

# Datasheet

Version 1.0

***NETVOX TECHNOLOGY CO., LTD.***

**Add.: No. 21-1 Sec. 1 Chung Hua West Road, Tainan, Taiwan**

**Tel.: +886-6-2617641, 2654878**

**Fax.: +886-6-2656120**

**<http://www.netvox.com.tw>**

## History

Version	Date	Note
V1.0	2015-8-4	Initial

### Notes:

Hardware version :V0.2

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## Appearance

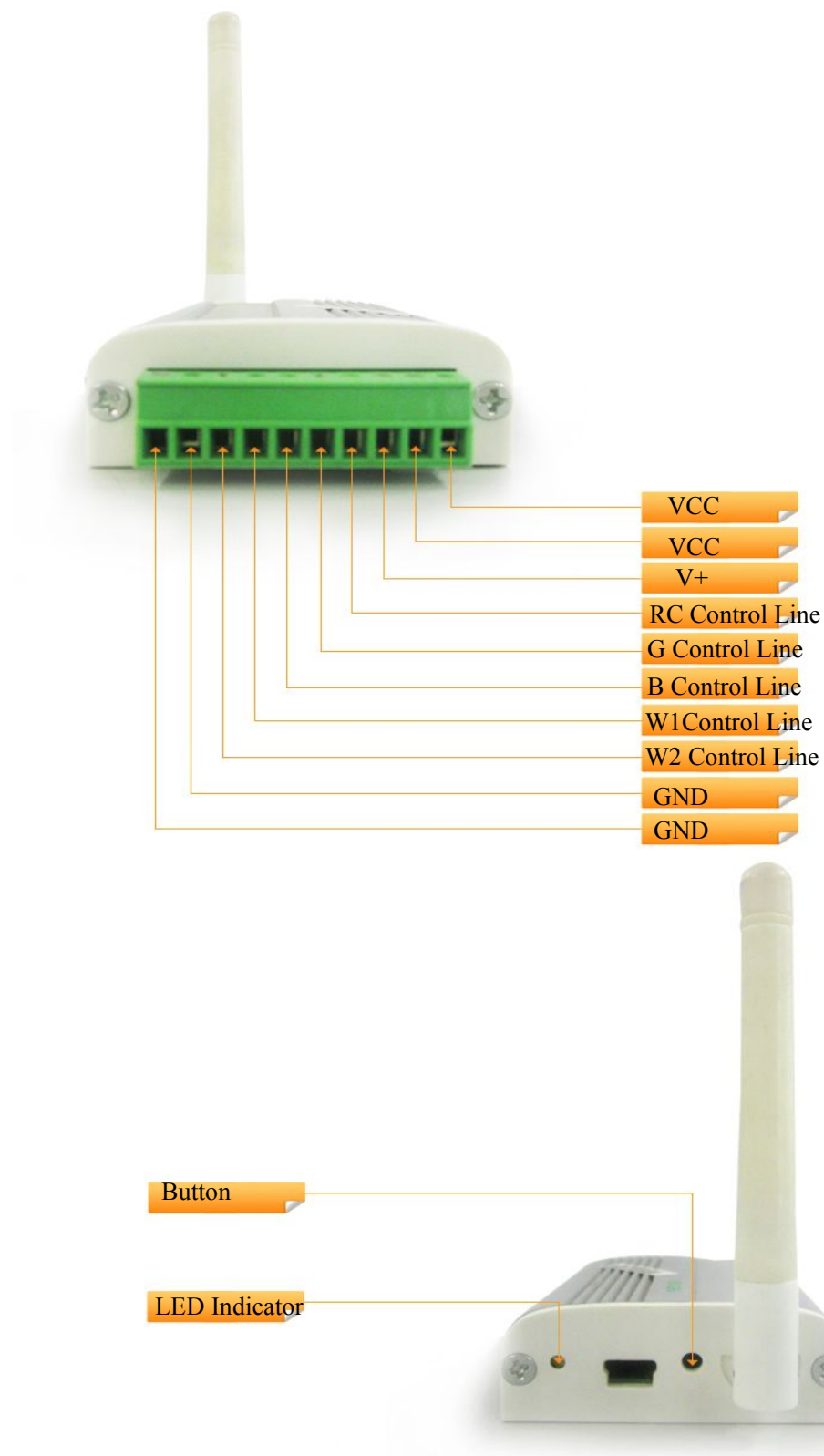


Fig.1 ZL0G Appearance (It might be slightly different from real good.)

**ZigBee Pro™- ZigBee Dimmable/RGB LED Controller**

ZL01G is a ZigBee dimmable / RGB LED controller, with the use of RGB lights and lights, which follow the IEEE802.15.4 standard that can communicate with the devices in ZigBee network.

ZL01G has DC12V / 24V two kinds of power supply that can work with any V + signal RGB controlled light or panel lights, through the Zigbee network, users through the wireless RGB command and color temperature light with the dimming color, and RGB multi-stage toning.

## Main Feature

- ZigBee Pro™ compliant ZigBee protocol
- Using 2.4GHz ISM band, a total of 16 channels
- Operating voltage: + 12V / DC +24 V / DC
- Antenna Type: External I-PEX Connector Antenna

## Electric

Working Current	+12VDC / +24VDC
Standby Current	17mA (Typical 15mA)
RGB single branch maximum load current	10A
Power-on instantaneous current	

## Frequency

Frequency	2.4~2.4835 GHz
Channel amount	16 个 (ISM 11~26 )
Output power	7dBm/19dBm (Max.)
Rx sensitivity	-101dBm
Antenna type	External I-PEX Connector Antenna
Communication rang	300M
Data transfer rate	250Kbps
Spread technique	DSSS (O-QPSK)

## Physical

Dimension	110mm x 55mm x 20mm
Circumstance	5%~85%RH

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**ZigBee Pro™- ZigBee Dimmable/RGB LED Controller**

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Humidity	
Working Temp	-10°C ~ 50°C
Storage Temp	-40°C ~ 85°C