

CG102RV3

ZIGBEE REMOTE CONTROL

USER MANUAL



Rechargeable
Lithium Battery

CG102RV3
ZigBee Remote Control

VERSION 0.0

17 APRIL 2015

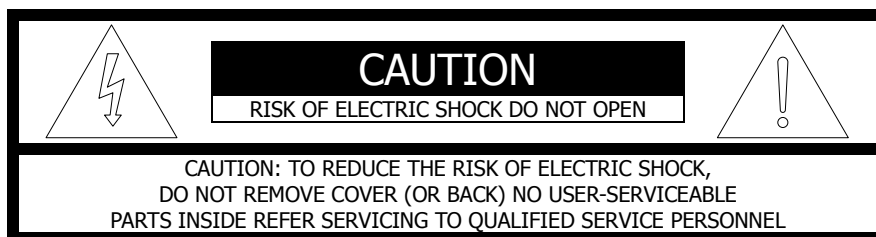


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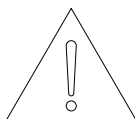
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The lightning flash with arrowhead symbol within an equilateral triangle is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

IMPORTANT SAFETY INSTRUCTIONS

READ BEFORE OPERATING EQUIPMENT

This product was designed and manufactured to meet strict quality and safety standards.

There are, however, some installation and operation precautions which you should be particularly aware of.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer’s instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. If the provided plug does not fit into your outlet, consult an electrician for replacement of the outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Table of Content

1. Introduction.....	1
2. Understanding of the product-CG102RV3	2
3. Getting start	3
4. Operation instruction	4
6. Specification	6

1. Introduction

Thank you for buying Citygrow's product. CG102RV3 runs on internal rechargeable lithium battery pack. The fully recharge time is typically 2 hours by using mini USB cable. It is a powerful and handy device that enable you to control your house, eg. Lighting control, curtain control, air-conditioner control, IR device control.

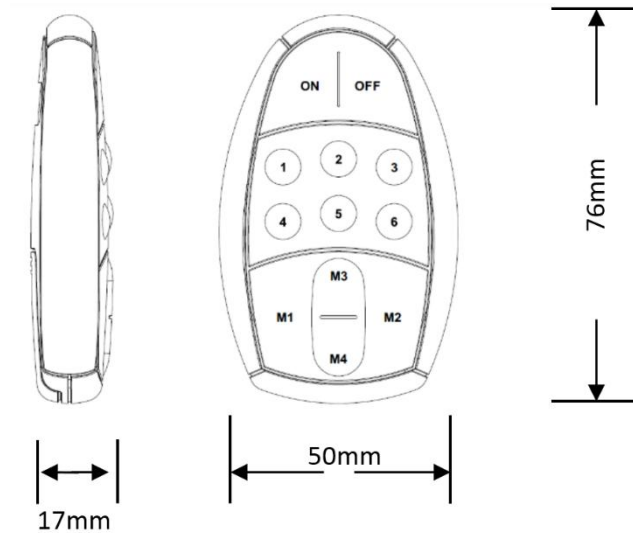
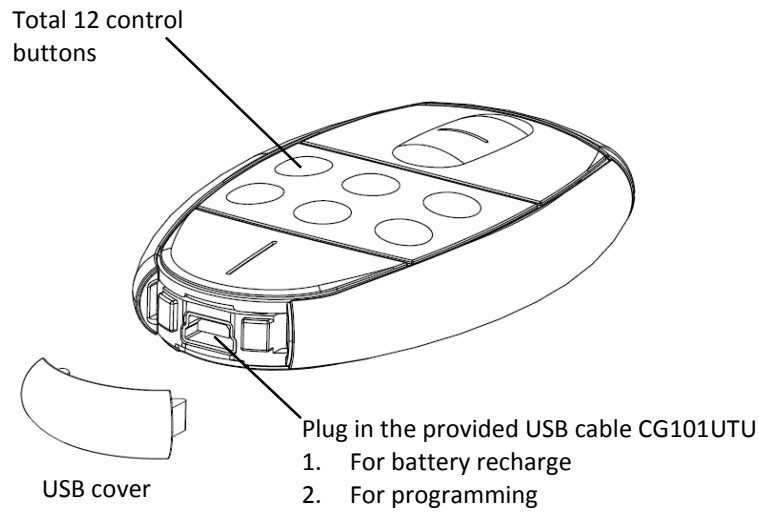
Before you use CG102RV3, you should have already installed various kind of Citygrow's ZigBee/IR control product. You may locate CG102RV3 at different locations within your house for example, living room, dining room, bedside,etc. depending on your usage requirement.

