



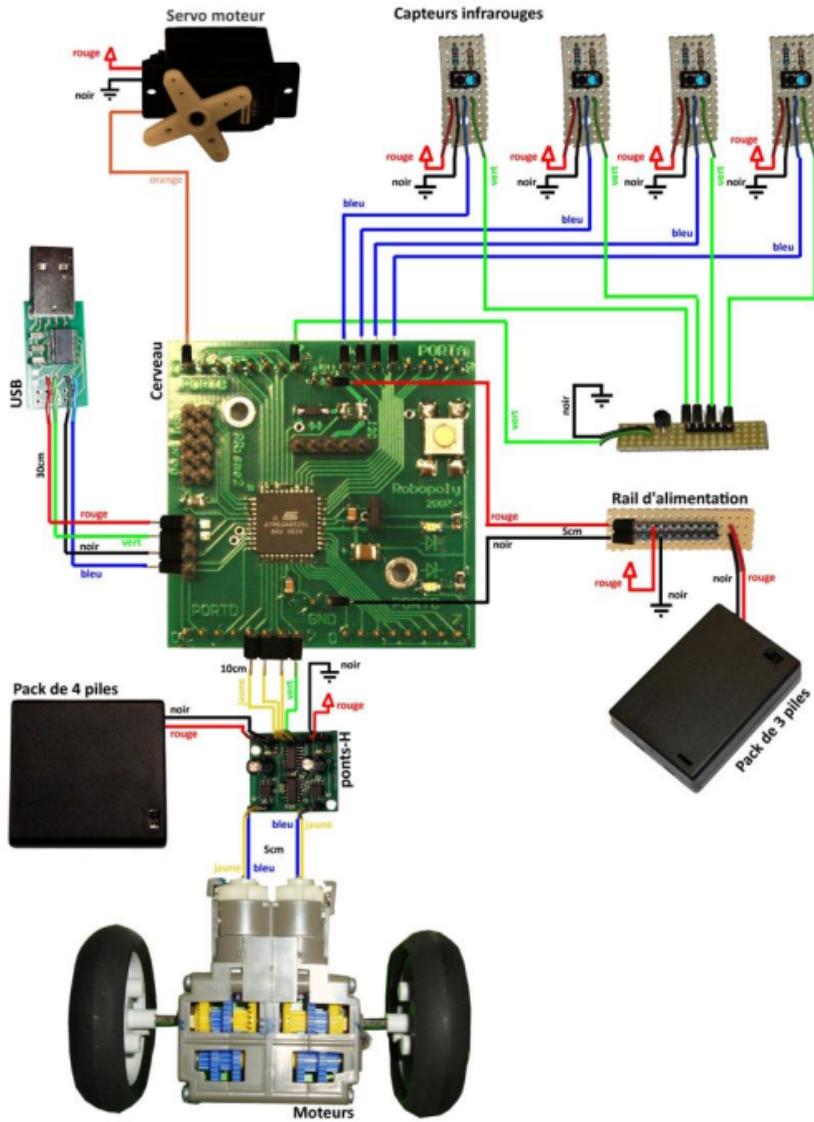
PRESENTATION DES ELEMENTS DU KIT PRISME

SOUDURE

PROGRAMMATION



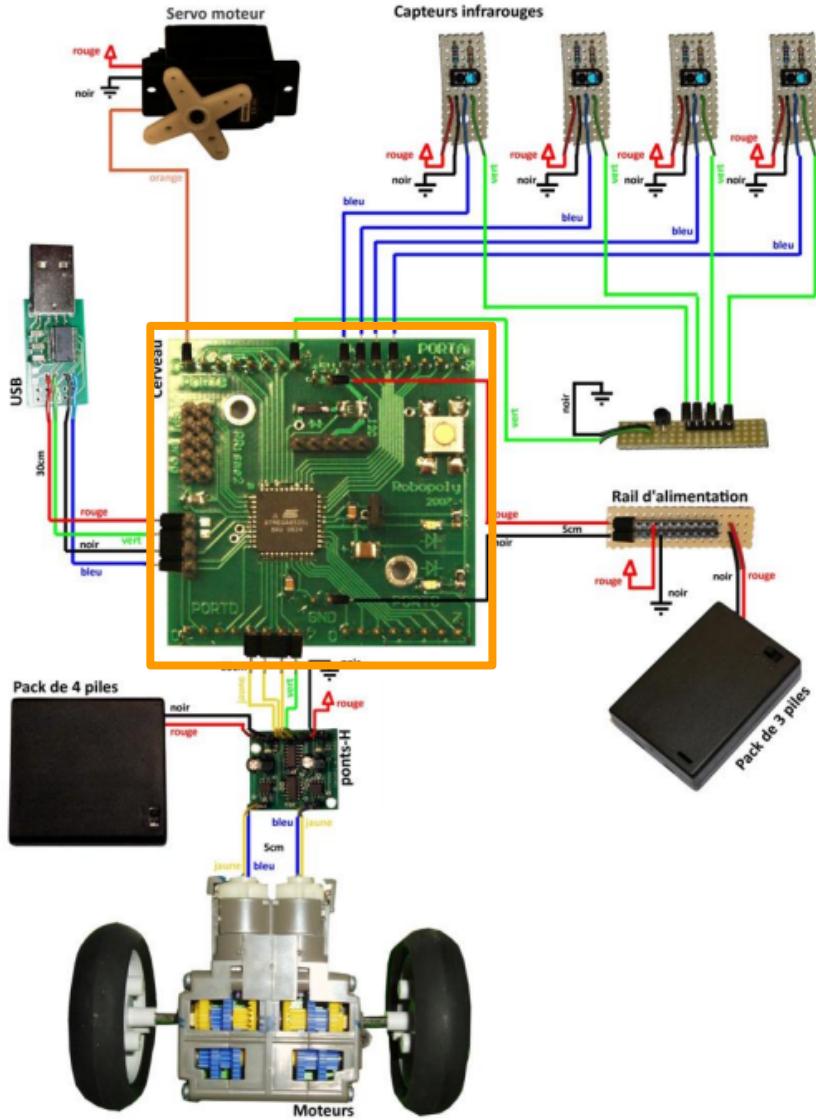
Présentation du kit PRisme





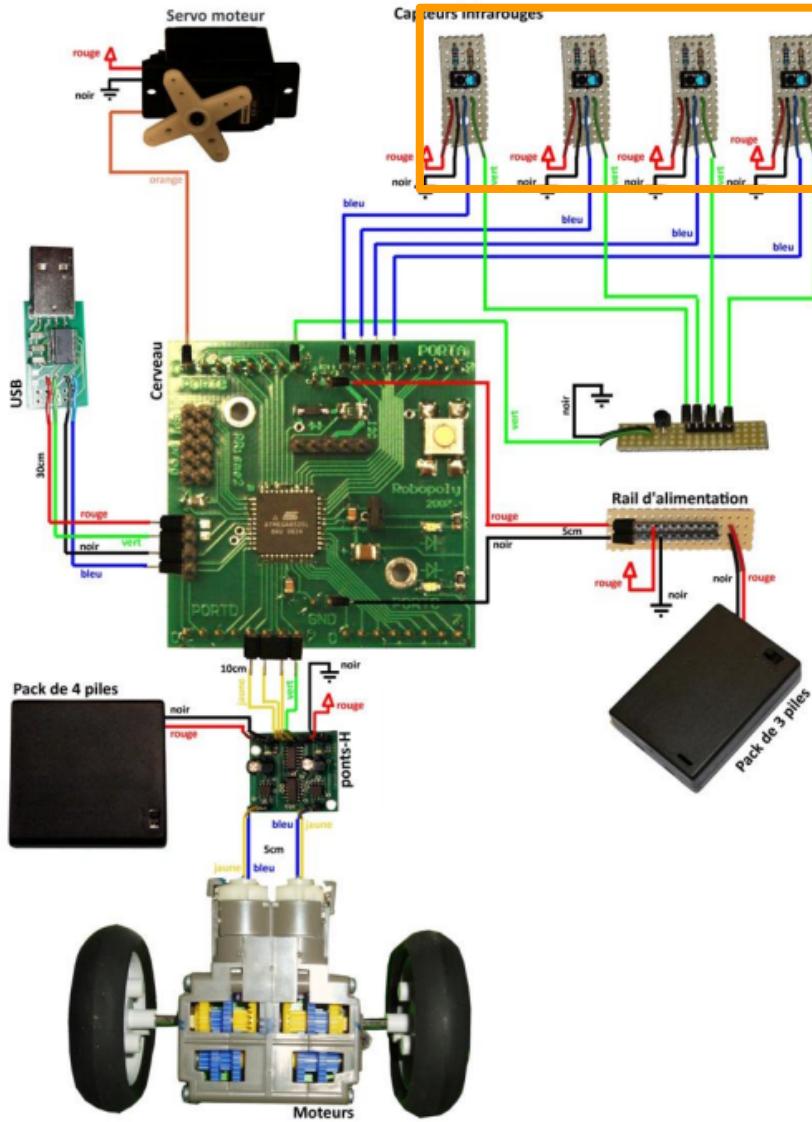
