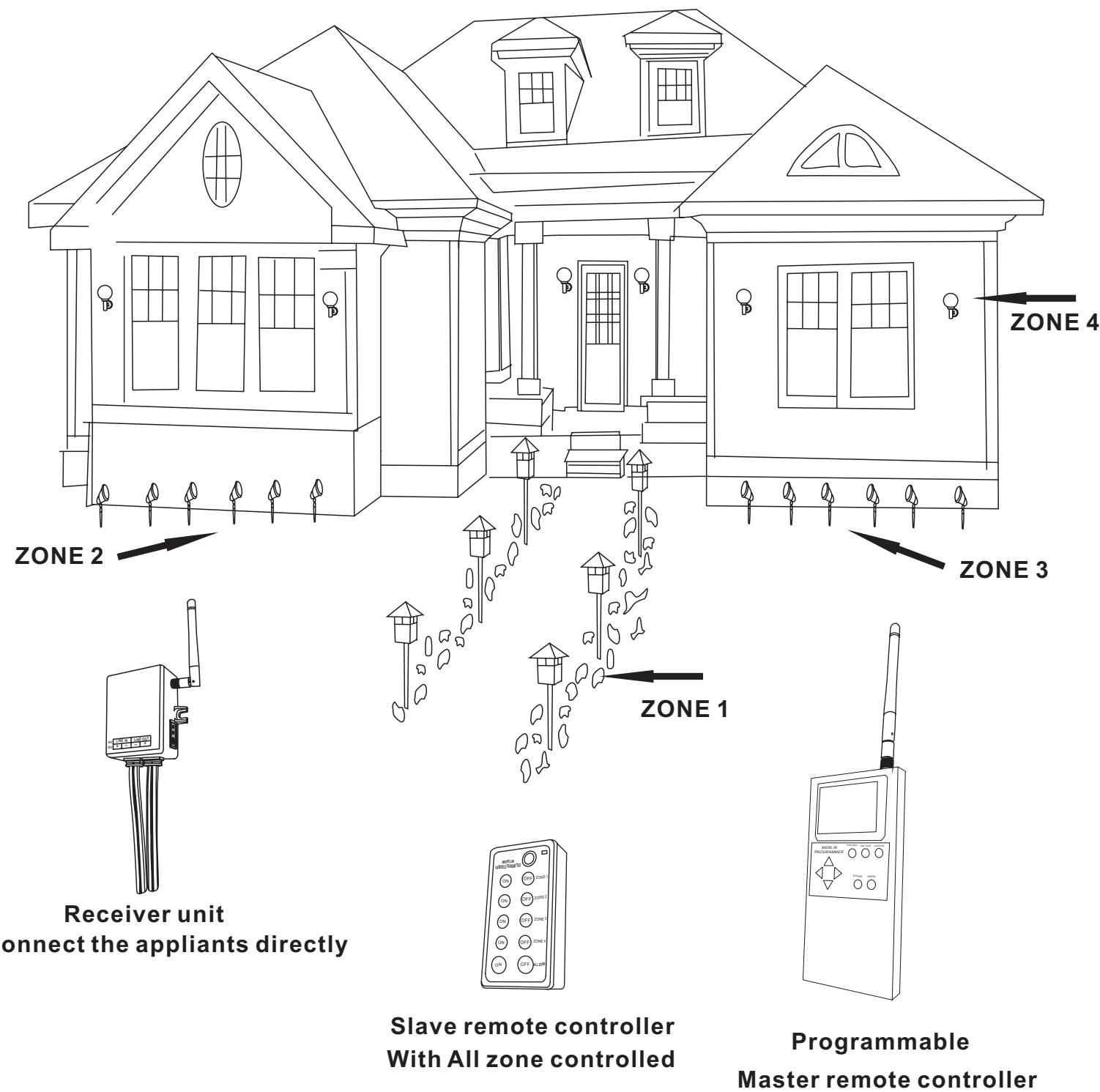


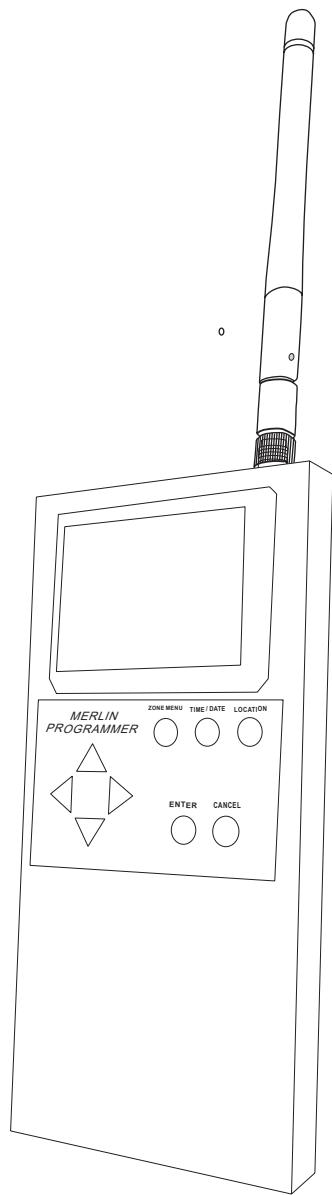
# ZONE CONTROLLED SYSTEM MANUAL

## 1 Introduce of Zone Controlled System

There are three parts for Zone Controlled System, including of Programmable Master remote controller, All zone controlled Slave remote controller and Receiver unit. They communicate via 2.4G Hz RF signal. The system can be divided into 4 zones