.75" Full Range High Fidelity JBL® Loudspeaker
- Frequency Response: 100Hz – 20kHz (acoustical)
- Wireless Connection: Wi-Fi Dual-band, 2.4GHz & 5GHz
- System Wireless Point-to-Point Latency < 1ms
- Transmission Power: 15dBm[§] (max.)

[§]Actual transmission power will vary with network conditions and environmental factors, including radio interference, building materials and construction. In order to achieve the optimal wireless transmission quality, variable maximum range of 10~35 meters is recommended for different environments.

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INSTALLATION INSTRUCTIONS

WARNING - TO REDUCE THE RISK OF FIRE AND ELECTRIC SHOCK, USE IN DRY LOCATIONS ONLY AND DO NOT EXPOSE TO RAIN OR LIQUIDS.

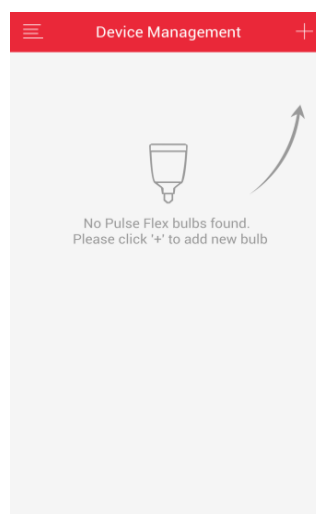
WARNING - TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE BACK COVER OR TAKE APART. THERE ARE NO SERVICEABLE PARTS INSIDE.

1. Go to *WLAN/Wi-Fi* on the portable smart device (e.g., smartphone or tablet) and connect it with your Wi-Fi router (supports 2.4GHz or 5GHz) that can access the Internet properly.
2. Download and install '*Sengled Pulse Flex*' App for corresponding operating system. You may find App on Google Play Store for Android Devices and Apple App Store for iOS devices.
For further information, please go to www.sengled.com.
3. Turn the light switch to OFF position prior to installing the Pulse Flex bulb in a proper socket (E26/E27/B22). Twist the bulb into the socket and turn the power

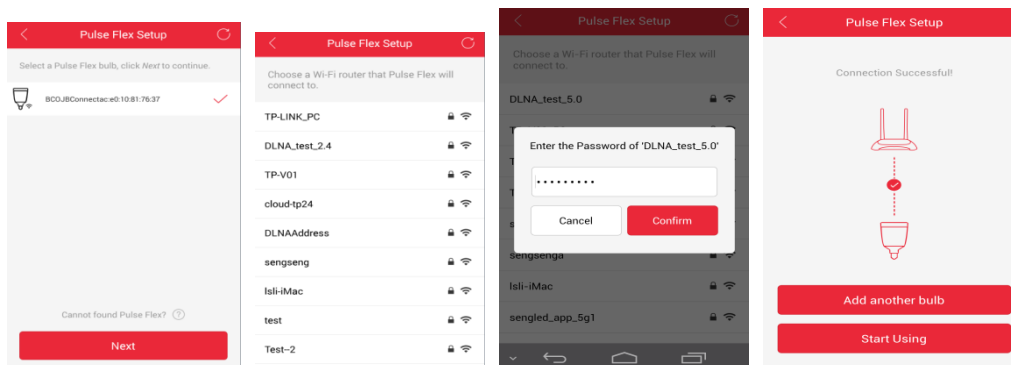
on. Follow the voice prompt from the bulb, and wait for at least one minute to restart Pulse Flex to the Wireless Mode (configurable,).

CAUTION: Never use with external or outside dimmers.

4. Launch the Pulse Flex application. Please enter your Email account and password to log in. If you don't have an account before, please Sign Up to set up your new account.
5. Pulse App will automatically search nearby Pulse Flex bulbs which have been connected to your Wi-Fi router. If there are no Pulse Flex bulbs added to the network, press "**Device Management**" to add unconnected Pulse Flex bulbs to the Wi-Fi router.



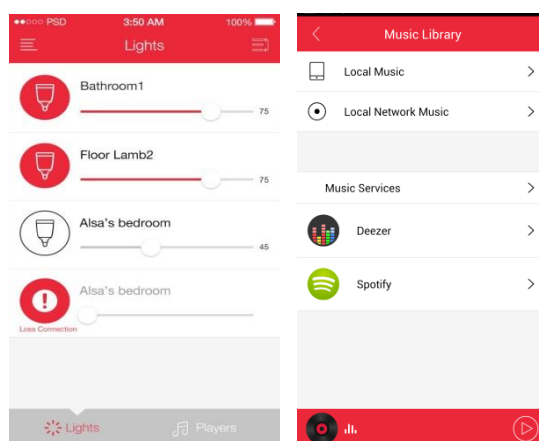
6. Press '+' button on the top right, the App will search out nearby configurable Pulse Flex bulbs. Please note, this may take approximately 30 seconds, do not exit the App during this process.
Notice: If there are still no Pulse Flex bulbs found, please check the Wi-Fi network connection, light bulb switch, and distance between the Wi-Fi router and Pulse Flex bulbs etc.
7. When the searching is complete, the App will list out all nearby configurable Pulse Flex bulbs. You can select one Pulse Flex bulb at a time (only configure one bulb per time), press "**Next**" and select your Wi-Fi router. Enter the password of Wi-Fi router and wait for the connection complete. This process may take several minutes, please do not exit the App during this time.




