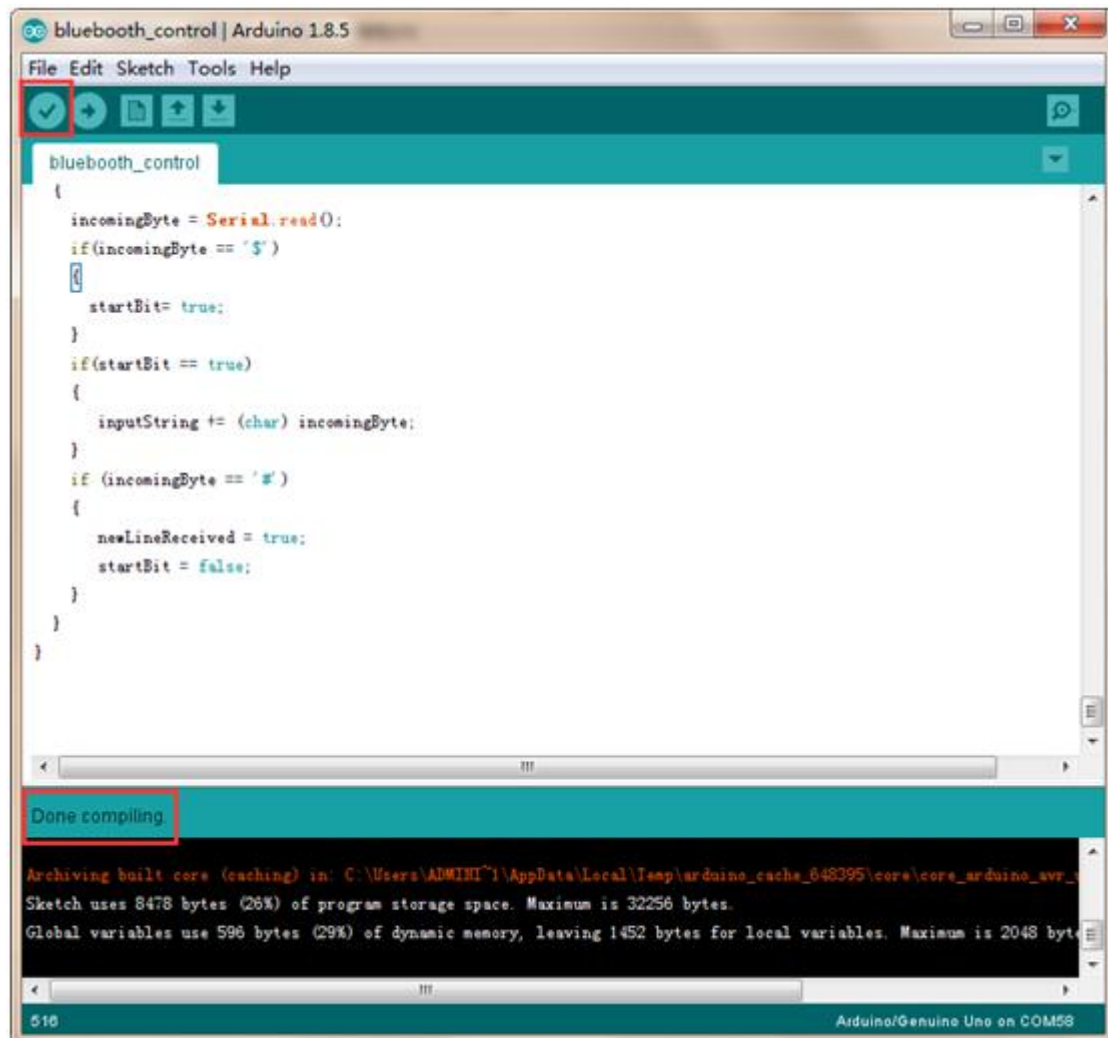


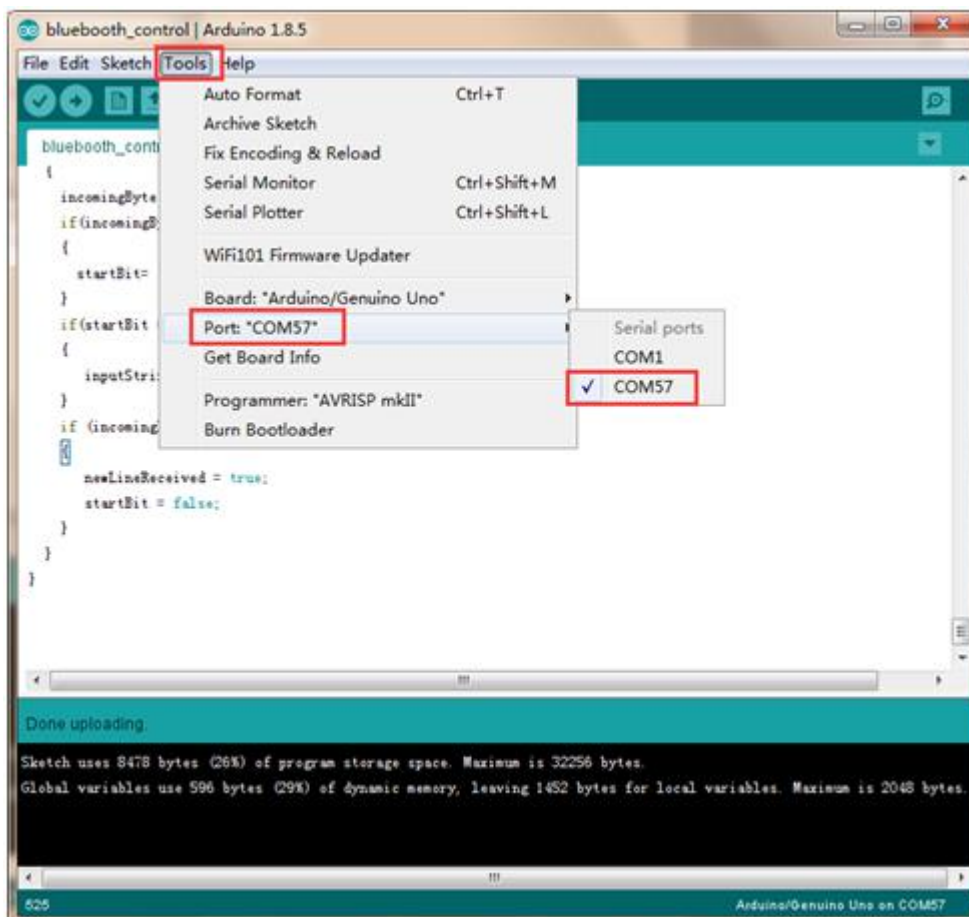
