## **Question 1**

If you see below characters when compiling program:

Lesson3

Infrared Remote Control Car\Infrared\_remote\_control\_car\Infrared\_remote\_control\_car.ino:4:22: fatal error: IRremote.h: No such file or directory

compilation terminated.

<mark>exit status 1</mark>

Error compiling for board Arduino/Genuino Uno.

ermissive -fno-exceptions -ffunction-sections -fdata-sections -fno-threadsafe-statics -flto -w -x c++ -E -CC -mmcu=atmega328p -DF\_CPU=16000000L -DARDUIN0=1061 #Lesson 3 Infrared Remote Control Car\Infrared\_remote\_control\_car\Infrared\_remote\_control\_car.ino:4:22: fatal error: IRremote.h: No such file or directory

It means you didn't load up the correct library, which you can find in our material in CD and the right procedures to load up are as follow:

oo Infrared_rei							
<u>File Edit Sketch T</u> ools <u>H</u> elp							
00	Verify/Compile	Ctrl+R	<b>.</b>				
	Upload	Ctrl+U					
Infrared	Upload Using Programmer	Ctrl+Shift+U					
1 // <u>ww</u>	Export compiled Binary	Ctrl+Alt+S	\$				
Error com	Show Sketch Folder	Ctrl+K	Copy error messages				
	Include Library		>				
	Add File						
			E				
C:\Program Files (x86)\Arduino\arduino-builder -dump-prefs -logger=machine -h:							
C.\Frogram Files (X86)\Arduino\arduino-builder -compile -logger=machine -hardu Msing board 'uno' from platform in folder: C.\Program Files (x86)\Arduino\bar							
Using core 'arduino' from platform in folder: C:\Program Files (x86)\Arduino\]							
Detecting libraries used							
"C:\Program Files (x86)\Arduino\hardware\tools\avr/bin/avr-g++" -c -g -Os -w -							
"C:\Program Files (x86)\Arduino\hardware\tools\avr/bin/avr-g++" -c -g -Os -w -							
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Arduino/Genuino Uno on COM266							



Add .ZIP Library Arduino libraries ArduinoCloud ArduinoHttpClient	
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Esplora	
Firmata	
HID	
Keyboard	
MIDIUSB	
Madgwick	
Mouse	
Robot Control	
Robot Motor	
Servo	
SoftwareSerial	
SpacebrewYun	
Temboo	
Recommended libraries	
Adafruit GFX Library	
Adafruit PWM Servo Driver Libr	ary
Verify/Compile Ctrl+R Adafruit SoftServo	
Upload Ctrl+U	
Upload Using Programmer Ctrl+Shift+U	
Export compiled Binary Ctrl+Alt+S	
Show Sketch Folder Ctrl+K Ethernet	
Include Library GSM	
Add File 🔻	

 $\triangle$ 

 $\Delta$ Manage Libraries...

Add .ZIP Library...

Arduino libraries



## Http://www.elegoo.com

💿 Select a zip file	or a folder cont	aining the library you'd like to add	×
Look in:	]] Lesson 3 Inf	Grared Remote Control Car 🔹	🏂 📂 🛄 -
最近使用 最近使用 桌面	<ul> <li>infrared_Blin</li> <li>Infrared_rem</li> <li>Module spece</li> <li>IRremote.zip</li> </ul>	k iote_control_car ification document	
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Library added Restart IDE the Using library IR	to your libra en you can ( emote in folder	ries. Check "Include library" menu compile the program successfully. r: F:\360data\重要数据\我的文档\Arduino\libraries\IRremote (Leg	acy)
Sketch uses 7,308 Global variables	bytes (22%) o: use 459 bytes	f program storage space. Maximum is 32,256 bytes. (22%) of dynamic memory, leaving 1,589 bytes for local variable:	≡ s. Maximum is 2,048 by∙ ▼
1		Arduino	)/Genuino Uno on COM266

## **Question 2**

If you see below characters when compiling program,

C:\Program Files (x86)\Arduino\libraries\RobotIRremote\src\IRremoteTools.cpp:5:16: error: 'TKD2' was not declared in this scope

int RECV\_PIN = TKD2; // the pin the IR receiver is connected to

Using library RobotIRremote at version 1.0.2 in folder: C:\Program Files (x86)\Arduino\libraries\RobotIRremote exit status 1 Error compiling for board Arduino/Genuino Uno.

^



It means there is an old library in your IDE——RobotIRremote, and there is a file in it which is <IRremoteTools.cpp>. When compiling program in IDE, it will use the old version IRremoteTools .cpp first, which could lead to some errors and there are 2 solutions in general:

- 1. Load up the new library as instructed in Question 1 and restart IDE then IT will use the new library to compile the program.
- If the first solution doesn't work, then go to the Arduino library folder and delete RobotIRremote. You can find its directory path in the error info like the one above C:\Program Files (x86)\Arduino\libraries\RobotIRremote。 Find it, delete it and compile the program again then you can run the program without any issues.



Using library IRremote in folder: F:\360data\重要数据\我的文档\Arduino\libraries\IRremote (legacy)

Sketch uses 7,308 bytes (22%) of program storage space. Maximum is 32,256 bytes. Global variables use 459 bytes (22%) of dynamic memory, leaving 1,589 bytes for local variables. Maximum is 2,048 bytes.