



RM1000 User manual

Copyright statement

Copyright© 2016 ROOMIS Tech Ltd. All Rights Reserved.

ROOMIS Science and technology limited company all rights reserved

This using manual including but not limited to its by contains of all information by copyright method of protection, without ROOMIS Technology Limited (following referred to ROOMIS) license, shall not to any form or any method, including electronic, and mechanical, and magnetic, and optical, and chemical, and handwriting or any way be imitation, and copies, and transcript copy, and translates, and store Yu retrieved system or translation into any text or computer language.

Disclaimer

The manuals and other documents, which contains all print or e-file, for reference purposes only. ROOMIS has tried its best to ensure that the accuracy and completeness of the information, manuals and other documentation in the " status " provision, but referred to therein of any kind, either express or implied,ROOMIS1 does not provide any warranties and guarantees, including for any commercial purpose or merchantability for a specific purpose be ensured and ROOMIS From the use of this manual and the results obtained through this manual to obtain information or accuracy, reliability is not guaranteed.

ROOMIS Will not use the Handbook and other documents related to or arising out of any damage, including but not limited to, indirect, direct, derivative assumes no liability or incidental loss. As part of the responsibility of States or territories may not allow full injunctive relief or to loss of the foregoing limitations of liability, so the above limitations or exclusions may not apply to you.

The purpose of this manual is to provide the most up-to-date and accurate information to customers, so ROOMIS reserves the right to modify or change this user's manual, all content there may be the occasional modifications without prior notice. If you desire to learn detailed instructions for manual updates or product changes, please visit ROOMIS 's official website <http://www.roomis.com>.

In third-party products mentioned in this manual or the content of all ownership and intellectual property rights for the respective product or content owner and is protected by current intellectual property laws and international treaties protect.

When either of the following conditions, the product will no longer be ROOMIS warranty and service:

- (1) This product is used to accept non- ROOMIS authorized repair, change of specification, replace components or other without ROOMIS Authorization Act.
- (2) The product serial number has been lost or blurred beyond recognition.

Welcome Roomis Comprehensive space management Terminal



Full range of space management and information services provider

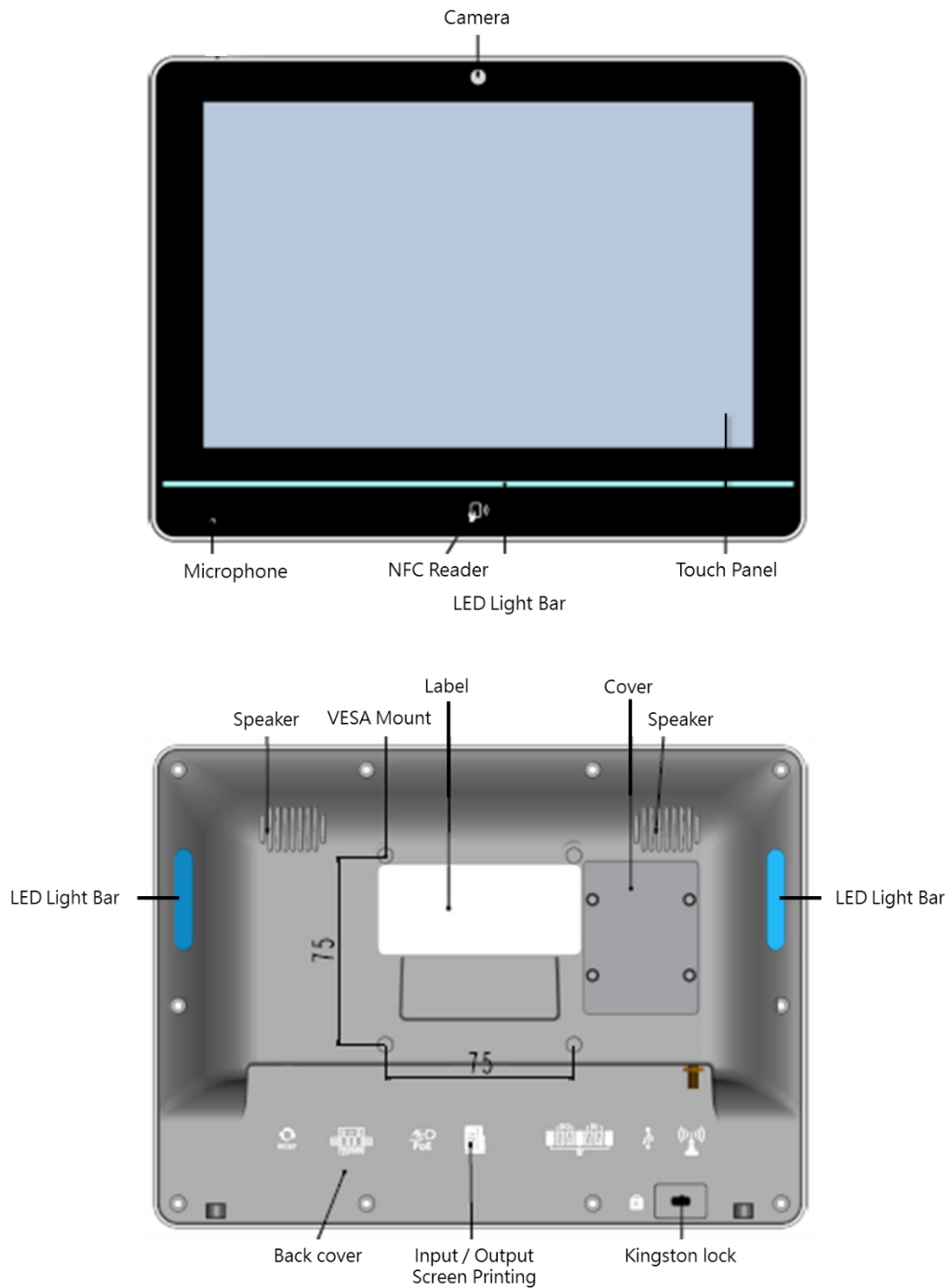
ROOMIS Committed to the space required for the service system of the best technology and services, research and development of intelligent terminal space service, offers users the full range of space management solutions. Whether you want to lease, site of the Conference booking space, call service, or through your RFID identification card conferences, courses, personal information, etc, are easily in the Roomis intelligent terminals to complete the operation.