and its available communication distance can be reached 500 Feet.



## ● Programmable Master remote controller



# MASTER OPERATION MANUAL

- PUT ON 3 PCS AAA BATTERY

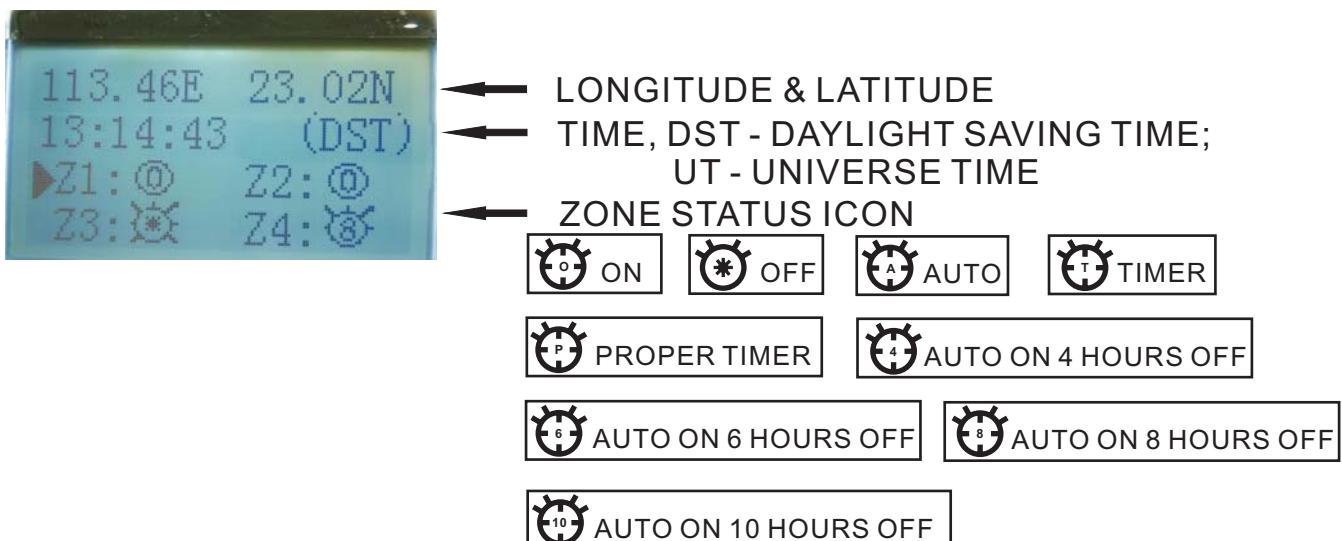


- OR PRESS THE KEY  3 SECS, MASTER TX WILL START



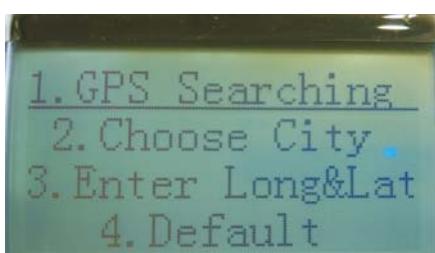
- MASTER TX CAN BE SHUT DOWN AUTOMATICALLY IF IT CAN NOT DETECT ANY ACTION FROM USER IN 5 MINS