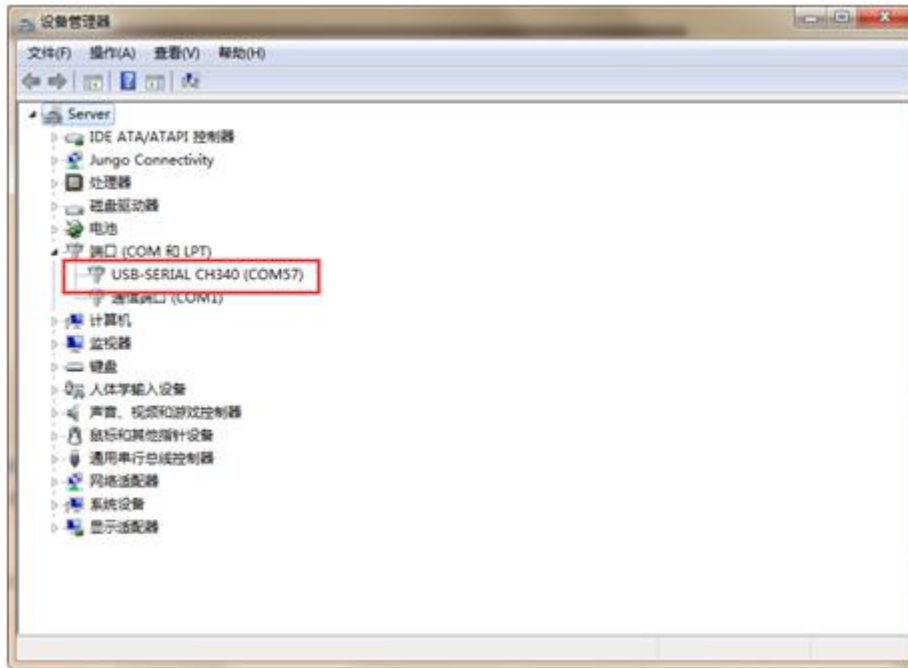
14 bluebooth_control

