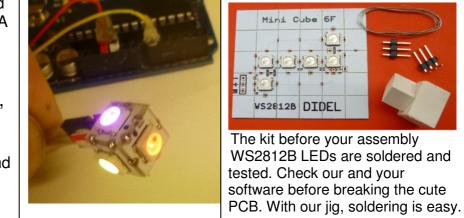
In French: http://www.didel.com/Cube6fr.pdf

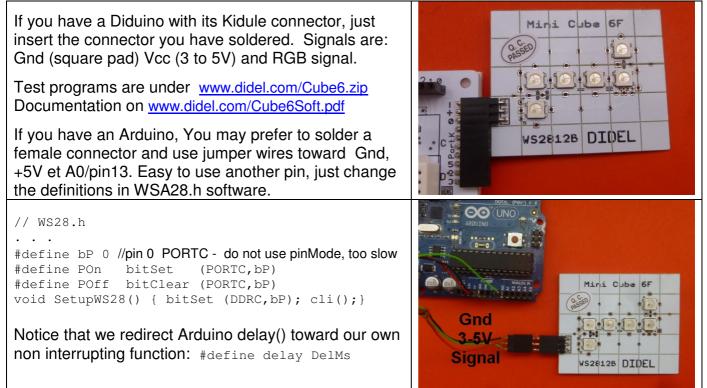


Assemble an RGB strip shaped as a cube 12mm outside size. A smart design makes it easy to test, assemble and solder. It is controlled by a single line of you Arduino, Raspy, Lolin, etc. card. It works from 3 to 5V. There are 5 WS2812B Leds and you can use Neopixel software or our much more compact software

A 6 Leds RGB Minicube



Initial test



Soldering the kit



First step, stick the faces on the jig. Use rather thick white glue. Put with the tip of a pin a very small drop on the 4 side faces.	Image: Window Stress Image: Window Stress Image: Window Stress Image: Window Stress Image: Window Stress Image: Window Stress
Before the glue hardens, position the faces. Look from above to center the faces. Check that each square is well seated on the base. Check the alignment marks. Wait until the glue dries.	
With a soldering iron not too hot, put a drop solder to join the half-holes. Touch with the tip of the iron the bottom of the hole before pushing about 10mm of thin solder, 0.35mm in diameter. The block is lying on its side, as you see.	
Glue, wait and weld the top (check the mark).	With a razor blade, separate the cube.
Weld the underside by holding the cube in a bucket or clothespin. Provisionally solder 3 "jumper wires" of the right color. Gnd at the center, + towards the mark.	

Run a test programs. If not good, check the welds with a magnifying glass by lighting at different angles with a flashlight..

Decide on the final wiring. A connector is supplied with the pitch of 1.25mm (if the tip of your iron must be very fine). Thin magnet wires are less visible, but be careful with the wiring. See again www.didel.com/Cube6Soft.pdf







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