- MAIN INTERFACE

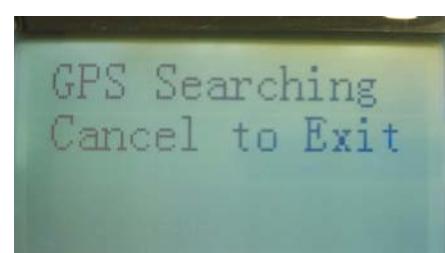


- LOCATION SETTING

- PRESS THE KEY 



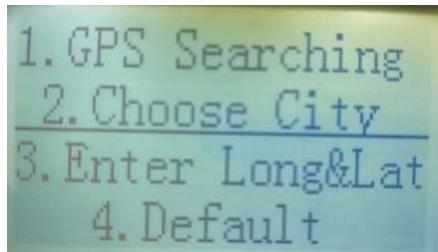
ENTER



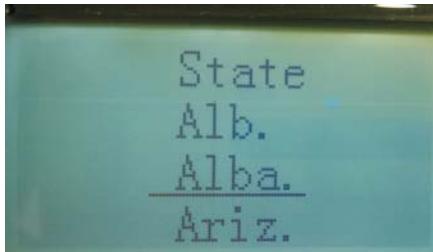
OK, BACK TO  
MAIN MENU



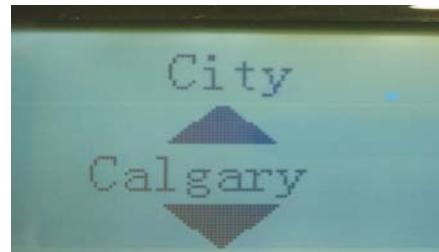
## - CHOOSE CITY



1. GPS Searching  
2. Choose City  
3. Enter Long&Lat  
4. Default



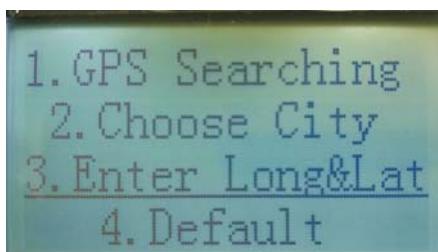
State  
Alb.  
Alba.  
Ariz.



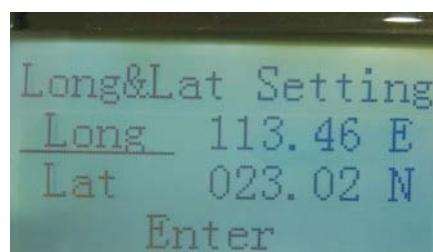
City  
Calgary

WHEN YOU FINISH TO CHOOSE YOUR CITY AND ENTER, AND THEN IT WILL BE BACK TO THE MAIN INTERFACE. THE LONGITUDE & LATITUDE WILL BE ALSO SHIFT TO THE CORRESPONDING AUTOMATICALLY.

## - ENTER LONG. & LAT.



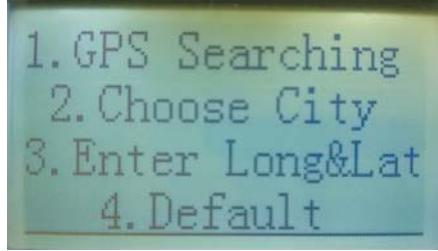
1. GPS Searching  
2. Choose City  
3. Enter Long&Lat  
4. Default



Long&Lat Setting  
Long 113.46 E  
Lat 023.02 N  
Enter

WHEN YOU FINISH TO CHOOSE YOUR LONGITUDE & LATITUDE AND ENTER, AND THEN IT WILL BE BACK TO THE MAIN INTERFACE. THE LONGITUDE & LATITUDE WILL BE ALSO SHIFT TO THE CORRESPONDING AUTOMATICALLY.

## - DEFAULT.



1. GPS Searching  
2. Choose City  
3. Enter Long&Lat  
4. Default

WHEN YOU CHOOSE DEFAULT, MASTER WILL BE BACK TO MAIN INTERFACE. AND THE LONGITUDE & LATITUDE WILL BE KEEP ORGINAL BEFORE.

