

User Manual

Model: 11023RE

1. Product Introduction

This is a 433.92 MHz radio remote_control transmitter. The complete remote control system consists of **transmitter and receiver**. When pressing buttons on the transmitter, radio signals are transmitted to the receiver. The receiver decodes the incoming signal and triggers the corresponding control action.

2. Working Principle

- **Transmitter:** An oscillator generates a 433 MHz RF wireless signal. When a button is pressed, the oscillator activates and sends out encoded radio signals.
- **Receiver:** The receiver chip captures the 433 MHz signal from transmitter, decodes it and converts RF signal into digital signal, then sends digital data to microcontroller for executing actions.

Signal flow: Button press → Oscillator generates 433.92 MHz signal → Radio transmission → Receiver reception → Signal decoding → Microcontroller executes commands.

3. PCB Material Information(UL File No. E354175)

Supplier: MEIZHOU WEILIBANG ELECTRONIC TECHNOLOGY CO LTD

Item	Spec
Laminate type	WLB8282_22F
Flame Class	V_0
Min thickness	0.80mm /1.60mm
Solder resistance	260°C, 10 sec
Note	Adhesive type W_23 for copper foil bonding

4. Operation

1. Open battery cover, fit battery following polarity marking and close cover.
2. Set your receiver into learning mode, press button on this transmitter to finish code pairing. Please refer to receiver manual for pairing steps.
3. Press button on transmitter to send 433 MHz command signal; receiver will perform corresponding operation. Release button to stop transmission.
4. Maximum control range is achieved in open area. Walls and metal obstacles will reduce effective remote distance.

5. Cautions

1. Do not disassemble or modify internal circuit; modification will cause malfunction.
2. Keep away from high_temperature, damp and water. Avoid direct sun and rain.
3. Short remote distance usually indicates low battery. Replace battery with same specification; do not mix old and new batteries.
4. 433.92 MHz band may suffer radio interference from other wireless devices. Check surrounding interference if control becomes unstable.
5. This transmitter only works with compatible 433MHz receiver with matching protocol.
6. Keep away from small children to avoid swallowing battery.

6. Maintenance

1. Wipe housing with dry soft cloth. Do not apply alcohol or solvent to PCB board.
2. Remove battery if unit will not be used for long time, to prevent electrolyte leakage damaging circuit board.
3. If unit fails after drop_impact, check battery contact and inspect PCB for cracks.

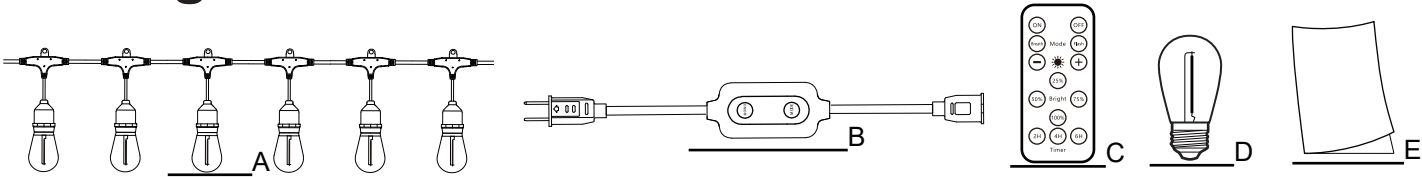
7. Revision

Hardware Version: LXZK_TX1021A_VER6.0 Drawing No.: P_00157_06



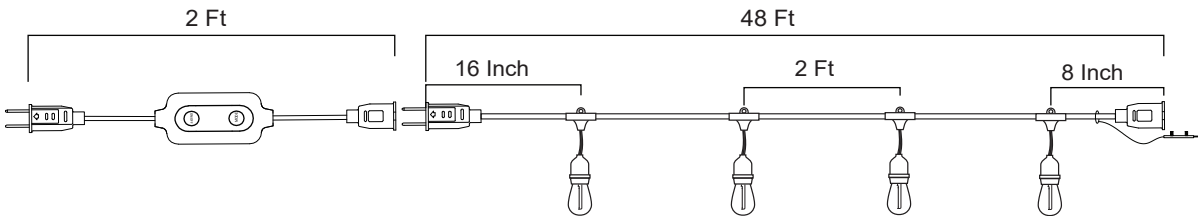
Assembly Instructions & User's Manual

Package Contents



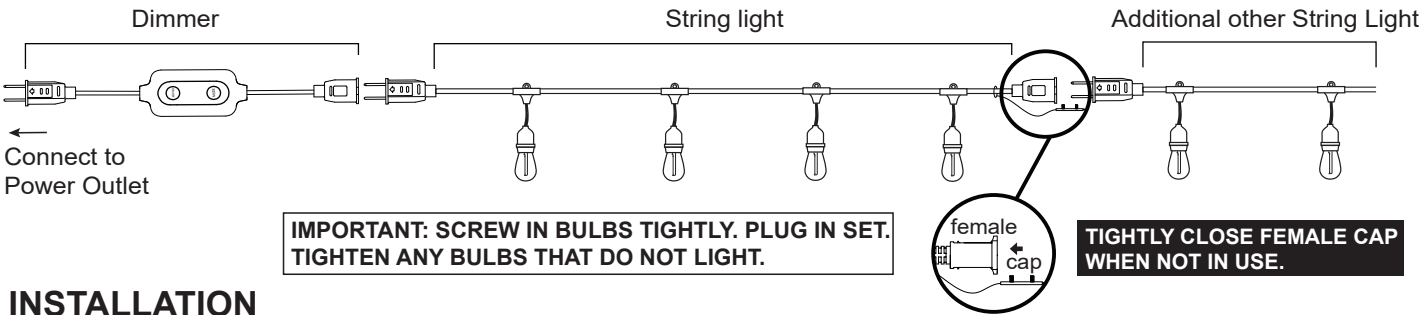
Components	Description	Quantity
A	String light	1
B	Dimmer	1
C	Remote controller	1
D	Extra bulbs-packaged in individual bag	2
E	Manual	1

