

# KEYES Android smart home system

The core concept of smart home is to make it easy for people to enjoy life.

Going out, you can remotely control your home smart system by phone or computer, for example, open the air conditioner and water heater in your home on the way home. When you open the door, the Android password lock function is turned on, and the system will automatically open the electronic door lock. , security and disarming. Open the lighting fixtures and curtains at home to welcome your return. Back home, with Android phone you can easily control various electrical devices in the room, you can choose the preset lighting scene through the intelligent lighting system, create a comfortable and quiet study in the study; create a romantic lighting atmosphere in the bedroom... Everything, the owner can sit on the sofa and operate calmly. A controller can remotely control everything in the house, such as pulling curtains, releasing water to the bath and automatically heating and adjusting the water temperature, adjusting the state of curtains, lights and sound.

There are still many things that smart homes can do, and they are not exhaustive here. In short, the smart home system can have time to enjoy the comfort of life, while saving energy. As Bill Gates said: In the near future, homes without smart home systems will be as unpopular as homes that cannot be accessed today.

## Smart home system - casual lighting

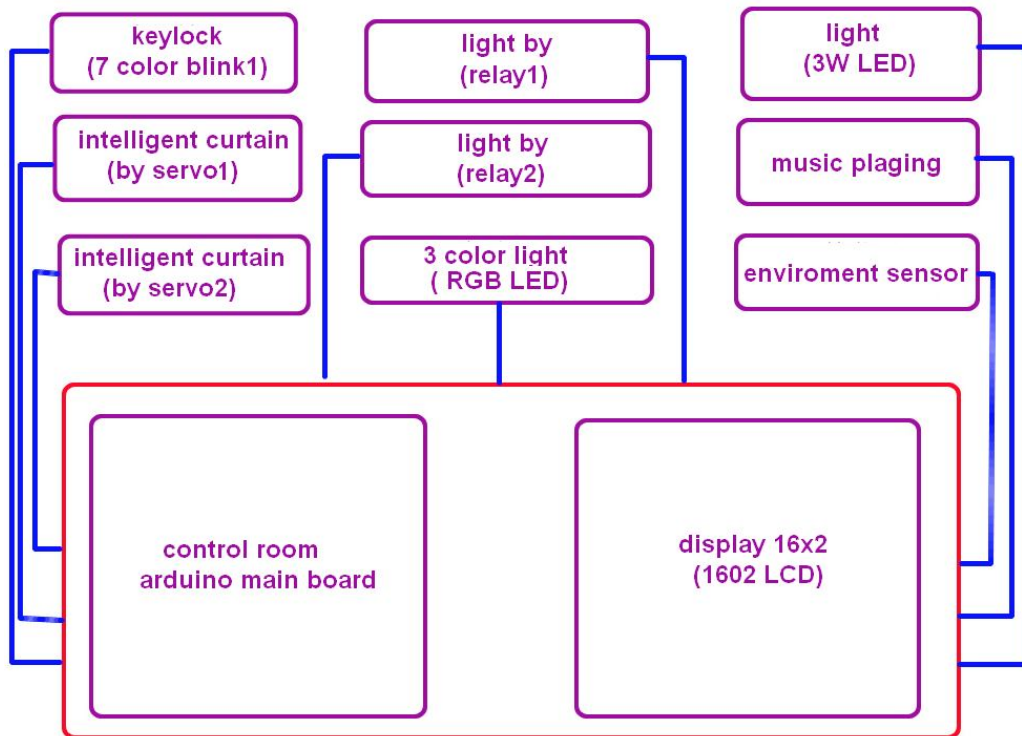
Control random lighting control, adjust the lighting of all rooms with a few button presses, all kinds of fantasy lights, you can create as you like! The intelligent lighting system has a soft start function, which can make the light become brighter and darker. The light adjustment lithography realizes the brightness and darkening function, so that you can share the warmth and romance with your family, and at the same time have the effect of energy saving and environmental protection; It is easy to realize one-button full-off and one-button full-open function of lamps and appliances, and has brightness memory function.

## Smart Home System - Scalability

The smart home system is an expandable system. Initially, your smart home system can be connected only to lighting equipment or currently used electrical equipment, and can be connected to other equipment in the future to meet the needs of new smart living. Even if your home has been renovated, it can be easily upgraded to a smart home. The wirelessly controlled smart home system can not damage the original decoration, as long as the corresponding modules are installed in some sockets, etc., the intelligent control can be realized, and the original wall of the house will not be damaged. The smart home kit for simulation teaching developed by the research and development team of Keyi, the Android part is operated by serial data transmission software, and the control part is controlled by ARDUINO microcontroller. The purpose is to let everyone know the smart home system in this way.

# arduino HOME CONTROL

## — bluetooth control



## Smart home system - eight modes eight mode

Mode 1: Switch mode 1: on/off mode

Switch relay

Light switch

3. Switch buzzer buzzer on/off

Mode 2: PWM mode 2: PWM mode

1. RGB light PWM RGB light control

2. 3W LED PWM mode 3W LED PWM

Mode 3: Loop Mode 3: cycling mode

1. Red, blue and green mode RED BLUE GREEN

2. Green blue red mode GREEN BLUE RED

Mode 4: Display mode 4: display mode

You can type in English or numeric to display it. display English or numeric

figure which input

### 5: password

setup password

### 6: password entry

password entry

### 7: servo mode

1. angle adjust

2. — one key reset

### 8: collection mode

CDS signal collection