## • TIME & DATE SETTING

### - PRESS THE KEY



Time/Date  
Date: 2013-08-21  
Time: 13:20

WHEN YOU CHOOSE THE DATE DURING THE DAYLIGHT SAVING TIME AND ENTER, IT WILL BE BACK TO MAIN INTERFACE. THE TIME SHOWS "DST" AUTOMATICALLY. OTHERWISE IT WILL SHOWS "UT"

- **ZONE SETTING**

- **PRESS THE KEY** 



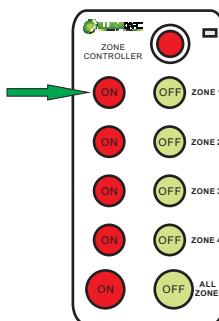
YOU CAN CHOOSE YOUR RXS MAKEING CONNECT TO ZONE 1, ZONE 2, ZONE 3 OR ZONE 4, ACCORDING TO YOUR REQUIREMENT.

- **RX CONNECTION OPERATION**

STEP 1

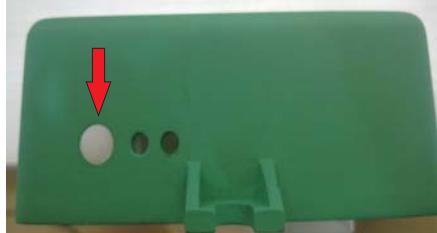


STEP 2

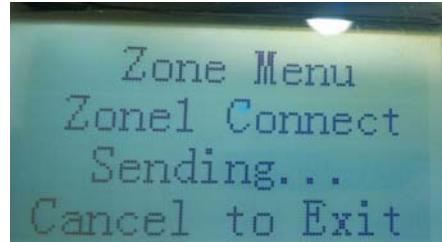


SLAVE TX

STEP 1



STEP 2

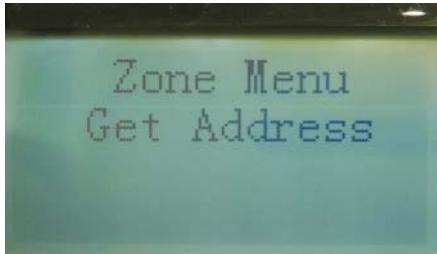


MASTER TX

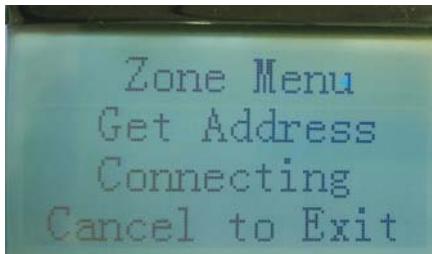
WHEN YOU WANT TO CONNECT RX AND TX, YOU WILL PRESS LONG THE KEY ON RX (THE RED ARROW POINTED) ABOUT 3~4 SECS, THE RED LED WILL BE FLASHED AND YOU CAN RELEASE THE KEY AND CHOOSE WHICH ZONE YOU WANT TO GET AND CONNECT THE RX ADDRESS ON TX MASTER OR SLAVE. WHEN THEY CONNECT OPERATION SUCCESSFULLY. IT WILL BE BACK TO MAIN INTERFACE.