Présentation du kit PRisme

1. Cerveau





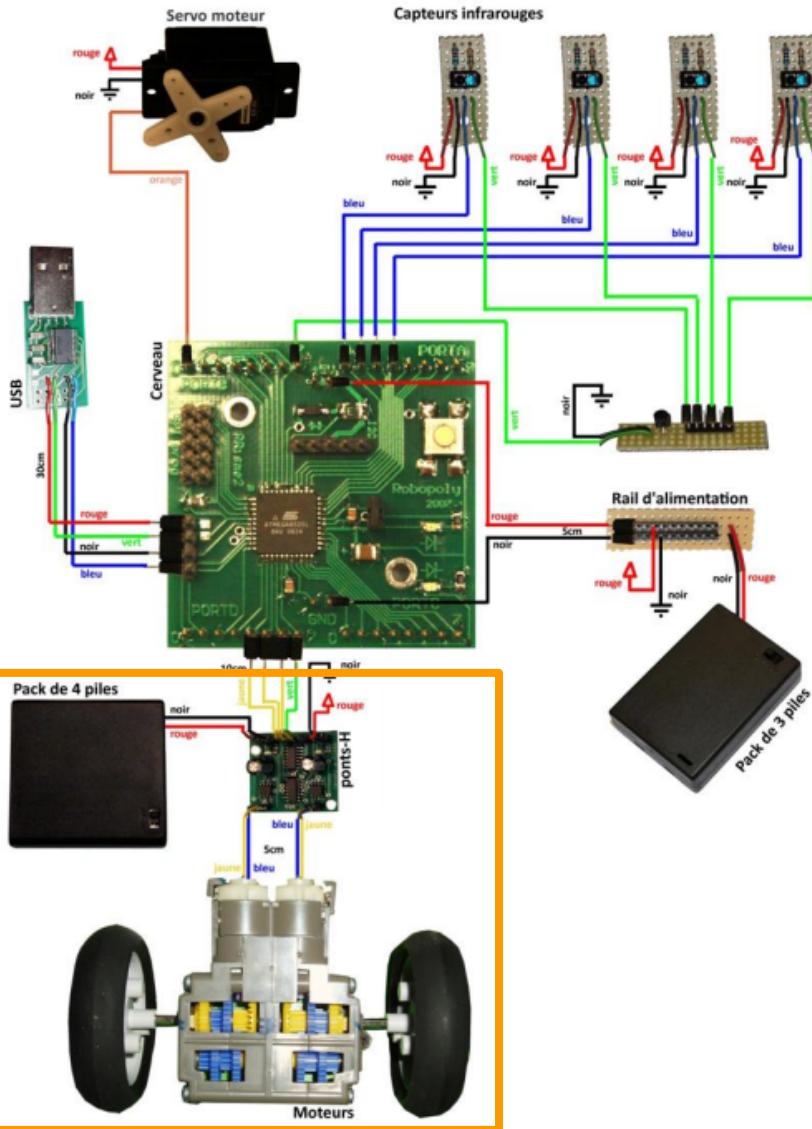
Présentation du kit PRisme



1. Cerveau
2. Capteurs IR



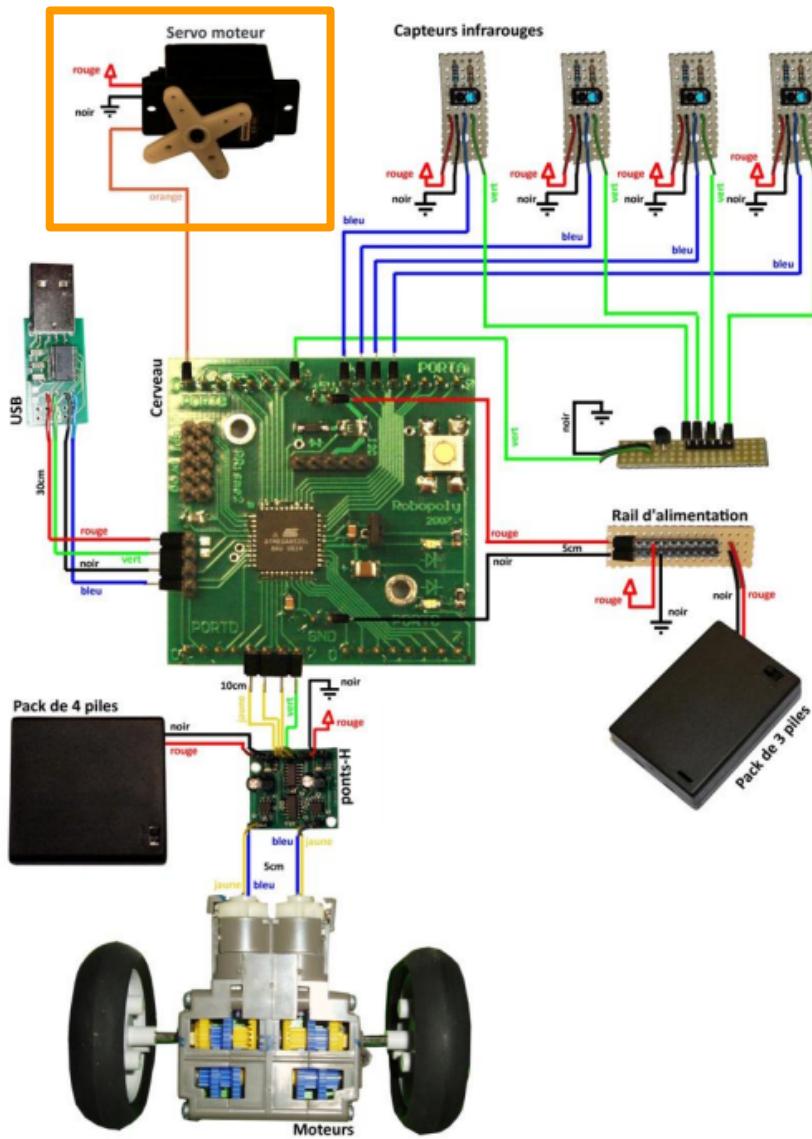
