# User Guide

Bloomengine

B100KHB / B100KHC
(Vision) (Color)

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## Before Use

### ■ Get the App

1. Download the Bloomengine App.
   If you have it already, please update the App.

Download on the App Store | Get it on Google Play

2. Launch the app to pair with Bloomengine.
3. Please permit all access settings to ensure you can use every function of the App.

### ■ Pairing

1. You need to activate the Wi-Fi function of your smartphone for interworking.

※ When the pairing is complete, you can control lighting and pump settings.

## Specification

### ■ Main Unit

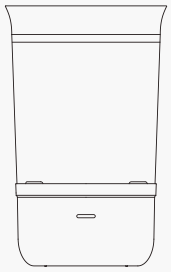
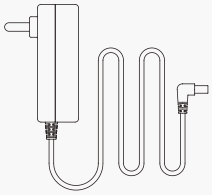
| | |
|---|---|
| Product Name | Bloomengine Vision / Bloomengine Color |
| Model Name | B100KHB / B100KHC |
| Operation Modes | Manual, Auto Modes |
| Power Consumption | 1w~14w |
| Water Tank Capacity | Max. 40oz / 1.2L |
| Dimensions | W 8.3 × D 8.3 × H 13.4 (inch) |
| Weight | 29lb / 1.3kg (tank empty) |
| Usage Environment | For indoor use only, For use in the US |
| Alert Function | Water level alert |

### ■ AC Adaptor

| | |
|---|---|
| Rated Input Voltage | AC100~240V |
| Rated Frequency | 50/60Hz |
| Rated Output Voltage | DC12V |
| Rated Secondary Current | 2A |
| Cord Length | Approx. 47inch |

※ Please use only the included adapter.