- **GET ADDRESS OPERATION**

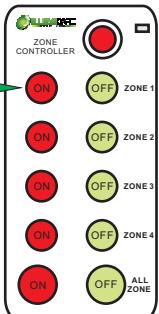
STEP 1



STEP 2

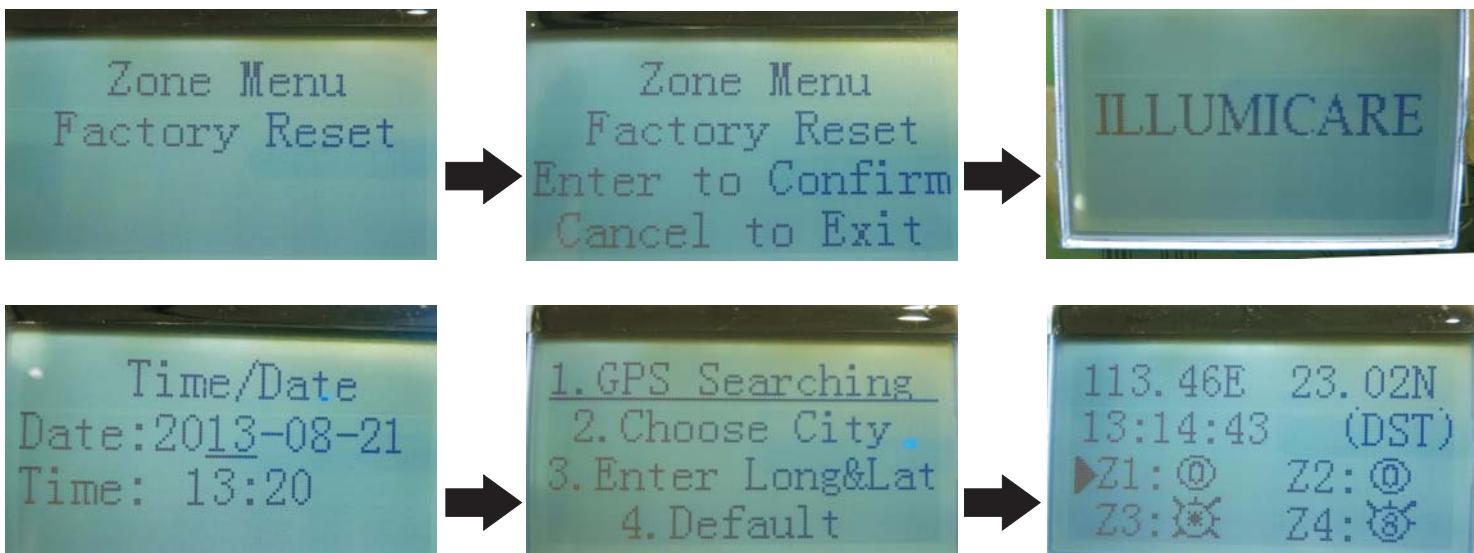


STEP 3



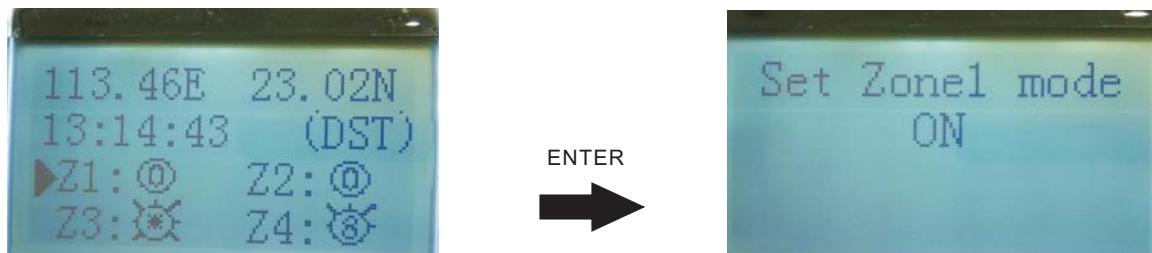
IF YOU HAVE MADE CONNECTION WITH RX AND SLAVE TX, YOU NEEDN'T TO DO SAME THING TO MASTER TX. YOU CAN RUN THE GET ADDRESS OPERATION. AND THEN PRESS SLAVE ANY "ON" KEY ABOUT 3 SECS, WHEN THE GREEN LED FLASHES. OPERATION SUCCESSFULLY. IT WILL BE BACK TO MAIN MENU. MASTER WILL GET ALL OF RXS ADDRESS FROM SLAVE.

## - FACTORY RESET



WHEN YOU FINISHED THE PROCESSES ABOVE, YOU CAN RESET YOUR TIME, YOUR DATE AND YOUR LOCATION. THE IMPORTANCE IS ALL OF RXS ADDRESS AND ZONE INFORMATION WILL BE CLEARED. YOU CAN RESET THEM ACCORDING TO YOUR NEED. SO, PLEASE PAY ATTENTION BEFORE YOU RUN THIS OPERATION.

## - SOLO ZONE SETTING



WHEN YOU FINISHED THE PROCESSES ABOVE, AND ENTER TO EMIT THE RF SIGNAL "ON" TO RXS IN SOLO ZONE, RXS WILL ACT "ON". AND MASTER WILL BE BACK TO MAIN INTERFACE AND SHOWS "ON" ICON "●"



WHEN YOU CHOOSE "AUTO" MODE, AND ENTER TO EMIT THE RF SIGNAL "AUTO" TO RXS IN SOLO ZONE, RXS WILL BE ACT "AUTO". THE TIME OF "DUSK" AND "DAWN" IS CALCULATED AUTOMATICALLY BY MASTER. WHEN MASTER IS RUN BACK TO MAIN INTERFACE AND SHOWS "AUTO" ICON "●"



WHEN YOU CHOOSE "TIMER" MODE, SET THE TIME ON AND TIME OFF THAT YOU NEED, AND ENTER TO EMIT THE RF SIGNAL "TIMER" TO RXS IN SOLO ZONE, RXS WILL BE ACT "TIMER". MASTER IS RUN BACK TO MAIN INTERFACE AND SHOWS "TIMER" ICON "🕒"