Présentation du kit PRisme



1. Cerveau
2. Capteurs IR
3. Moteurs



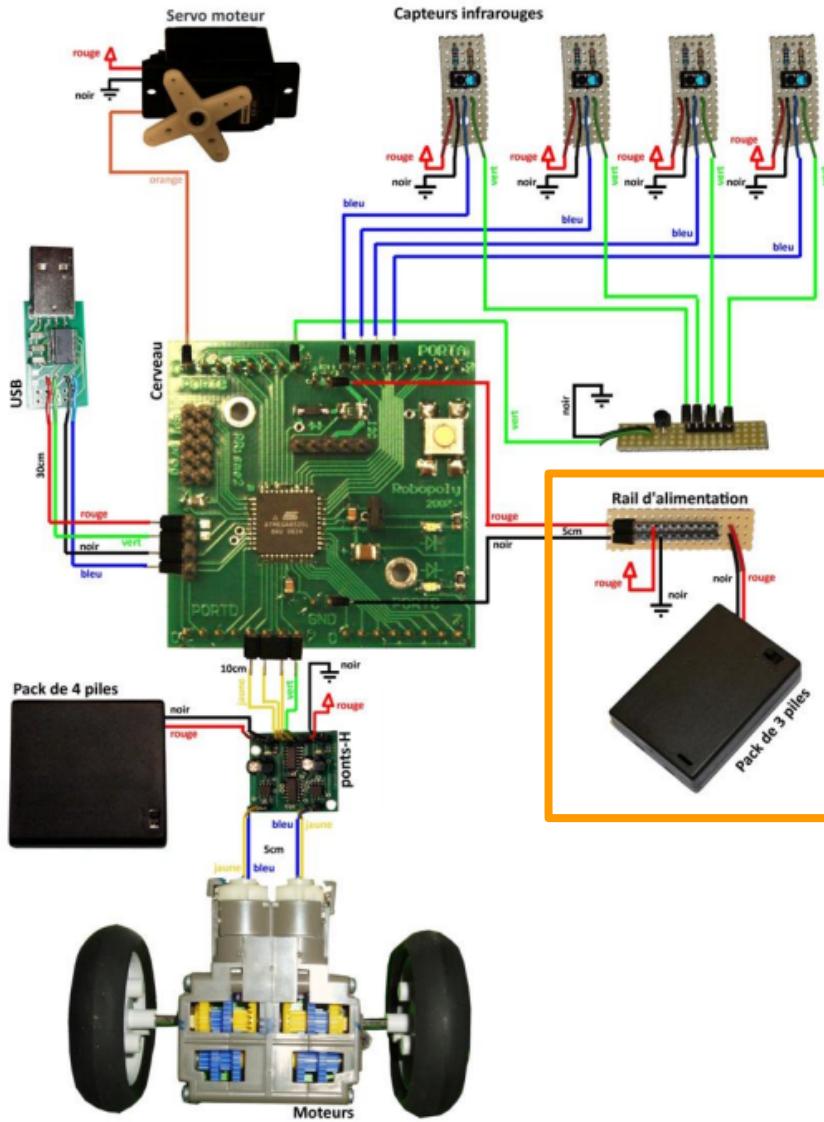
Présentation du kit PRisme



1. Cerveau
2. Capteurs IR
3. Moteurs
4. Servomoteur



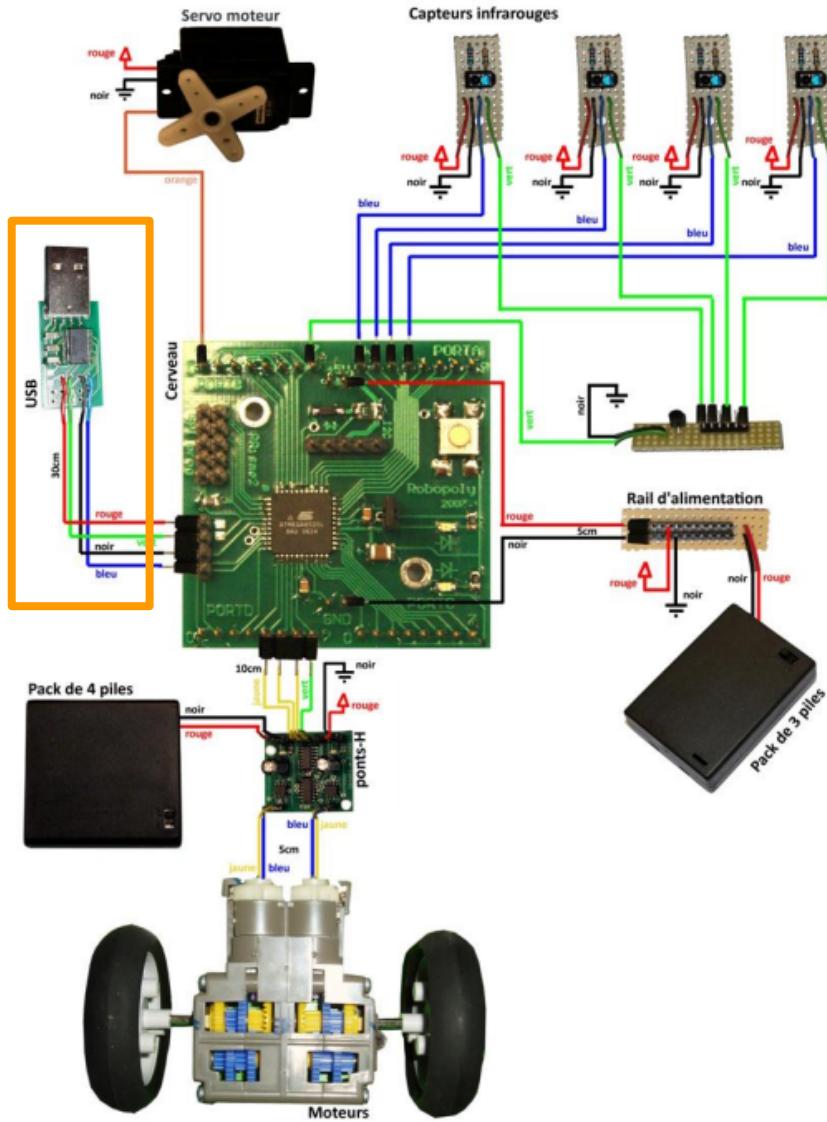
