IR Remote Control	

1.Description

When doing DIY experiments, we often use remote control to control the state of other electronic components.
Among them, IR remote control is the most commonly used We specially design this kit which contains an IR remote control and an infrared receiving module. At the same time, in order to facilitate wiring and demonstration, we also provide an LED component, a 220 ohm plug-in resistor, 1 small breadboard, 2 male-male DuPont wires and 3 male-to-female DuPont wires.

Components

IR Remote Control：
IR control distance: more than 8m (related to the surrounding environment and the sensitivity of the receiving end)
Effective angle: 60 degrees
Transmitter infrared wavelength: 940Nm
Crystal frequency: 455KHz crystal
Carrier frequency: 38KHz
Encoding: The encoding format is NEC
Size: 86*40*6.5mm
Working current: static current 3-5uA, dynamic current 3-5mA Battery model: CR2025 eco-friendly button battery with a capacity of 160mAH

IR receiving module:
③Working voltage: DC 3.3-5V
③Interface: 3PIN interface (2.54mm pitch)
③Output signal: digital signal
③Receiving angle: 90 degrees
③Frequency：38KHz
③Encoding: The encoding format is NEC
③Size: 86*40*6.5mm
③Working current: static current 3-5uA, dynamic current 3-5mA
③Battery model: CR2025 environmentally friendly button battery with a capacity of 160mAH
③Infrared receiver module parameters:
③Working voltage: DC 3.3-5V
③Interface: 3PIN interface (2.54mm pitch)
③Output signal: digital signal
③Receiving angle: 90 degrees