

## INSTRUCTION OF 4-CH HIGH MEMORY RECEIVER

**CHARACTERISTICS:** small and nice, easy to install and operate.

**USAGE:** we put connectors on PCB for you to connect wires and control home appliance, doors, bus etc.

**FREQUENCY:** 433.92mhz

**COMMUNICATION MODE:** ASK

**WORKING VOLTAGE:** DC/AC12-24V higher than 100MA

**STATIC CURRENT:** lower than 10MA

**CURRENT ON RELAY:** 20A/14DC 7A/120AC

**COMMUNICATION PROTOCOL:** HCS301

### **LED:**

It's green when in normal working state; if receive same manufacture code it'll be red.

### **1. CONTROL MODE:**

- A. S0 controls first channel, S1 controls second channel, S2 controls third channel, S3 controls fourth channel.
- B. CONTINUOUS/MOMENTARY OUTPUT OPTIONAL: if short circuit of the pin on PCB, it's momentary output; take off the pin and it's continuous output.

CONTINUOUS OUTPUT: press the button and the relay works; press again the relay stops working.

MOMENTARY OUTPUT: press one button, the relay works; the relay stops working once you release the button.

### **2. LEARNING CODE:**

#### **METHOD 1:**

VIA LEARNING BUTTON ON PCB: keep pressing learning button for 10 seconds and LED will flash 8 times, this means the original codes are deleted. Short press it and release, LED will light for about 8 seconds(if there's no signal input the learning state will stop), if there's signal input LED will stop light, this means the code has been learnt. You can only learn one code one time. You can learn 250 codes at most from the receiver.

Note: if the remote is rolling code, you'll have to twice press the learning button to learn the code.

#### **METHOD 2:**

VIA PROGRAMMER: connect USB, if LED light, LCD of the programmer shows "----", this means you've connect it correctly.

### **BUTTON FUNCTION OF PROGRAMMER:**

BUTTON 1: Check copying/ Learning/ Delete(one code)/ Check here/ Delete all codes

BUTTON 2: UP

BUTTON 3: DOWN

BUTTON 4: OK

MANU OF BUTTON 1: A. Check copying (system address search)

B. Learning

- C. Delete(delete code one by one)
- E. Check here(remote address search)
- Delete all codes

- A. Check copying (system address search). Press BUTTON 1 and choose A, press button OK, use BUTTON 2(UP) and BUTTON 3(down) to choose the code that you want(from 1-250). Ie. If you want to know if no. 121 has code in it or not, choose no. 121 and press OK, if there's code in it, LCD will show A888, if it's empty, LED will show A---
- B. Learning: Press BUTTON 1 and choose B, press button OK, use BUTTON 2 and BUTTON 3 to choose the address you want (1-250) and press OK to confirm. If LCD shows B888, this means there's code in this address, you'll have to delete it first. If the address is empty LCD will show B---. Now you can learn a new code by pressing any button of the remote, if LCD flashes 3 times, this means the code has been learnt.
- C. Delete(delete code one by one). Press BUTTON 1 and choose C, press button OK, use BUTTON 2 and BUTTON 3 to choose the address you want (1-250) and press OK to confirm. Then twice press OK and LCD will flash 8 times, this means the code is deleted.
- E Check here(remote address search): if you want to know the address of the remote in hand, Press BUTTON 1 and choose D, press button OK, then press any button of your remote, LCD will show the address of it.
- Delete all codes: if you want to delete all codes in the system, Press BUTTON 1 and choose "-", press button OK 3 times, LCD will flash 8 times and show ---, this means you've deleted all codes.