Présentation du kit PRisme



1. Cerveau
2. Capteurs IR
3. Moteurs
4. Servomoteur
5. L'alimentation



Présentation du kit PRisme



1. Cerveau
2. Capteurs IR
3. Moteurs
4. Servomoteur
5. L'alimentation
6. Programmateur



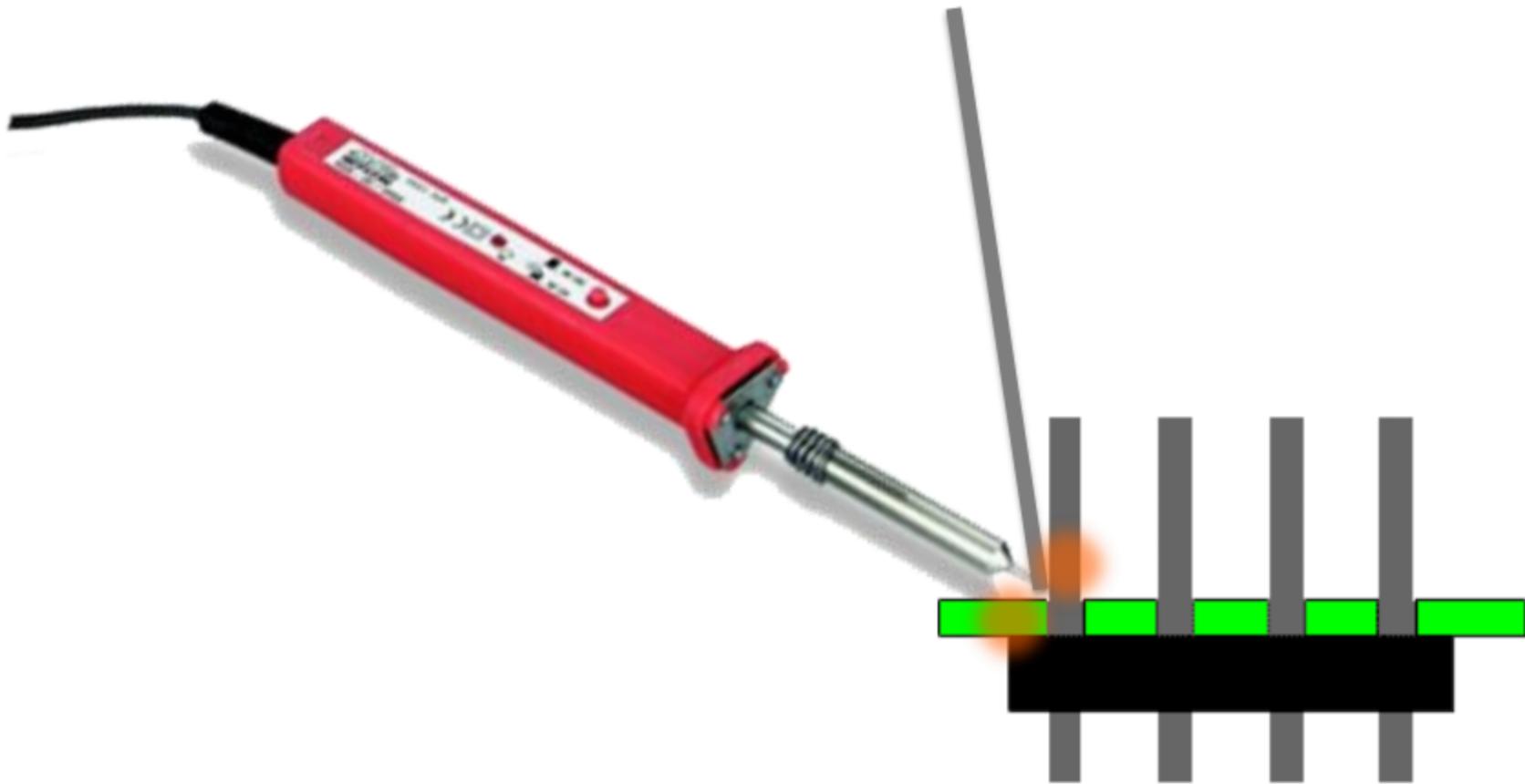
PRESENTATION DES ELEMENTS DU KIT PRISME

SOUDURE

PROGRAMMATION

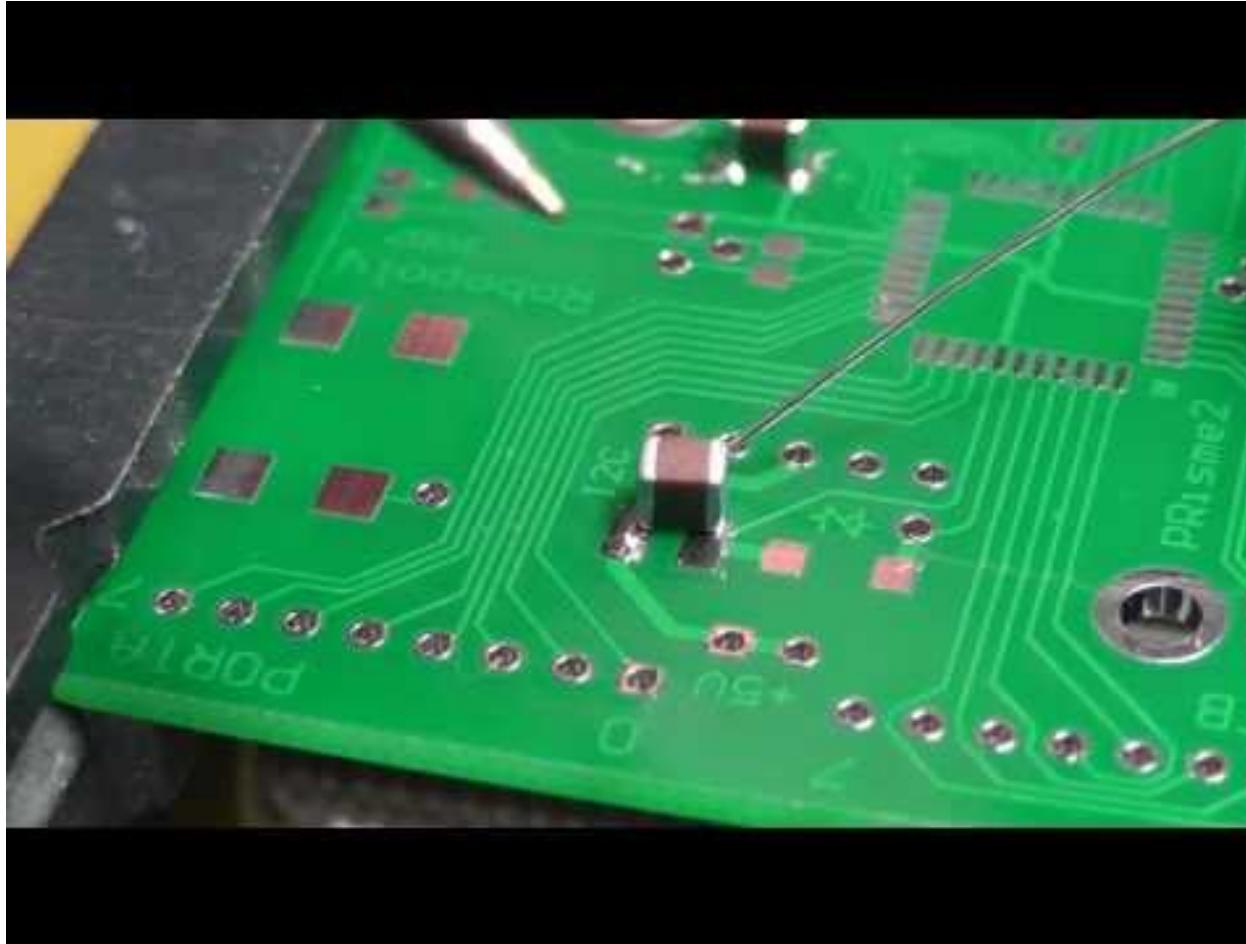


Comment souder?





Comment souder?