Experimental steps:

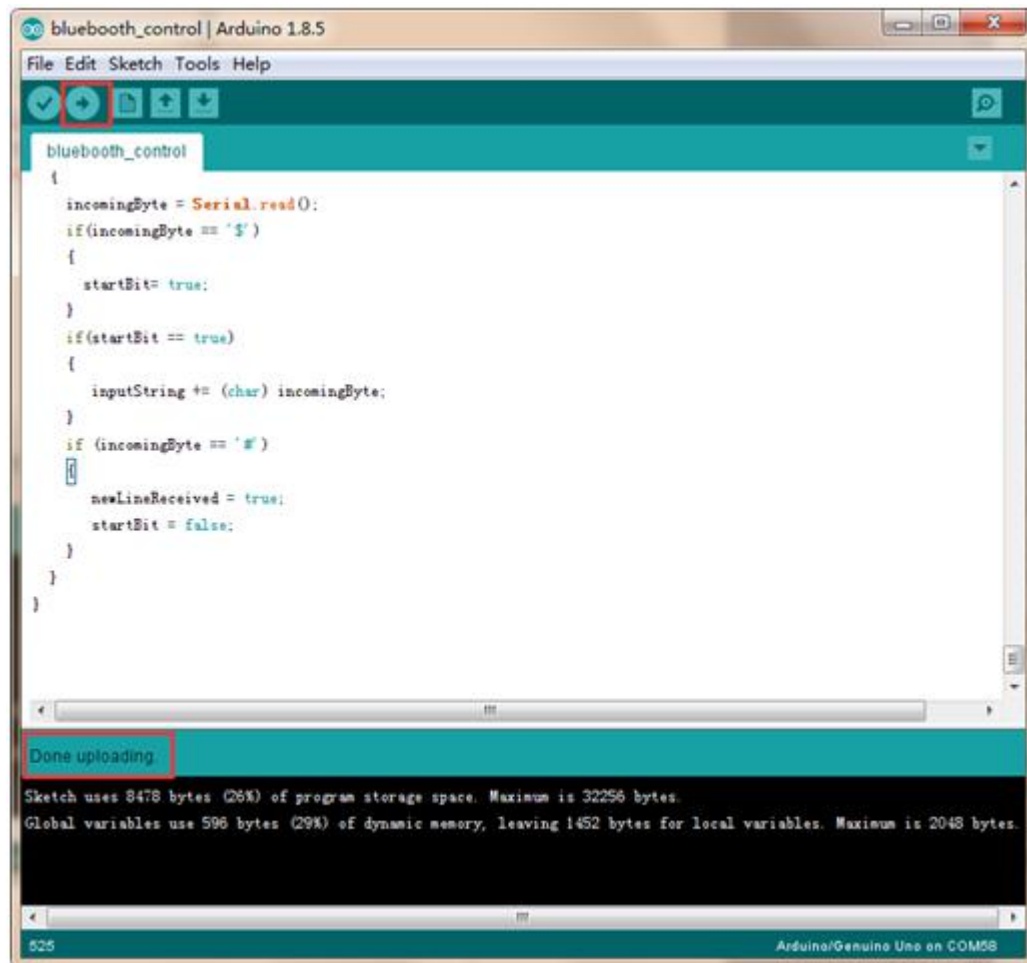
1. We need to open the code of this experiment: **bluebooth_control.ino**, click "✓" under the menu bar to compile the code, and wait for the word "**Done compiling**" in the lower right corner, as shown in the figure below.



2. In the menu bar of Arduino IDE, we need to select **Tools** --- **Port** --- selecting the port that the serial number displayed by the device manager just now, as shown in the figure below.