WHEN YOU CHOOSE “OFF” MODE, AND ENTER TO EMIT THE RF SIGNAL “OFF” TO RXS IN SOLO ZONE, RXS WILL ACT “OFF”. AND MASTER WILL BE BACK TO MAIN INTERFACE AND SHOWS “OFF” ICON “

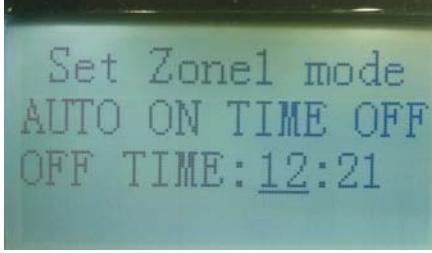
WHEN YOU CHOOSE “AUTO ON 4HRS OFF” MODE, AND ENTER TO EMIT THE RF SIGNAL TO RXS IN SOLO ZONE, RXS WILL BE ACT THE TIME ON DUSK OF AUTOMATICALLY AND TURN OFF 4 HOURS AFTER TURN ON. THE TIME OF “DUSK” IS CALCULATED AUTOMATICALLY BY MASTER. WHEN MASTER IS RUN BACK TO MAIN MENU AND SHOWS ICON “

WHEN YOU CHOOSE “AUTO ON 6 HRS OFF” MODE, AND ENTER TO EMIT THE RF SIGNAL TO RXS IN SOLO ZONE, RXS WILL BE ACT THE TIME ON DUSK OF AUTOMATICALLY AND TURN OFF 6 HOURS AFTER TURN ON. THE TIME OF “DUSK” IS CALCULATED AUTOMATICALLY BY MASTER. WHEN MASTER IS RUN BACK TO MAIN MENU AND SHOWS ICON “

WHEN YOU CHOOSE “AUTO ON 8 HRS OFF” MODE, AND ENTER TO EMIT THE RF SIGNAL TO RXS IN SOLO ZONE, RXS WILL BE ACT THE TIME ON DUSK OF AUTOMATICALLY AND TURN OFF 8 HOURS AFTER TURN ON. THE TIME OF “DUSK” IS CALCULATED AUTOMATICALLY BY MASTER. WHEN MASTER IS RUN BACK TO MAIN MENU AND SHOWS ICON “

WHEN YOU CHOOSE “AUTO ON 10 HRS OFF” MODE, AND ENTER TO EMIT THE RF SIGNAL TO RXS IN SOLO ZONE, RXS WILL BE ACT THE TIME ON DUSK OF AUTOMATICALLY AND TURN OFF 10 HOURS AFTER TURN ON. THE TIME OF “DUSK” IS CALCULATED AUTOMATICALLY BY MASTER. WHEN MASTER IS RUN BACK TO MAIN MENU AND SHOWS ICON “

ENTER



WHEN YOU CHOOSE “AUTO ON TIMER OFF” MODE, YOU CAN SET THE TIME OF TURN OFF. RXS WILL BE ACT THE TIME ON DUSK AND TURN OFF ACCORDING TO YOU NEED. WHEN MASTER IS RUN BACK TO MAIN MENU AND SHOWS ICON “