Product Information



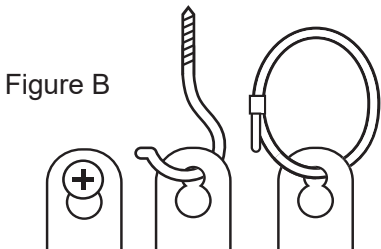
Assembly

CONNECT DIMMER AND STRING LIGHTS



INSTALLATION

1. Use the keyhole tabs to hang each bulb with screws, nails, zip ties, hooks or guide wires (not included). See Figure B.
2. Plug dimmer into the nearest GFCI outlet. The lights will turn on when connected to power.
3. IMPORTANT: If a set is already installed, unplug it from the GFCI outlet.





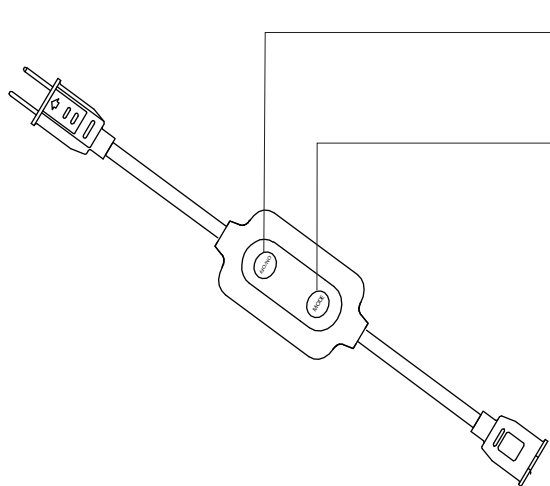
Assembly Instructions & User's Manual

LINKING SETS

1. Install up to a maximum of 13 sets by following the steps above when using a dimmer.
2. Link each installed set end to end.

NOTE: These string lights are only linkable with matching sets of string lights (Model # 11023).

DIMMER FUNCTION



1 ON/OFF BUTTON

- Turns the string light on or off

MODE BUTTON

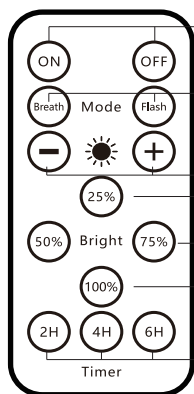
- Three lighting modes:
Lighting / Breathing / Flashing

Note: If the dimmer is turned off and then powered back on, it automatically resets to lighting mode at full (100%) brightness.

CAUTION:

The dimmer output max wattage is 300W

REMOTE CONTROLLER FUNCTION



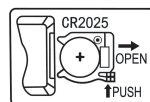
1 Power: ON / OFF

2 Mode: Breath / Flash

3 Brightness: + / -

4 Step Dimming: 25%, 50%, 75%, or 100%

5 Timer: 2, 4, or 6 Hours



**USES 1 3V, TYPE
CR2025 BATTERY**

- **WARNING - KEEP BATTERIES OUT OF THE REACH OF CHILDREN.**
- Remove and immediately recycle or dispose of used batteries according to local regulations. Keep batteries away from children. Do NOT dispose of batteries in household trash or incinerate.
- Even used batteries may cause severe injury or death.
- Call a local poison control center for treatment information if needed.
- Always purchase the correct size and type of battery most suitable for the intended use.
- Non-Rechargeable batteries are not to be recharged.
- Do not force discharge, recharge, disassemble, heat above 45°C/113°F, or incinerate. Doing so may cause injury from venting, leakage, or explosion.
- Ensure the batteries are installed correctly with regard to polarity (+ and -).
- Do not mix old and new batteries, different brands or types of batteries, such as alkaline, carbon-zinc, or rechargeable batteries.
- Remove and immediately recycle or dispose of batteries from equipment not used for an extended period of time according to local regulations.
- Always completely secure battery compartment. If battery compartment does not close securely, stop using the product, remove the batteries, and keep them away from children.

⚠ WARNING

- **INGESTION HAZARD:** This product contains a button cell or coin battery.
- **DEATH** or serious injury can occur if ingested.
- A swallowed button cell or coin battery can cause **Internal Chemical Burns** in as little as **2 hours**.
- **KEEP** new and used batteries **OUT OF REACH** of **CHILDREN**
- **Seek immediate medical attention** if a battery is suspected to be swallowed or inserted inside any part of the body.



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.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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 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.

FCC Radiation Exposure statement

The device has been evaluatec to meel general RF exposure requirement. The device can be used in portable exposure condition without restriction.