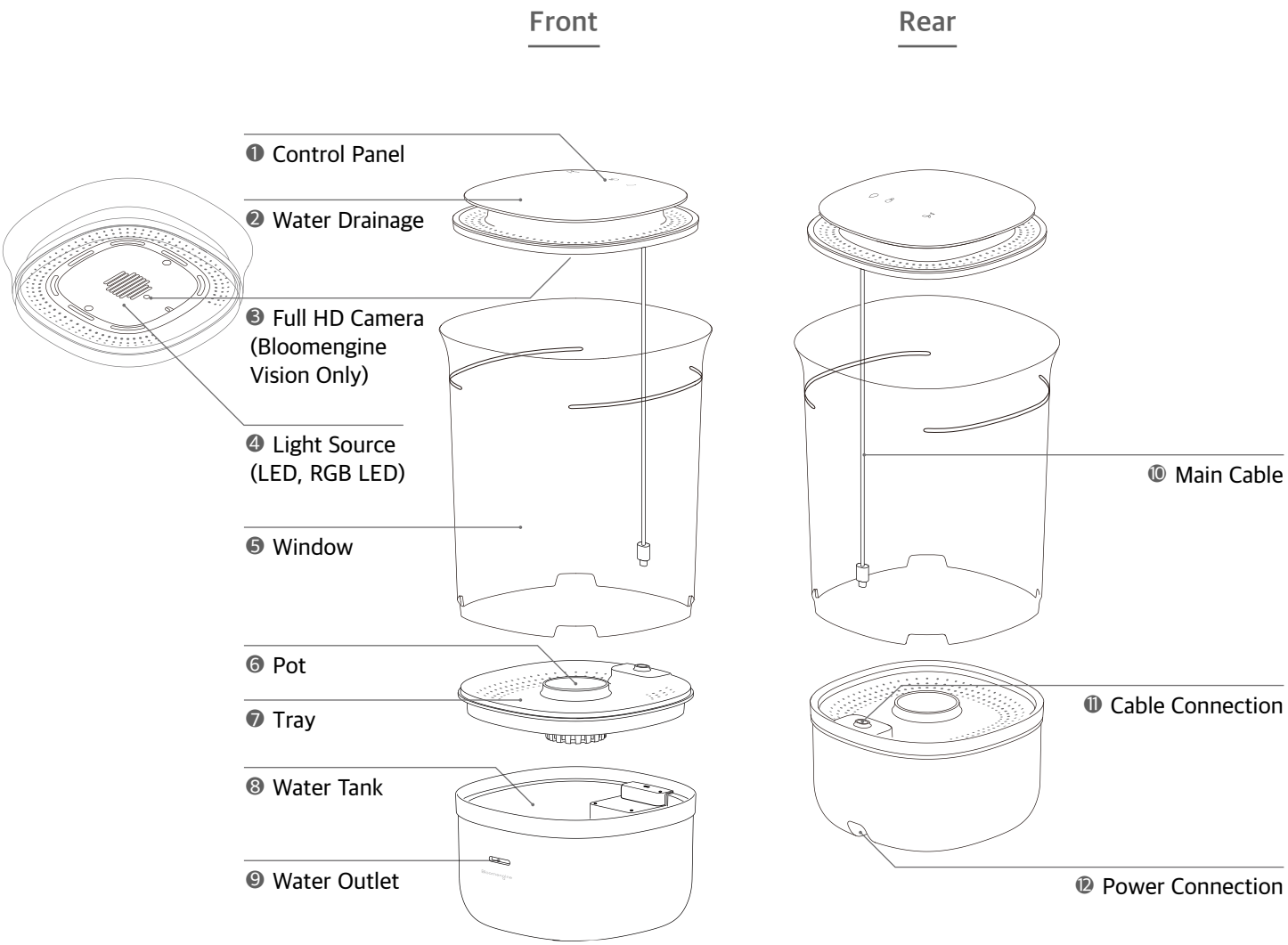
## Package Content

| Main Unit | AC Adaptor | Quick Manual | Seed Package (Vision) (Color) |
|---|---|---|---|
|  |  | | Seed Package Contents Compressed Soil, Seeds, Liquid Fertilizer |

Caution ：
The safety instructions are part of the product. Before using the product, be sure to read the instructions and safety instructions carefully. Please keep this manual in a convenient place for future reference.

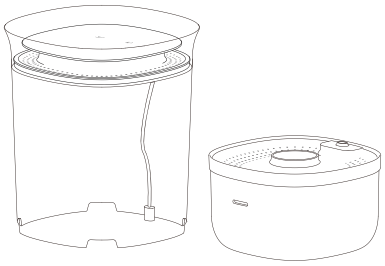
※ Seed package can be purchased separately in the future. Please check at www.bloomengine.net
(The types and designs of the package components are subject to change without notice.)

## Names of Parts

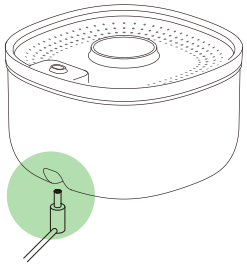


## Preparation

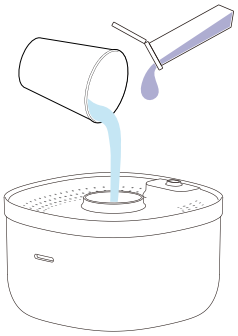
1. Separate the body and window part for preparation.



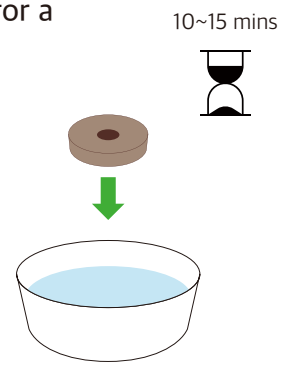
2. Connect the adapter plug to the main unit.



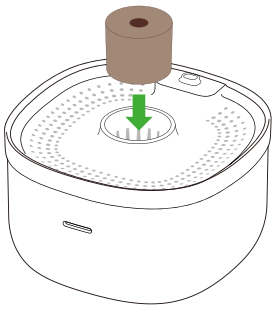
3. Pour 1 liter of water and liquid fertilizer slowly into the pot.



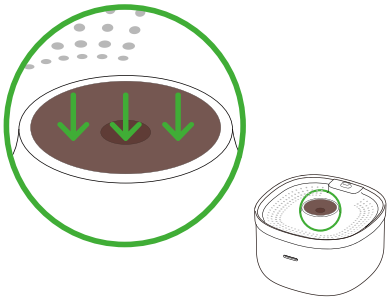
4. Put the compressed soil in a plate with water and wait for a while(10-15min).