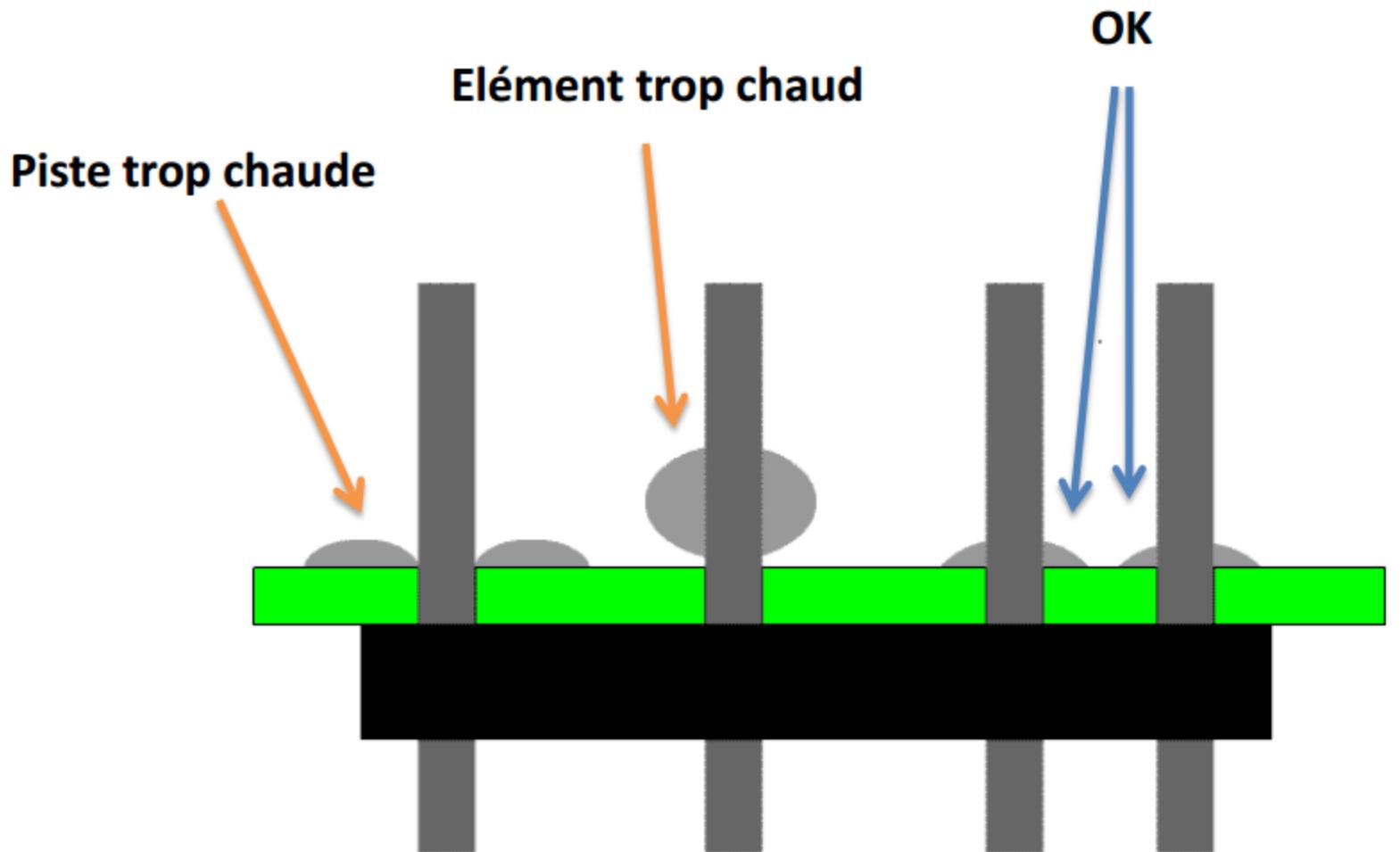


Video de la soudure d'une SMD (Surface Mounted Device)

<http://www.youtube.com/watch?v=Ewz7TdvbHxo>



Comment souder des pins?





Comment souder des pins?

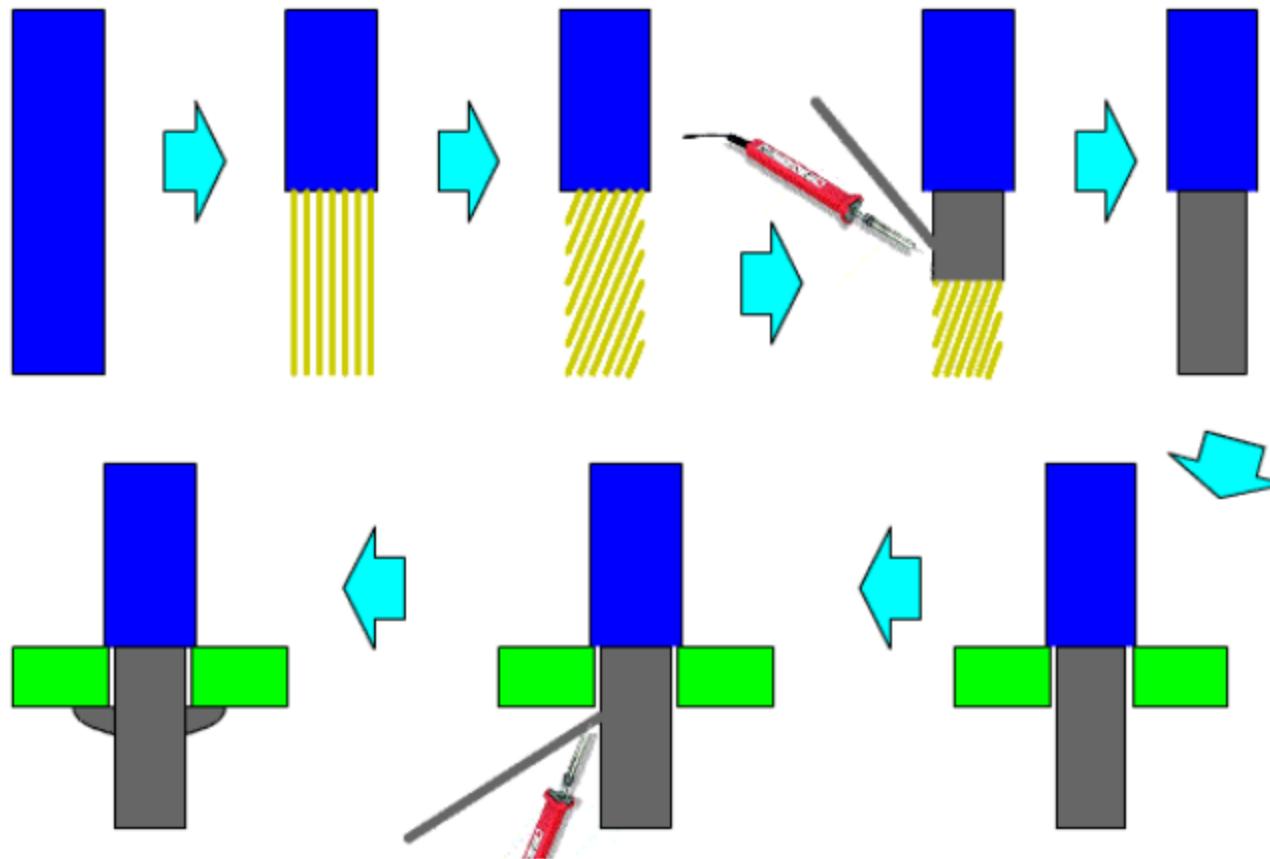


Video de la soudure des pins

<http://www.youtube.com/watch?v=gbA89JW9-oA>



Comment souder un fil?





Comment souder un fil?