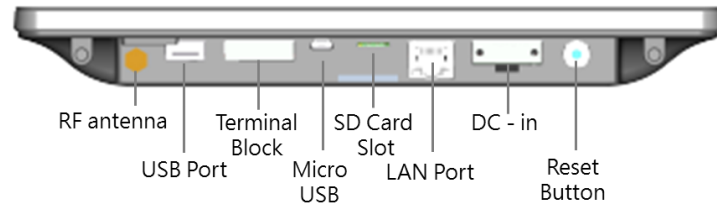
Contents Directory

Chapter 1 、 Roomis Terminal introduction.....	5
1. Appearance composition	5
2. Hardware component specifications	6
Chapter 2 、 Hardware and settings.....	8
1. Wall special fixed frame	8
2. ROOMIS Spec for installation and wiring	9
2.1 ROOMIS Installation recommendations	9
2.2 ROOMIS Cabling system architecture	9
2.3 Electric lock combination form refer	10
2.4 Installation notes	10
2.5 Electric lock / export button and ROOMIS wiring detail diagram ...	11
Chapter 3 、 Software set up	12
1. Main page [electronic hourglass clock]	12
2. Initial function set menu	12
3. other set	13
Warnings	15

Chapter 1 、 Roomis Terminal introduction

1. Appearance composition





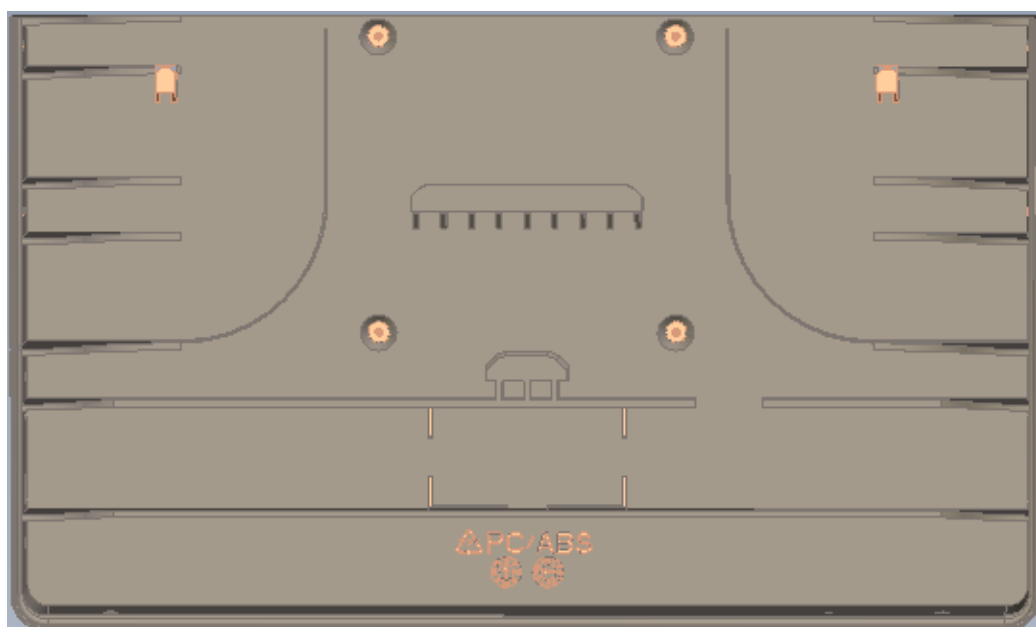
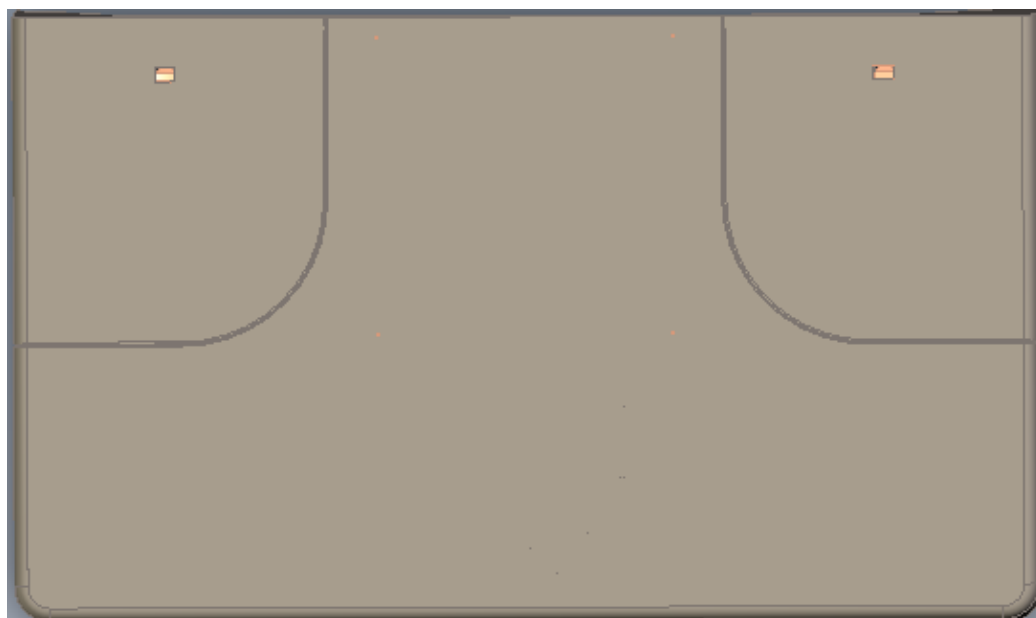
2. Hardware component specifications

LCD panel size	
Dimensions	10 Inch LED backlit panel
Resolution	1280 x 800
Compare	800:1
Brightness	350 nits
View angle	-85 ~85 (level), -85 ~85 (vertical)
Touch screen	Capacitive touch screen supporting multi-touch
System specifications	
Processor	Quad-Core ARM Cortex-A7CPU 1.3G Hz
Memory	2GB LPDDR3
Storage device	Onboard 16GB eMMC
The operating system	Android 5.1
System input / output	
Digital input / output	2 x DI, 2 x DO, One DO provide 12V 1A to facilitate electric lock
Remote control	Match 443MHz remote control
LED Led Strip	RGB Full-color
iBeacon	Built-in iBeacon Transmitter
The reset button	1 x The reset button
USB Interface	USB 2.0 Interface x 1/USB OTG x 1
Ethernet / LAN	1 x RJ 45 10/100/1000 Support POE, IEEE 802.3AT
Expand storage device	1 x Micro SD Card slot supports 32GB
Built-in devices	
The front NFC	Conform to the following: ISO 18092 International standards (Reader/writer) EMCA-340 Standard ETSI TS 102 190 Standard Sensing distance 3 cm
Audio input	Positive directional microphone
Audio output	2 x 1Watt Horn

