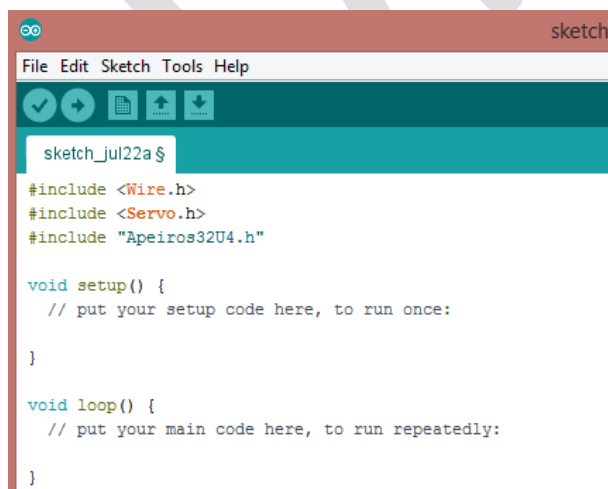


Apeiros Robot Beta Test Plan

Follow the "Apeiros_Robot_Install_and_Setup.pdf" to get Apeiros Robot along with your laptop/PC ready for testing. If you encounter or observe any issues or concerns along the way, then please be sure to document these in writing and collect screenshots whenever possible. Once you have completed the install and setup process then go through the steps listed below. Be sure to access the example programs from within the Arduino IDE by selecting: **File -> Examples -> Apeiros32U4-Arduino** and finally select a program.

- 1) Go through each of the (10) supplied example programs and verify functionality by compiling, uploading and then testing on Apeiros Robot.
 - a) Apeiros32U4_Battery_Level, Apeiros32U4_Encoders (requires encoder hardware), Apeiros32U4_Gripper, Apeiros32U4_LCD, Apeiros32U4_LED_Lights, Apeiros32U4_Light_Tracking, Apeiros32U4_Obstacle_Avoidance, Apeiros32U4_Play_Buzzer, Apeiros32U4_Push_Button, Apeiros32U4_Run_Away.
- 2) Go through each of the example programs and customize them in some way of your choice. Test each program change to be sure that functionality is maintained.
- 3) Finally, create (3) new programs from scratch by using **File -> New** from within the Arduino IDE. Your program must have the (3) **#include** statements as shown in Figure 1 below. You can have the #include statements automatically added by selecting **Sketch -> Include Library -> Apeiros32U4**. Or you can manually add them.



```
sketch_jul22a $
#include <Wire.h>
#include <Servo.h>
#include "Apeiros32U4.h"

void setup() {
  // put your setup code here, to run once:
}

void loop() {
  // put your main code here, to run repeatedly:
}
```

Figure 1. New Apeiros Robot program.

- 4) Please send your test results to abe@abotics.com.

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