PAGE 5

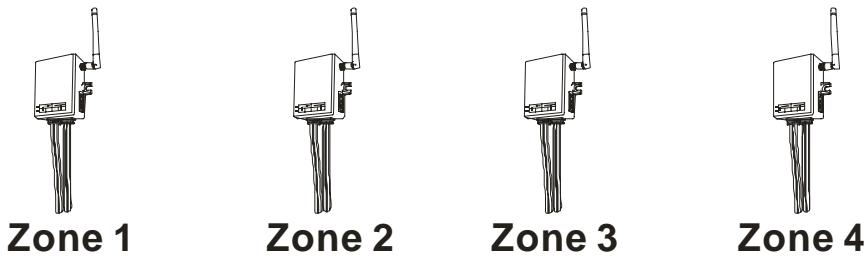
# MERLIN RECEIVER UNIT MANUAL

## ADDITIONAL CONTENT

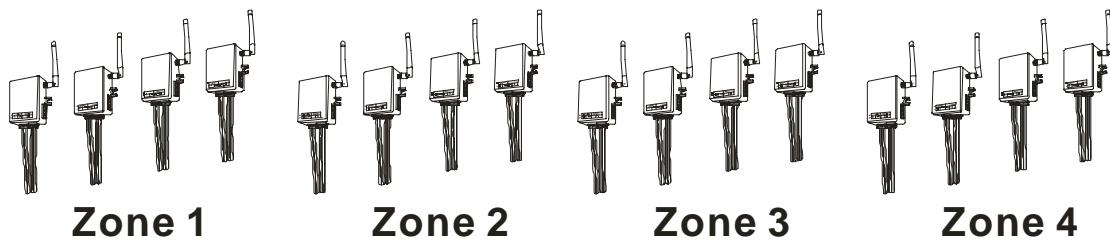
- Usage of Merlin Receiver Unit

You can set one or more Merlin Receiver units in one zone. It is free to set according to your need

a.



b.



- Signal Safety

Every TX controller, including of Merlin programmer and Merlin handheld Transmitter, has its independent address code system. It is the only identification for TX. After the operation of making connection with TX controller and RX controller, the address code system will be written into RX controller. Form then on, RX controller will be under controlled by TX controller. It will be assure your applicants to be protected by the safety independent code. Even though your neighbors have bought same Merlin series products, you don't worry about the devices will interrupt each other either.

- Accurate time setting

Merlin system has embedded the accurate Real Time Clock chip. It will be assured the timer function is much more accurate and much less mistaken.

- How to connect with Merlin Receiver and Merlin Handheld Transmitter or Merlin Programmer

a. How to connect Merlin Receiver with power

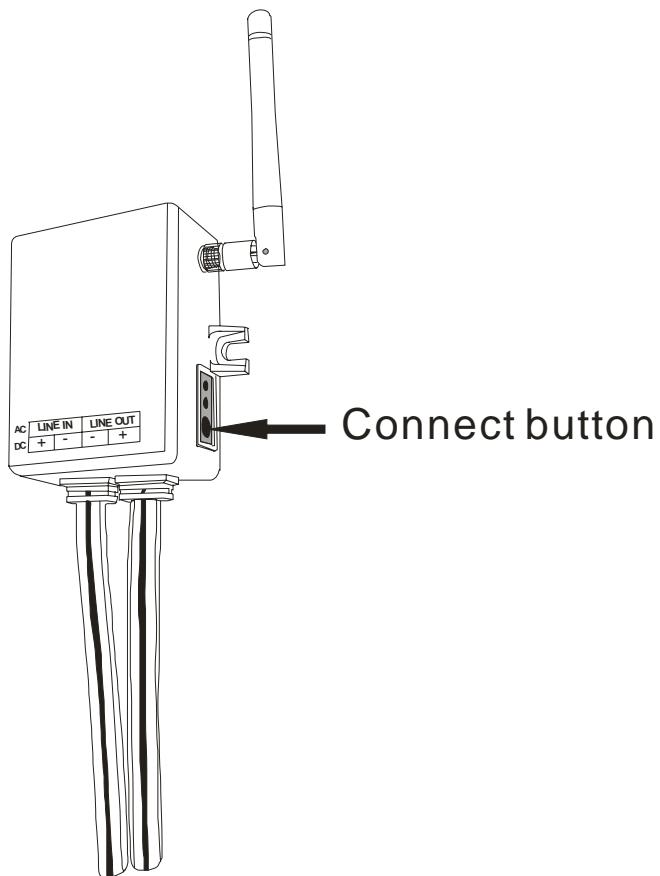
INPUT: 9V-15V (AC or DC), RECOMMEND INPUT: 12V

OUTPUT: 9V-15V (AC or DC) , MAX LOADED 25A

After you succeed to connect the power with Merlin Receiver, the GREEN indicated LED will be turn on and the RED indicated LED will be flashed frequently.