Camera module	5 Megapixel , wide-angle 88
The watchdog	Hardware watchdog
Power specifications	
Power over Ethernet	802.3 AT
Power consumption	25 Watts (full loading)
Body specifications	
Cooling system	Fanless design aluminum frame heat sink
Wall hanging	VESA Mount (75 x 75mm)
Size of appearance	Width 260 x high 170 x thickness 28mm
Environmental specifications	
Operating temperature	-10 °C ~ 50°C
Operating humidity	10% ~ 90%

Chapter 2 、 Hardware and settings

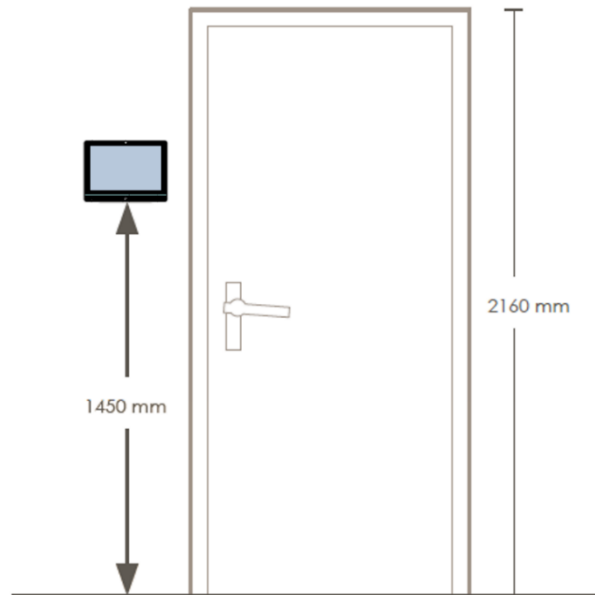
1. Wall special fixed frame



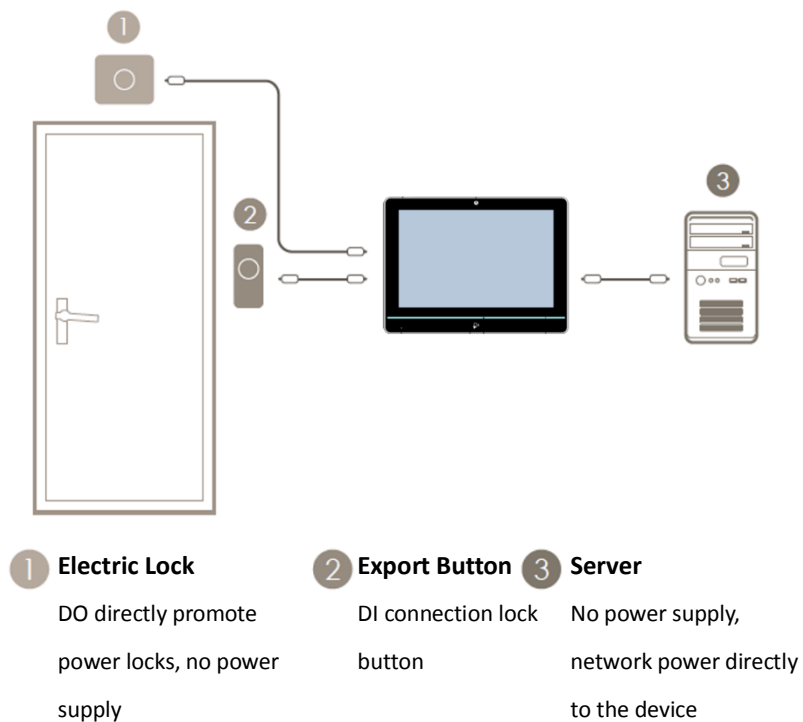
2. ROOMIS Spec for installation and wiring

2.1 ROOMIS Installation recommendations

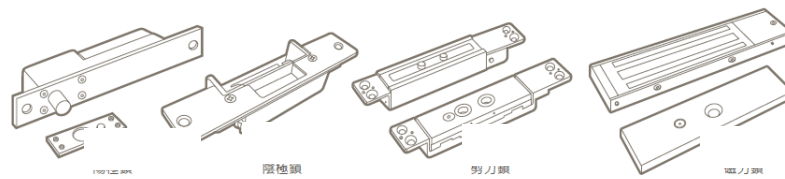
According to the general average height value recommended, install ROOMIS timing margins off the ground beneath the 145cm height is best for erection height, also based on customer behavior, appropriate increase or decrease. The following icons:



2.2 ROOMISCabling system architecture



2.3 Electric lock combination form refer



Electric lock combination must cooperate with the decoration of doors material quality and specifications of the appropriate type selected. Electric lock pick considerations, it should be noted the following points:

Openings: To the outdoor to indoor open, open, two-way opening, side-pull or sliding doors.