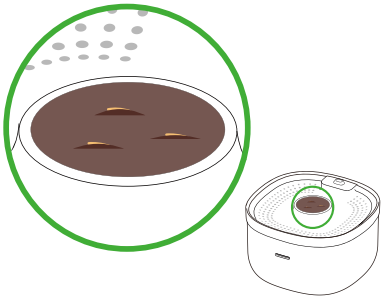

5. Insert the soil which will absorb the water and expand in the Bloomengine.



6. Flatten the top of the soil with your finger.



7. Place 2~3 seeds from the capsules on the soil and cover them slightly.

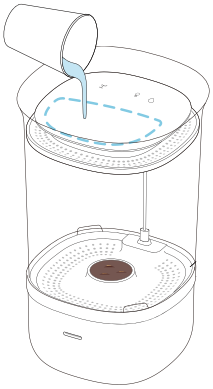


8. Put the window on the main body and connect the main cable to the socket.

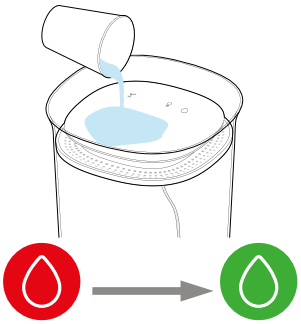
※ Depending on the type of seeds germination rate and indoor environment, the seeds might not bud.
(We recommend using at room temperature 30 degrees or less.)

## Watering

1. Depending on the type of seeds germination rate and indoor environment, the seeds might not bud. (We recommend using at room temperature 30 degrees or less.)

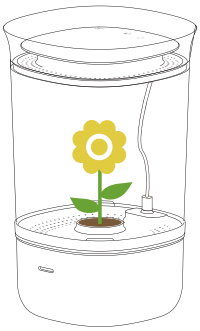


2. When the red light appears for water shortage alert is on, pour water of about 25oz on the top until the light changes to green.

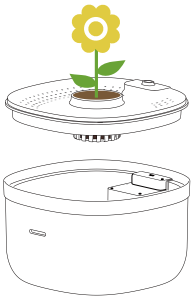


## Repotting

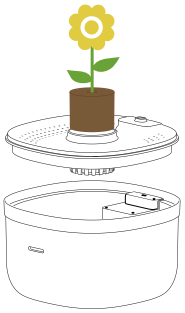
1. When it's bloom successfully, and if your flower is over a certain size, you have work on repotting.



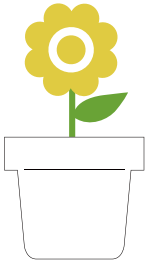
2. Open the window and remove the tray and arrange the roots of the flowers.
※ CAUTION: Always unplug the main cable before opening the window.



3. Carefully hold the stem of the plant and remove it with the compressed soil.

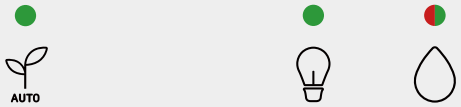


4. Please plant the flower to a bigger pot.
※ Generally, it takes 3~6 months to plant new seeds. It may vary due to plant type and indoor conditions.



※ After repotting flowers, you can go back to 'Preparation' and grow new plants.

## Operating Modes



Auto Mode Indicator
(Indicator Only)

**"It lights when connected to Bloomengine smartphone app."**
You can set the lighting of Bloomengine automatically. In this case, the lighting will automatically turn on depends on the day/night, and the detailed settings of lighting on/off and pump operation can be set in the smartphone application. ※ Detailed menu and functions of Application can be checked on the smartphone after installation.

Manual Mode Button

**"It is able to control Bloomengine manually without connecting to smartphone app."**
When you turn on the power by touching the button, the LED lights up and automatically turns off after 10 hours.The pump operates automatically while the LED light is on. ※ Turning on the manual power turns off after 10 hours, then on and off at the same time from the next day. (Operation time may be slightly faster or slower due to circuit structure.)

Water Level Indicator

Displays the status of water stored in the water tank. Bloomengine is made to control the right amount of water needed to grow the plant. When the red light appears, please supply enough amount of water.
※ CAUTION: If the water shortage indicator lights up for a long time, it may cause the plant to die or malfunction.

| Flashing | Light on | Flashing |
|---|---|---|
| Shortage (Less than 20%) | Enough (21~80%) | Excessive (81~100%) |

(There may be some difference depending on the user environment)

### Only available in applications

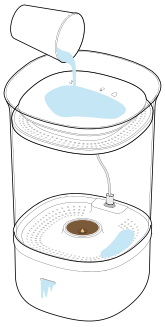
Colored mood light
(Bloomengine Color & Vison Both Available)

**"You can adjust the lighting color to your preference."**
Detailed settings can be set in the smartphone application.

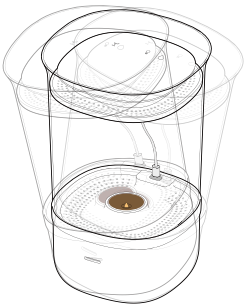
Built-in Full HD Camera
(Bloomengine Vision Only)

**"It is able to check your plants in real time."**
The integrated Full HD camera shows your plant's real-time status by capturing a photo. You can select the time-lapse function to record the unbelievable moments of your plant growing during each stage.