Video de la soudure d'un fil

http://www.youtube.com/watch?v=d1_FzzFbH9I



PRESENTATION DES ELEMENTS DU KIT PRISME

SOUDURE

PROGRAMMATION

Arduino IDE



Télécharger: <http://arduino.cc/en/Main/Software>



Arduino IDE 1.0.1



Arduino IDE

Télécharger: <http://arduino.cc/en/Main/Software>

Compiler

Compiler +
programmer



Envoyer/recevoir
des données

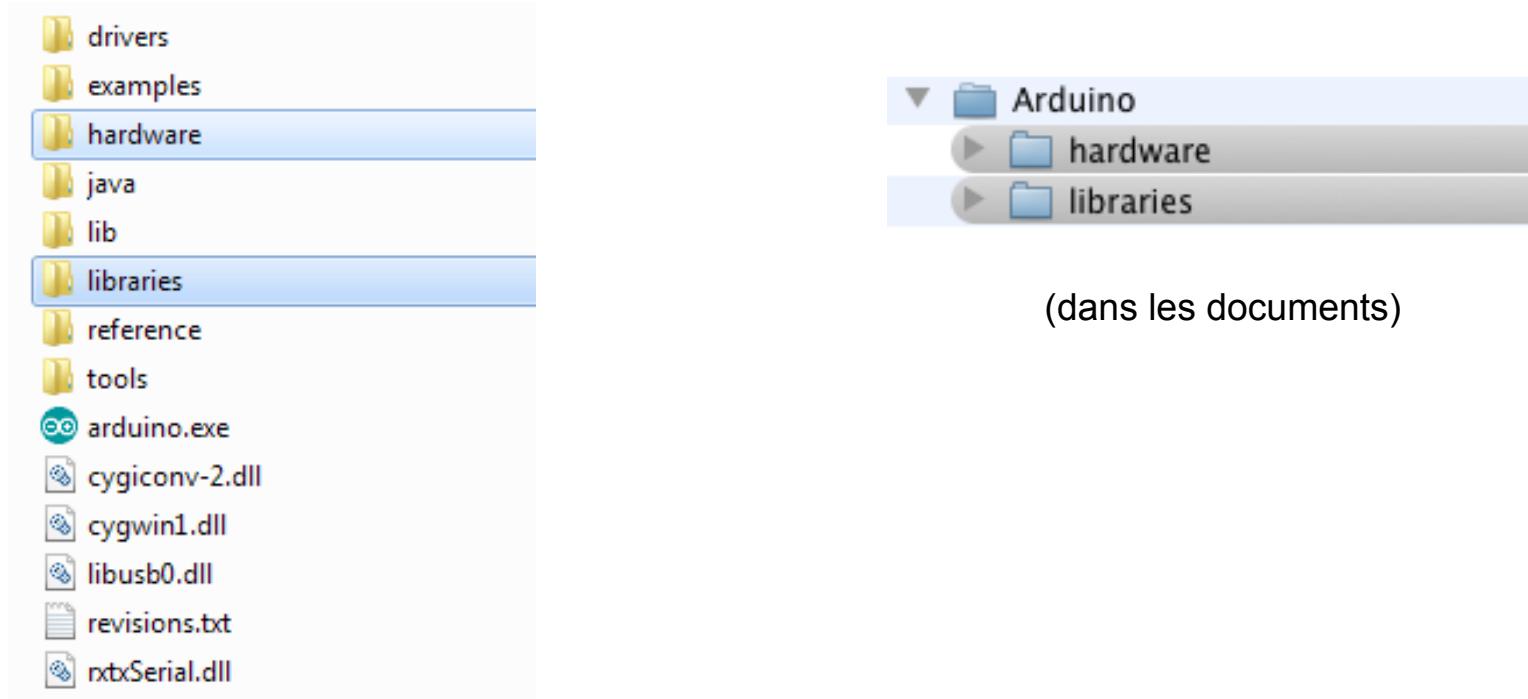
Arduino IDE 1.0.1



Configuration

Télécharger <https://github.com/Robopoly/Arduino/downloads>

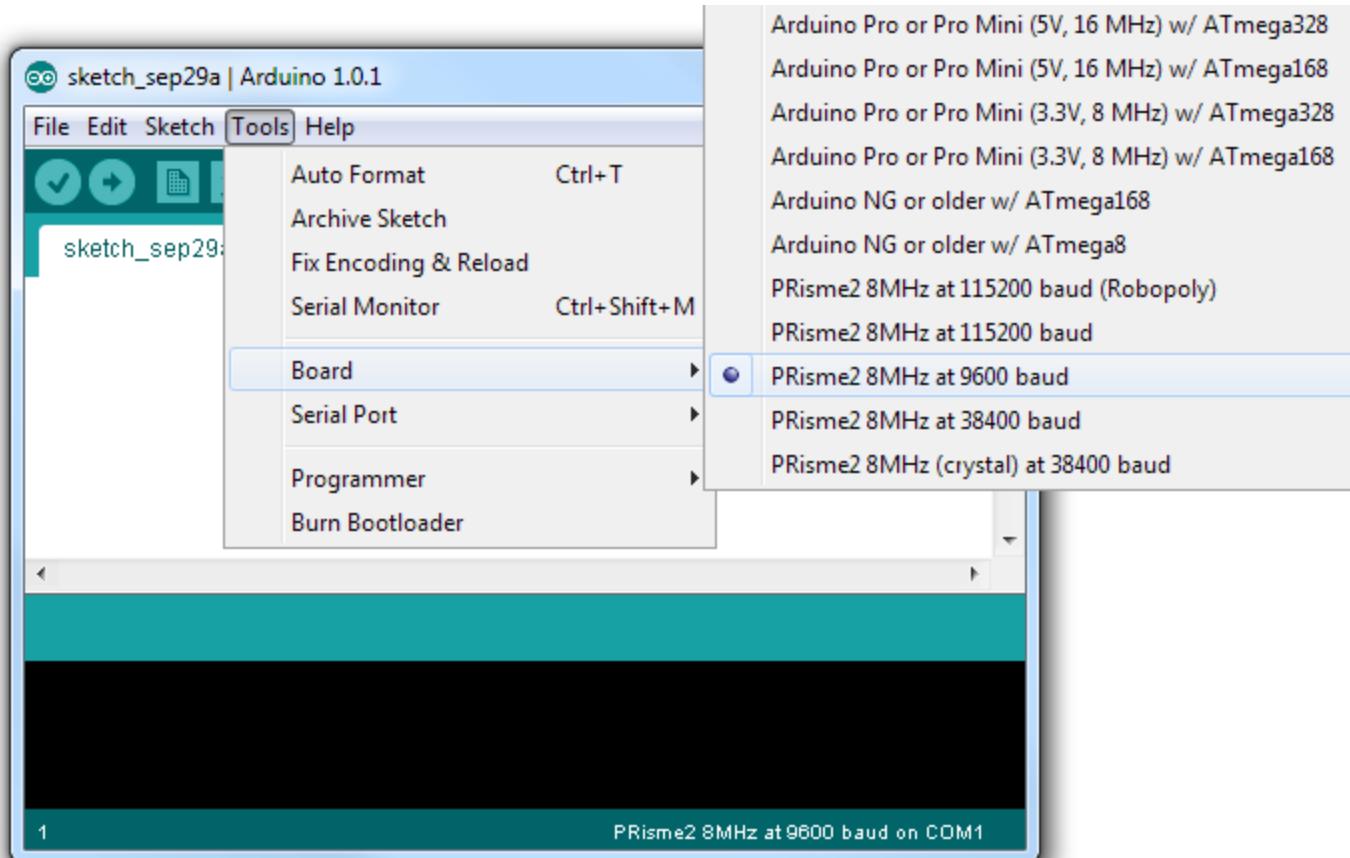
Documentation détaillé sur <http://wiki.robopoly.ch/w/Arduino>