8. Once all Pulse Flex bulbs have been connected to the Wi-Fi router, a main screen **Lights** (on left tab) and **Players** (on right tab) will appear.


Lights: for LED lights ON/OFF and dimming control individually or by group.

Players: Play your favorite music through 'Local Music', 'Local Network Music' or "Music Services". Choose your favorite songs from different music sources to play or create your own playlists. .




9. Press  and move Pulse Flex up or down to create groups for dimming and music control.

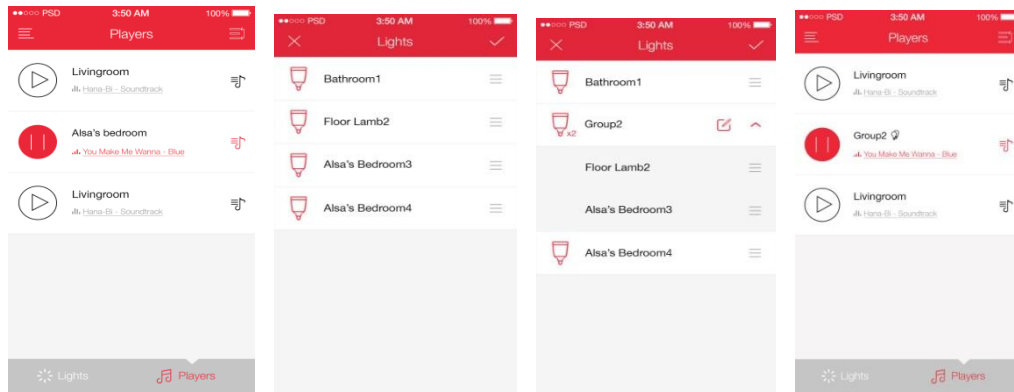
Create a Pulse Flex Group:

Press the  button and pull it to a bulb that you want to create as a group together.

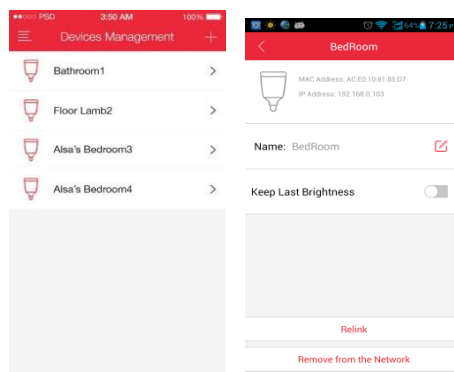
Remove a Pulse Flex Bulb from a Current Group:

Press the  button of the bulb that is in a group, then pull it out of the current group to be an individual one.

After that, return to the home page and pull down the interface to refresh the group status.



10. If you want to change the settings of individual Pulse Flex bulb or a group, press **'Device Management'** under the Menu, then select the bulb or the group you want to change.



'Name': Name of a Pulse Flex bulb or a Pulse Flex Group. This name is visible on the App. User can press the 'Edit' button to change it to a more meaningful name, such as "Bedroom", etc.

'Keep Last Brightness': Record the last brightness value when the light bulb physically turns off. Otherwise, the brightness will reset to the default value, which is 100%.

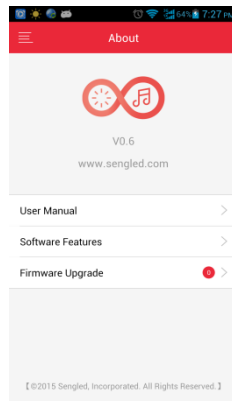
'Relink': If the bulb cannot be controlled via the App, press "Relink" to get it connected back to the main network.

"Remove from the Network": Removes the bulb from the network and restores to the factory setting. This process may take several minutes, please wait and do not turn the bulb off during this process.

11. If you want to add more Pulse Flex bulbs to the existing network, go to the **'Device Management'** tab under the Menu and start setup wizard again.

12. More information about the how to this this product, software features and

firmware updates can be found out from in the “**About**” tab.



RESETTING A PULSE FLEX BULB:

If the bulb cannot be detected by the App on portable smart devices in any ways, user can press the physical RESET button to reset the configuration of the bulb, as shown below



CAUTION: Following procedure resets all settings and deletes all the data on the bulb, please don't turn Pulse Flex off during the resetting.

Select one of two methods to reset the Pulse Flex bulb:

- I. **Software Reset:** Power on the Pulse Flex bulb and connect it with the smart device (phone, tablet, laptop, etc.) through Wi-Fi router. Navigate to **Device Management** tab and select the Pulse Flex bulb or group that is to be reset. Press **Remove from the Network** at the bottom of the page. The bulb will take several minutes to reset all settings and reboot.
- II. **Manual Reset:** Power on the Pulse Flex bulb, wait for 30 seconds and long press the RESET button for around 5~6 seconds till it blinks, then release the button and wait for 2~3 minutes until the process complete.