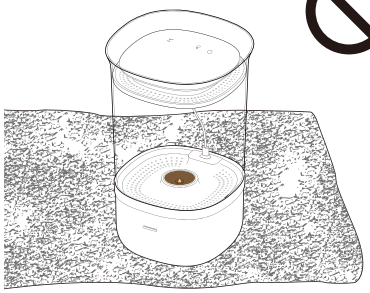
## ■ Safety Precautions



1. If you continue to pour water even after green blinking (80% or more) during water supply, water may flow out to the water outlet.
2. Be careful not to let an excessive amount of water (more than 30oz) at the same time when watering. There is a risk of malfunction.
3. Use only tap water to prevent malfunction. Do not use the following types of liquid. Doing so damages the product: Hot water over 40 degrees as well as water that contains chemicals, fragrance, well water, aroma oil, detergent or alkaline ionized water.



4. Place it in a proper position to prevent it from falling over by your pets.
5. Place the product on a flat, stable surface so that it will not fall over.
6. When moving the unit, be careful not to overflow the water.
7. Do not lift the top of the main unit during operation. It may cause malfunction.
8. Do not place objects on top of the unit. This may result in damage to the product.
9. Do not pull on the AC adapter cord. Damage to the cord may cause electric shock or short circuit.



10. Do not use on carpets or in an unstable place. If it falls, water may flow and cause electric shock or fire.
11. Be careful not to cover the ventilation openings with curtains or the like covering the product. It may cause malfunction or breakdown.
12. Do not use under a table or desk. Air circulation may not be smooth.
13. If any abnormality occurs, discontinue use and ask for an inspection. Please contact the place of purchase or the Bloom Engine Customer Service Center for inspection requests.

## ■ Caution

1. This product is designed for use in the USA only. Do not use overseas.
2. Push the AC adapter firmly to the end. There is a danger of electric shock, short circuit or fire.
3. Do not use the product outside of 100 to 240V AC. There is a risk of malfunction or fire.
4. Do not use any other AC adapter. Doing so may cause malfunction or fire.
5. If the product falls, discontinue use, unplug the AC adapter from the wall outlet, and have it checked. Please contact the place of purchase or the Bloomengine Customer Service Center for inspection requests.
6. Do not pull or connect the AC adapter with wet hands. There is a danger of electric shock or injury.
7. Be sure to turn off the power when you throw away water. If you turn off the power without shutting off the power supply, water may get inside the unit, causing a malfunction or electric shock.
8. Do not allow children to use the product on their own, and use it in a place out of the reach of children. There is a risk of injury or electric shock.
9. Be careful not to use children's toys for windows or trays. There is a risk of unexpected injury.
10. When raising indoors such as dogs or cats, be careful not to let your pet bite off this product or the power cord. It may cause fire or breakdown.
11. Do not disassemble or modify it. It may cause malfunction or fire.
12. Do not insert needles or clips into the water supply. There is a danger of electric shock.
13. Do not place objects on the unit or sit on the unit. There is a risk of falling and injuries.
14. When moving the unit, unplug the AC adapter from the wall outlet and move it so that it does not overflow.
15. Do not use on carpets or in an unstable place. If it falls, water may flow and cause electric shock or fire.
16. Do not install near any appliances such as TVs or heating appliances. If water falls on the product, it may cause a fire or electric shock.

## ■ Troubleshooting

1. LED does not turn on.

1-1) Is the AC adapter connected to the wall outlet correctly?
▶ Connect the AC adapter correctly to the wall outlet.

1-2) Is the AC adapter plug properly connected to the main unit?
▶ Connect the AC adapter plug correctly to the main unit.

1-3) Is the earth leakage breaker at the place of use turned down?
▶ Please check the electric facilities such as the earth leakage breaker at the place of use.

1-4) Is the connection cable properly connected to the cable socket?
▶ Connect the connection cable correctly to the cable socket.

1-5) If it's on auto mode, is it the time when lighting will not operate?
▶ If you want to change the LED status, touch the manual button or cancel the auto mode in the app and change to the manual mode.

2. The pump works all the sudden.

2-1) This is not a fault. It works automatically at a set time.
▶ The pump will work intermittently to provide adequate moisture for the plant. If this is not a malfunction, but the pump does not stop working or does not work, contact the Bloomengine Customer Support Center.