Frame material: Metal [Aluminum alloy, stainless steel] , Wooden, glass door [No frames] °

The gap under the door: Note how big gap between door leaf and door frame, switch is stuck to the door jamb can be avoided.

Height: The height and weight of the door.

Number of doors: Single door, double doors or other.

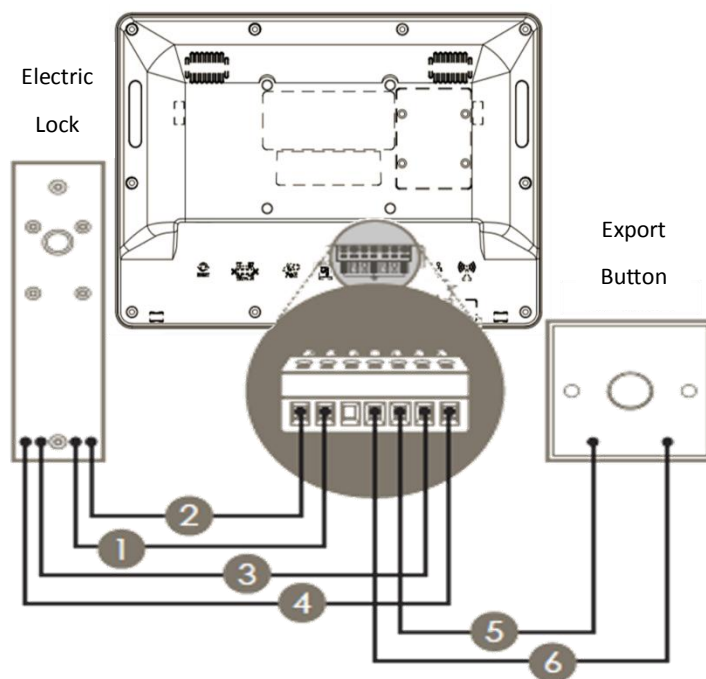
Channel usage: Doors or doors, fire doors, warehouse channels.

Other matters: With or without special needs, the signal output or time delay.

2.4 Installation notes

- PoE switches Grounding must be done and avoid the possibility of static electricity caused by equipment failure.
- Push button controller 2 Wires, wire diameter required is greater than the 0.5 mm² , Type: RVV2 × 0.5mm² °
- Server to the ROOMIS Data transfer through CAT 6 Network of transmission.
- DC power and signal cables the same root when piping, use shielded wire.
- AC power lines and signal lines must be identified as pipe and two long parallel arrangement should be apart 50cm Above.
- Threading requirements marked line, line connectors must be inside the junction box.
- Terminal block attention to the wiring specification, do not have the long and exposed metal parts, so as to avoid short circuits and communication failures.