b. How to operate the Merlin Receiver to make connect

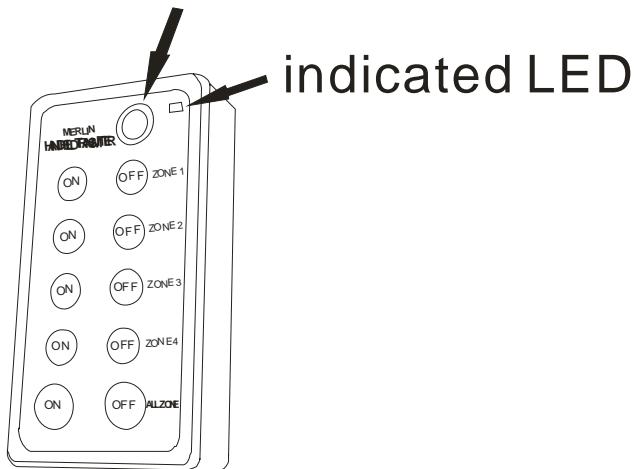
Long pressing the connect button till the RED indicated LED flashes 4 times, and then it will be turned off. Next step, you may operate the Merlin Receiver or Merlin handheld Transmitter. If the connection is successful, the RED indicated LED will be turn on and flashed frequently again. If the connection is fail, the Merlin Receiver will be withdrawn from the connection mode after 3 minutes automatically, and then the RED indicated LED will be turn on and flashed frequently again.



c. How to operate Merlin handheld Transmitter to make connect

Long pressing "ON" (ZONE 1 ,2,3,4) about 5 seconds. Which "ON" you choose, which zone will be set onto the target Merlin Receiver. If it successful, the GREEN indicated LED on Merlin handheld Transmitter, will be flashed 3 times and keep turning on. If not successful, Merlin handheld Transmitter will be withdrawn from the connection mode after 10 seconds automatically.

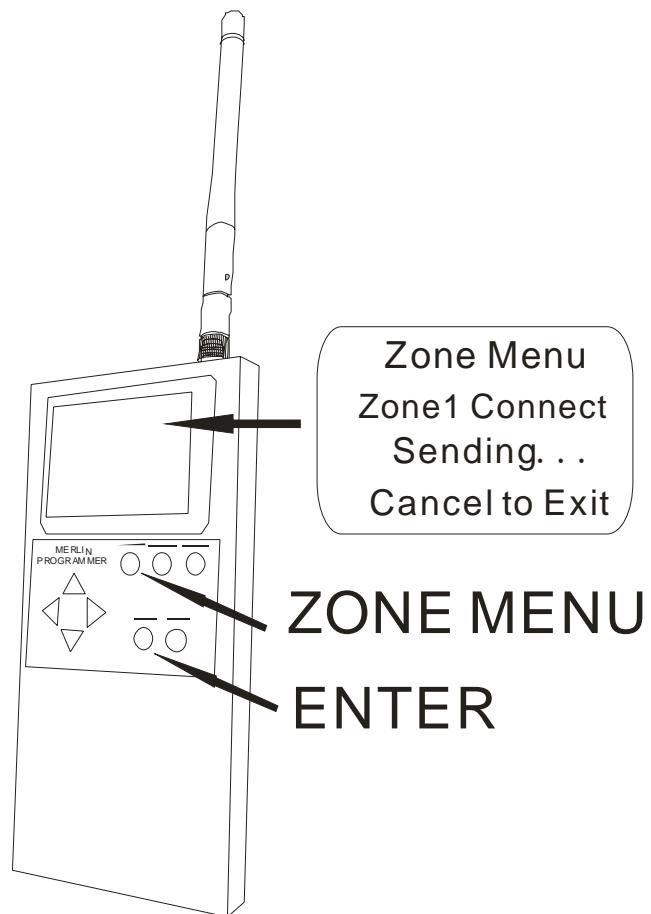
## ACTIVATED BUTTON



Attention: Please check the Merlin handheld Transmitter on activation status (the GREEN indicated LED turns on), before you operate.

### d. How to operate Merlin Programmer to make connect

After you finish the operation of Merlin Receiver, you can press the "Zone Menu" button, and then you will choose the zone1 or Zone2 or zone3 or zone4. When you press the "Enter", Merlin Programmer is starting to connect with Merlin Receiver. If the operation is successful, Merlin Programmer will shift to the Mail Menu. If it is not successful, Merlin Programmer will be withdrawn from the connection mode after 15 seconds automatically.



Note : Cet appareil est conforme à la Partie 15 des règlements de la FCC et aux normes RSS de l'Industrie du Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer des interférences nuisibles, et (2) cet appareil doit accepter toute interférence reçue, y compris les interférences qui peuvent provoquer un fonctionnement indésirable.

Le fabricant n'est pas responsable des toutes interférences radio ou télévision causées par des modifications non autorisées apportées à cet appareil. De telles modifications peuvent empêcher l'utilisateur d'utiliser l'appareil.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES AND INDUSTRY CANADA LICENSE-EXEMPT RSS STANDARD(S). 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.

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.