This product is simple to use, 12 scenes control button that you can pre-program it through Citygrow's HomeNET Planner software that you can download from www.citygrowsys.com.

Description

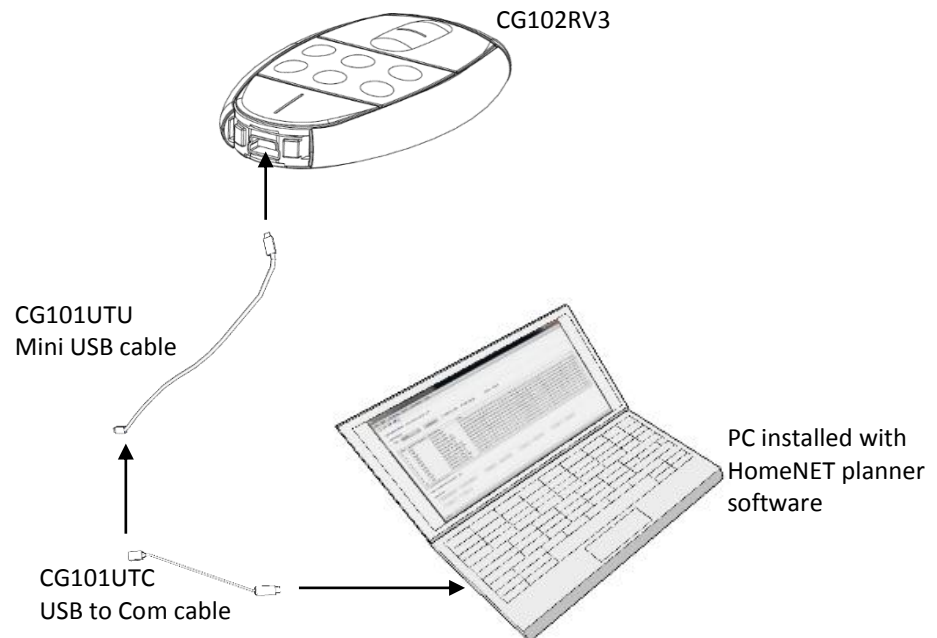
- ZigBee wireless remote control.
- Based on IEEE 802.15.4.
- 2.4GHz radio frequency.
- Remote control of Citygrow's switches, dimmers, AC sockets, IR,etc.
- Scene will include lighting, curtain open/close, AC socket on/off, IR TV, Air-conditioner control...etc.
- Total 12 powerful user customized scene settings.
- All on, All off, Goodbye, Good night, Eco, Day mood, Night moodetc.
- Keychain size.
- Built-in rechargeable lithium battery.
- Rubber keypad.
- Handy design.
- Support multiple remotes to be used within same wireless network.
- 128bits AES encryption transmission that is high speed and secure.