2.5 Electric lock / export button and ROOMIS wiring detail diagram



1: Electric lock DC 12V

2: Electric lock ground

3: Door position status detection NO

4: Door position status detection COM

5: Export button detection NO

6: Export button detection COM

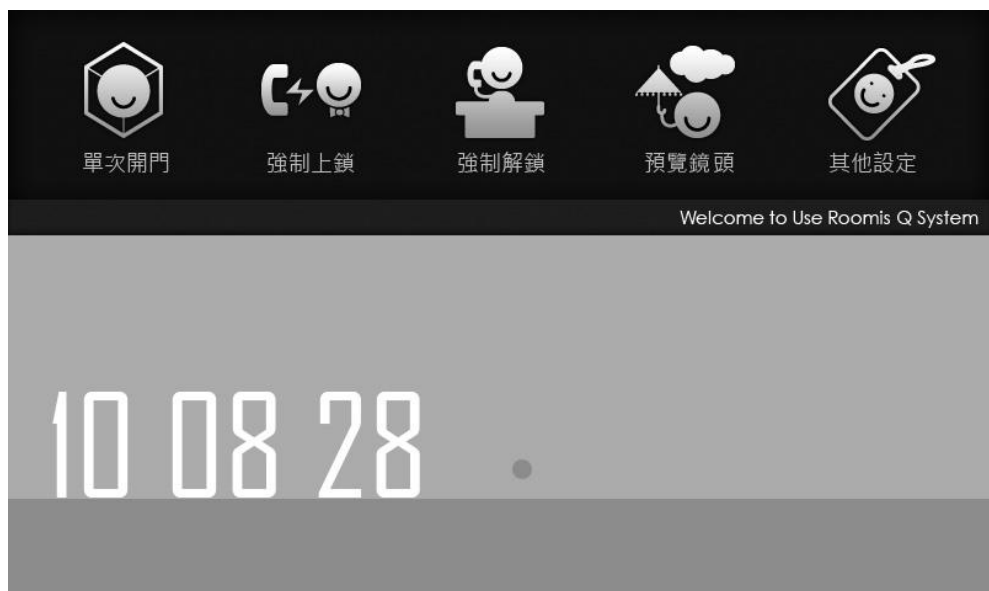
Chapter 3 、 Software set up

1. Main page [electronic hourglass clock]

Pictures with the figures show the current time, in the background is also expressed in image of the hourglass of time goes by [color will change per hour].



2. Initial function set menu



Initially contains five features, namely (1)single door,(2)the mandatory lock,(3)mandatory unlock,(4)preview lens,(5)other settings. (1) (2) (3)provides testing electric lock connected condition, factory default for electric lock power lock mode.

(1) Single open door

After pressing through control of the electric lock will open.

(2) Forced to lock

When the electric lock is normally open by default mode, press lock can be set as normally close.

(3) Forced to unlock

When the electric lock by default under normally close, press lock can be set as normally open.

(4) Preview scenes

When pressed, displays the built-in camera footage in real time.

(5) Other set

Please refer to [other set]

3. other set

Type : ☒ Static ☐ DHCP Set Net Type

IP : 10.10.2.99 Mask : 255.255.255.0

Gateway : 10.10.2.240 DNS : 168.95.1.1 Set IP

Ping : 10.10.2.240 Ping

Remote : Pair Control Camera : Preview

LED : Red Green Blue Exit

(1) Types of online

You can choose Static or DHCP, press the "Set Net Type" button modifications are complete.

(2) IP Setting

IP :	<input type="text" value="10.10.2.99"/>	Mask :	<input type="text" value="255.255.255.0"/>
Gateway :	<input type="text" value="10.10.2.240"/>	DNS :	<input type="text" value="168.95.1.1"/>
<input type="button" value="Set IP"/>			

Set the IP address, default gateway, subnet mask,DNS server, click on the virtual keyboard will appear, press the "Set IP" button modifications are complete.

(3) Ping

Press the "Ping" button, performs a Ping to test network connectivity.

(4) Remote Control

Press "Pair Control" button, then press the remote button on the remote control, will be paired with a remote control and unlock the electric lock. °

(5) Camera Test

Press the "Preview" button, the built-in camera module screen will be displayed, in the picture back to previous points again.

(6) LED Test

Respectively, by pressing the "Red", "Green" or "Blue" key test built-in full color LED light bar color.

Warnings

1. According to the radiation of low power radio motor management
12th
※-Type-certification of low power radio frequency electric motor, without permission, companies, firms or users are not allowed to alter the frequency, increase the power or change the features and functionality of the original design.
14th
※Low power RF generator use should not affect flight safety and interfere with legal communications; found when there is interference, should be immediately stopped, and improvements to the interference-free to continue using the.
-The above-mentioned legitimate traffic, according to the Telecommunications Act provides for operation of radio communications.
-Low power radio frequency electric motor shall bear legitimate traffic or industrial, scientific and medical radio wave radiation disturbance of the electrical equipment.
2. "The use of excessive fear can impair vision"
 - Use 30 minutes rest 10 minutes.
 - Children below two ages without looking at the screen, 2 years every day looking at the screen no more than 1 hour. °
3. FCC Warnings :
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 ,includinginterference that may cause undesired operation.
4. FCC Warnings :
NOTE: 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 B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to 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 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 to correct the interference by one or more 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.

5. FCC Warnings :

Any changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

6. FCC Warnings :

The antenna(s) used for this transmitter must not be co-located of operating in conjunction with any other antenna or transmitter.

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8inches) during normal operation.

Thank you for using ROOMISSpace management system

More content, service and support

Refer to the resources listed below or through the piping in order to obtain more ROOMIS Security, software, services and support related to the Information.◦

ROOMIS Official website - www.roomis.com

Customer service email -- service@roomis.com