NOTE: Wait for approximately 2~3 minute (This ensures the bulb is on Wireless Mode).

IMPORTANT SAFETY INSTRUCTIONS



- Read and keep these safety instructions.
- Heed all warnings contained within these instructions.
- Please follow all user manual instructions when installing the product.
- Only clean Sengled product only with a dry towel.
- This Product is intended for indoor use only.
- Do NOT use this product outdoors.
- Do NOT get this product wet and do NOT use near any water source.
- The product should not be exposed to dripping or splashing liquids of any kind.
- Do not install the product near any heat sources, such as heater, radiators, stove, heat registers or other apparatus that produce heat.
- Ensure that the product is stable and secured in place during installation. If the product is dropped or falls out of the light socket, it may cause bodily harm.
- If the product is dropped or falls out of the light socket, it may be damaged. Please check the product for any visible damage.
- To reduce the risk of electric shock, do NOT remove the back cover or take apart. There are no serviceable parts inside.
- To prevent product failure, the bulb should only be installed in operating environments ranging between +32 degrees Fahrenheit and +95 degrees Fahrenheit (0 degrees Celsius and +35 degrees Celsius).
- Do not block any ventilation openings on the product, as shown below.
- Never push any objects into the openings or slots on the product. Doing so may create an electric shock or fire hazard.
- Maintain sufficient distance around your product for sufficient ventilation; do not put anything within at least 6 inches of light bulb socket.
- For best protection against lightning, unscrew the product from its power source during a storm.
- Only use accessories specifically recommended by the manufacturer.
- Refer all servicing to qualified Sengled service technician.
- Servicing is required when the product:
 - 1) Has been damaged in any way;
 - 2) Liquid has been spilled on the product;
 - 3) Objects have fallen into the product;
 - 4) The product has been exposed to rain or moisture,
 - 5) The product does not operate normally, or has been dropped.
- Repairs must be performed by a qualified Sengled technician.
- For bulbs with a weight significantly higher than the bulbs for which they are a replacement, the increased weight may reduce the mechanical stability of certain luminaires and bulb holders and this may impair contact and bulb retention. Check all sockets and bulb holders frequently and make sure they are secure and stable.
- The bulb can be hot and should not be touched without taking care.

CAUTION

- RISK OF ELECTRIC SHOCK - DO NOT OPEN.
- SUITABLE FOR WET LOCATIONS.
- NOT FOR EMERGENCY LIGHTING.
- ENSURE FIXTURE CAN SUPPORT ADDED WEIGHT OF BULB.
- DO NOT USE WITH DIMMERS. APP SOFTWARE DIMMING CONTROL.

Statement

Federal Communications Commission (FCC) Interference Statement

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 generate, 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 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.

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.

RF exposure warning

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment must be installed and operated in accordance with provided

instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.

IC Radiation Exposure Statement for Canada

This device complies with Industry Canada licence-exempt RSS standard(s). 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.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

User manuals for transmitters equipped with detachable antennas shall also contain the following notice in a conspicuous location:

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie I) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

IMPORTANT NOTE:

Radiation Exposure Statement:

This equipment complies with "Industry Canada RSS-102 for radiation exposure limits set forth for an uncontrolled environment".

This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.

The user manual for local area network devices shall contain instructions related to the restrictions mentioned in the above sections, namely that:

- (i) the device for operation in the band 5150–5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the e.i.r.p. limit;
- (iii) for devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the e.i.r.p. limits specified for point-to-point and non-point-to-point operation as appropriate; and
- (iv) the worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth shall be clearly indicated.

Users should also be advised that high-power radars are allocated as primary users (i.e. priority users) of the bands 5250-5350 MHz and 5650-5850 MHz and that these radars could cause interference and/or damage to LE-LAN devices.

Le guide d'utilisation des dispositifs pour réseaux locaux doit inclure des instructions précises sur les restrictions susmentionnées, notamment :

- (I) l'appareil pour fonctionner dans la bande 5150-5250 MHz est réservé à une utilisation intérieure pour réduire le potentiel d'interférences nuisibles à la co-canal avec les systèmes mobiles par satellite;
- (li) pour les appareils avec antenne (s) détachable, le gain d'antenne maximal autorisé pour les appareils à les bandes 5250-5350 MHz et 5470-5725 MHz doivent être tels que les équipements encore conforme à la e.i.r.p. limiter;
- (lii) pour les appareils avec antenne (s) détachable, le gain d'antenne maximal autorisé pour les appareils à la bande 5725-5850 MHz doit être telle que l'équipement satisfait encore la pire limites spécifiées pour le point-à-point et non point-à-point de l'opération, le cas échéant; et
- (Iv) l'angle d'inclinaison du pire (s) nécessaire pour rester conforme à la pire masque

d'élévation condition énoncée doit être clairement indiqué.

Devraient également être informés les utilisateurs que les radars à haute puissance sont désignés comme utilisateurs principaux (c. priorité utilisateurs) des bandes 5250-5350 MHz et 5650-5850 MHz et que ces radars pourraient provoquer interférences et / ou endommager les appareils LE-LAN.