2. Understanding of the product-CG102RV3



3. Getting start

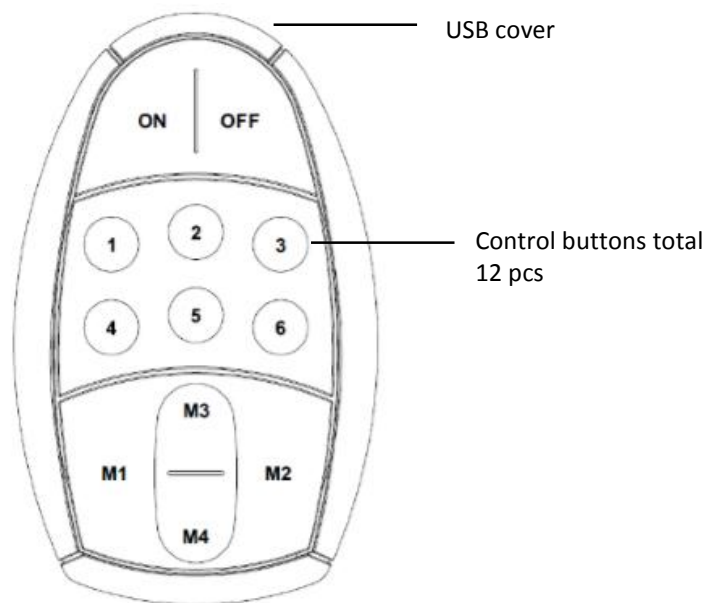
- 3.1. Make sure that you have already installed Citygrow's ZigBee products in your house. (refer to the user manual of each Citygrow's product)
- 3.2. Make sure that you have already preprogrammed Citygrow's ZigBee products in your house (refer to the user manual of each Citygrow's product)
- 3.3. Make sure that you have already preprogrammed the scenes on each of your existing "Citygrow's Mood control panel", for example CG100H4-MD, CG800H4-MD.....etc.
- 3.4. Use the provided Mini USB cable CG101UTU to plug into DC5V, (100mA minimum) USB port of your PC or mobile phone charger to recharge CG102RV3 for 2 hours.
- 3.5. Adding CG102RV3 to your home wireless network, please get ready the following items before start:
 - a. CG101UTU mini USB cable (provided)
 - b. CG101UTC USB to Com cable (purchase separately)
 - c. A window 7 / XP pc installed with Citygrow's HomeNET Planner software.
 - d. The original XML file of your house that you have used for section 3.1 to 3.3.
- 3.6. Connect the cables according to the following diagram.



- 3.7. Refer to HomeNET planner manual for detail settings for the CG102RV3.

4. Operation instruction

- 4.1. Press the Control button once to select the "lighting scene" that you have preset.
- 4.2. After pressing the button, CG102RV3 will send radio signal to the surrounding Citygrow's wireless product, for example the wall mount type mood control panels, switch module, dimmer, curtain motor driver, AC power socket.....etc
- 4.3. Then CG102RV3 will go back to sleep condition immediately to save the battery power.
- 4.4. In case you found there is no action after you have pressed the button, the internal lithium battery will need to be recharged.



5. Battery recharge

- 5.1. Open the USB cover at the front of the product.
- 5.2. Use the provided USB cable to plug into the USB port at the USB cover area.
- 5.3. The other side of the USB cable should be plugged into DC5V (minimum 0.1A) type USB charger, for example the mobile phone USB charger or USB port of a computer.
- 5.4. The fully recharge time is about 2 hours.
- 5.5. After 2 hours recharge process, you should unplug the USB cable and try to push the button to test again.

6. Specification

Model number	CG102RV3
Description	ZigBee Remote
Function	<ol style="list-style-type: none"> 1. Remote control for Citygrow's ZigBee devices. 2. 12 preset lighting scene buttons. 3. Maximum 10 scenes can be mixed in a single button. 4. Group On/off control. 5. Automatic sleep for battery life saving 6. Two way control function. 7. Built-in rechargeable Lithium battery pack. 8. Mini USB battery recharge port. 9. Recharge voltage DC5V 0.1A 10. Fully recharge time : 2 hours @DC5V 0.1A
Current consumption	Peak current:80mA max. Sleep current: 10uA typical
RF frequency	2.4GHZ
Remote control distance (M, line of sight)	100M
Dimensions mm (Length x Width x Depth)	76x50x17
Recommended operation temperature	0 to 40 deg C Warning !! Avoid putting this product nearby fire, direct sunlight or wet environment.