3. Fan turns off.

3-1) This is not a fault. The power of the fan is automatically activated so that the plant can breathe.
▶ The fan will run while the power is connected to the plant for the growth and growth of the plant. However, if the fan noise is too loud, please contact the Bloomengine Customer Support Center.

## Warranty

### ■ Warrenty and After-Sales Service

For more information on repair, handling and maintenance, or if you have any further questions, please ontact the Bloomengine Customer Support Center.

1. Please make sure that the "Warranty Period" is written on the warranty card.
2. The warranty period is one year from the date of purchase. If you need to repair the product, please contact the Bloomengine customer support center. The product will be repaired under the conditions specified in the warranty.
3. If you need to repair the product after the expiration of the warranty period, please contact the Bloomengine Customer Support Center. If repair is possible and the function of the product is restorable, we will repair the product for you at your request.
4. The maintenance period of repair parts for this product is 5 years after the product is discontinued. Repair parts are the parts necessary to maintain the functions of this product.
5. In case of malfunction, attempting to disassemble or repair the product yourself is very dangerous. Never attempt to disassemble or repair the product yourself.
6. Consumables (such as seeds) included with this product are not covered by the warranty.

### ■ Handling of Personal Information

1. Bloomengine Inc. (hereinafter “Bloomengine”) may use personal information for customer service and repairs, and may keep a record of the inquiries.
2. Bloomengine will not disclose personal information to third parties, except in the following cases:
   2-1) When repairs or confirmation of repairs is entrusted to third parties.
   2-2) In cases pursuant to the provisions of laws and regulations.
3. For inquiries on personal information, please contact the  Bloomengine Customer Support Center.

### ■ Correct Disposal of this Product

When disposing of this product, please classify it as [Electric, Electronic appliances] and recycle it.The materials used in this product are recyclable materials.

* Product

Dispose of this product at the time of disposal.

* Packaging material

Packaging materials are recyclable. Please separate and dispose at the time of disposal.

### ■ Bloomengine Customer Support Center

support@bloomengine.net

## Quality Warranty

| | |
|---|---|
| Product Name | Bloomengine Vision / Bloomengine Color |
| Model Name | B100KHB (Vision) / B100KHC (Color) |
| Product Serial Number | |
| Date of Purchase | |
| Place of Purchase | |
| Warranty Period | 1 year from date of purchase |

※ Please fill in the blank space when purchasing the product.

### ■ Service Regulation

1. If defects are discovered within the warranty period, we will pay for replacement and transportation costs. (In case of transportation, please follow our instructions.
2. In the case of damage or breakdown of the product by the customer, repair and transportation costs may be charged.
3. Please contact our customer center for any damage or defect that occurs during transportation. (Please contact us for damage/defects during transportation within 15 days after receipt of the product.

### ■ Setting the warranty period

Warranty period can be applied for one year (12 months) from the date of purchase of the product. (Warranty period is not applied when lost warranty.) After the warranty period, repair and shipping costs may be charged.

### ■ Exchange, Return / Refund

1. Order cancellation, return, and refund is not available for custom-made items.
2. No return or refund will be made if genuine product modification or other work is done by the user without prior consultation with the head office.
3. You will be charged for the cancellation of your order within 7 days of receipt. (If the product is older than 7 days after receipt, it can not be exchanged or refunded.)

### ■ Case of refund or exchange is not available

1. If the product is lost or damaged due to your own responsibility (except when you have damaged the packaging etc. to check the contents of the product)
2. If the value of the product is significantly reduced by your use or consumption.
3. If the value of the product is significantly reduced to the point where resale is difficult due to the passage of time.

※ The contents of this manual may be changed in part or in whole without prior notice.


| | |
|---|---|
| Company Name | Bloomengine Inc. |
| Address | (01849) #302 Seoul Startup Didimteo, Dongil-ro-174-gil 27, Nowon-gu SEOUL KOREA |
| E-mail | support@bloomengine.net |
| Tel. | +82)70-5129-5177 |

**FCC Information**

This device complies with part 15 of the FCC Results. Operation is subject to the following two conditions :

(1) This Device may not cause harmful interface, and
(2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for CLASS B digital device, pursuant to Part 15 of FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment This equipment generates, 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 correct the interference by one or more of the following measures:

1.1. Reorient or relocate the receiving antenna.
1.2. Increase the separation between the equipment and receiver.
1.3. Connect the equipment into an outlet on a circuit different from that to which receiver is connected.
1.4. Consult the dealer or experienced radio/TV technician for help.

**WARNING**
Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

IMPORTANT NOTE:
FCC RF Radiation Exposure Statement:
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.