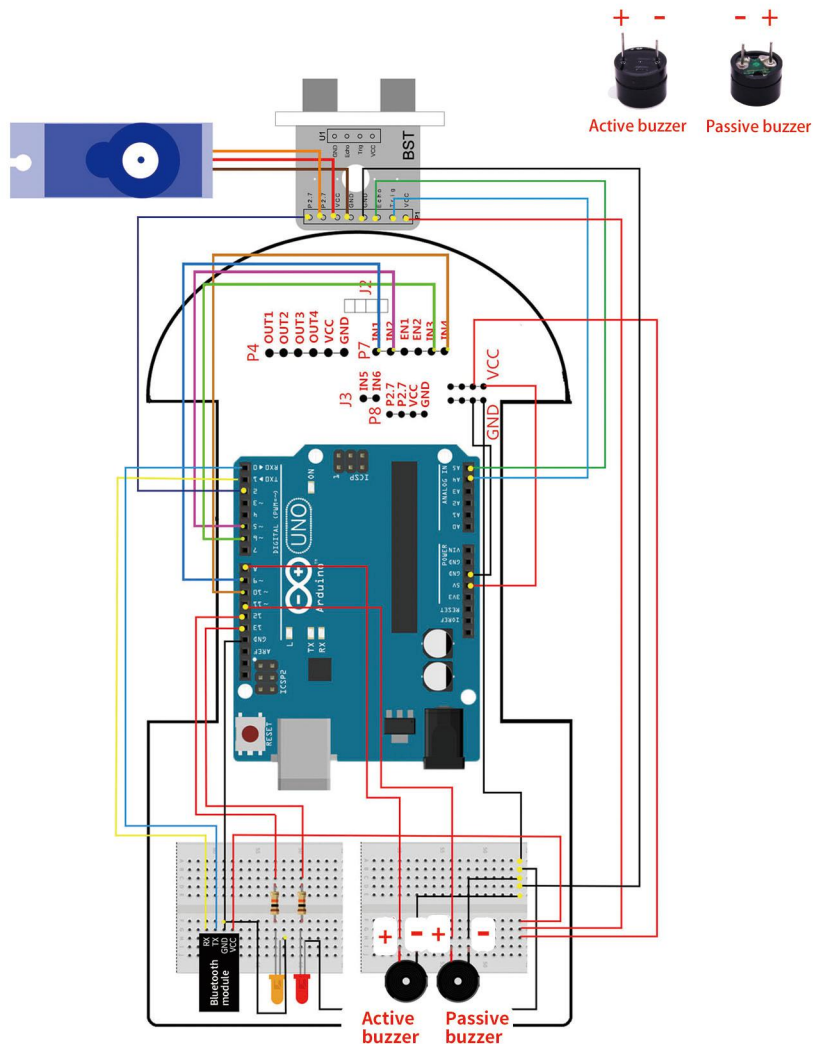


3. After the selection is completed, you need to click “→” under the menu bar to upload the code to the Arduino UNO board. When the word **“Done uploading”** appears in the lower left corner, the code has been successfully uploaded to the Arduino UNO board, as shown in the figure below.



4. Please wire the Smart Car as shown below.

4.8 Bluetooth remote control wiring diagram



As the Bluetooth module and the serial port of the writer share the IO ports 0 and 1, it will cause failure in burning. Please remove the VCC of the Bluetooth module power supply before burning, and then supply power to the Bluetooth module after finishing.

//////////////////////////////////// **15** //////////////////////////////////////

5.As the Bluetooth module and the serial port of the writer share the IO ports 0 and 1, it will cause failure in burning.Please remove the VCC of the Bluetooth module power supply before burning, and then supply power to theBluetooth module after finishing.

6.

Arduino smart car(with bluetooth)

1.Package list

Arduino smart car(standard) + Bluetooth module

2.Introduction

The Arduino Smart Car (Bluetooth Version) has a Bluetooth module added to the standard configuration. Users can use the APP we provide to perform Bluetooth remote control. The Bluetooth remote control includes controlling the car's front, rear, left and right travel, adjusting the speed, and rotating. Smooth operation, good experience, suitable for users who need to play with remote control cars. The current APP program only supports Android phones.


3.Bluetooth remote control instructions



- ①First, connect the car according to the Bluetooth experiment wiring diagram P15.
- ②Turn on the smart car to ensure the power of the Bluetooth module is normal (the light of the Bluetooth module is blinking)
- ③Open the Bluetooth of the mobile phone and find the Bluetooth module device in the Bluetooth settings. Click to enter the password: 1234.

- ④Open Bluetooth App, remote control interface is as follows. If the Bluetooth function is not enabled on the phone, the display button next to the "Bluetooth switch" is dark. Click to open, as shown in the photo

 Bluetooth
(Bluetooth can also be set in the mobile system)

- ⑤Click "Search"
- ⑥Click the drop-down button  to select the physical address of the connected Bluetooth module
- ⑦Click "connect" . You will be prompted after successful connection. If the connection fails, you return to the first



step to check and try to reconnect.

ReadMe

!!!Note:If you want to upload the code, you need to remove the Bluetooth module.