Copier le contenu de 2 dossiers



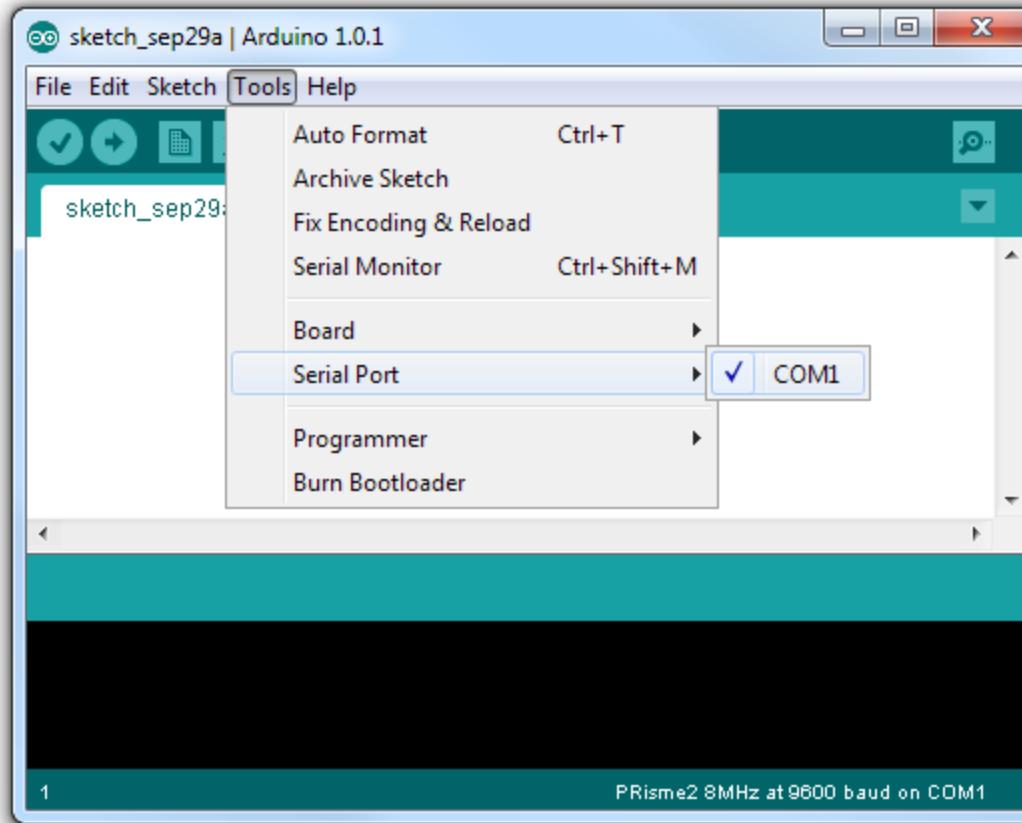
Configuration



Choix de la carte: *PRisme2 8MHz at 9600 baud*



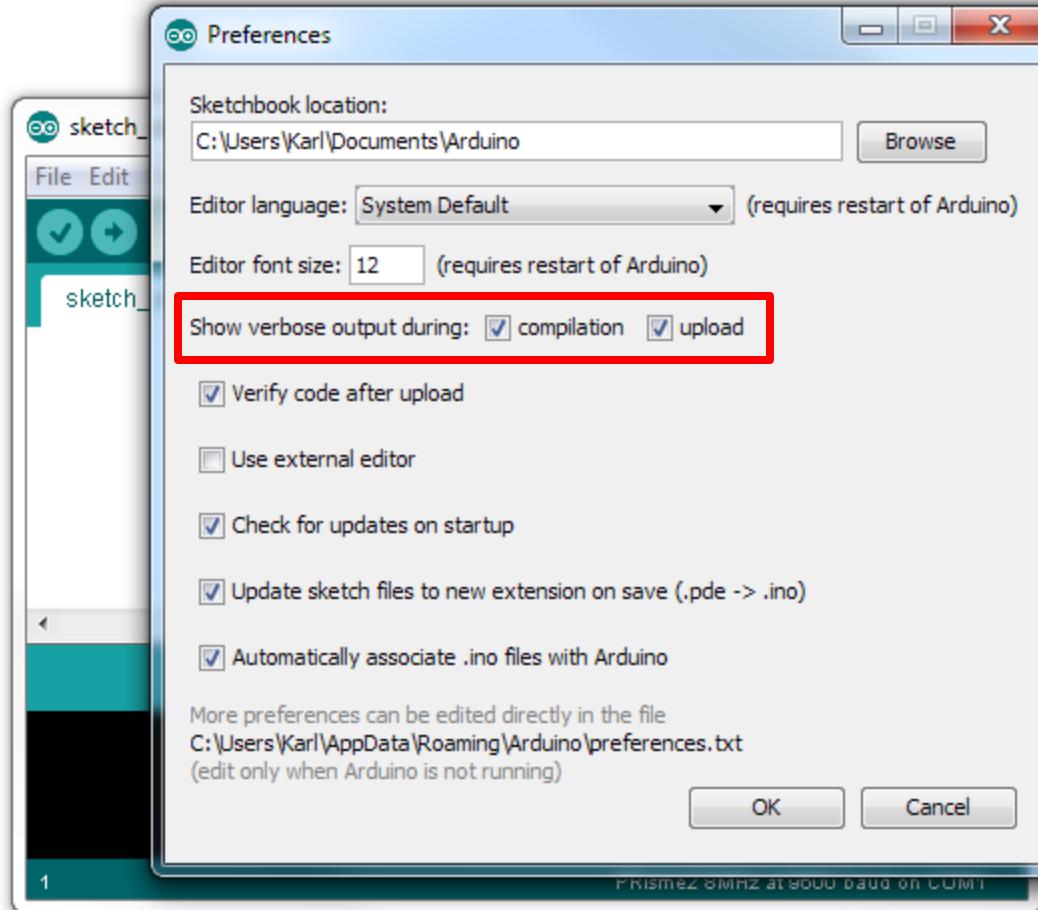
Configuration



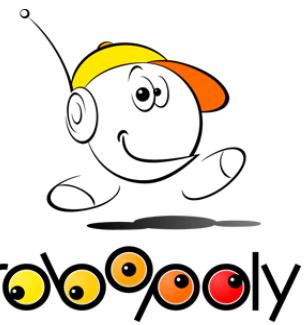
Choix du port



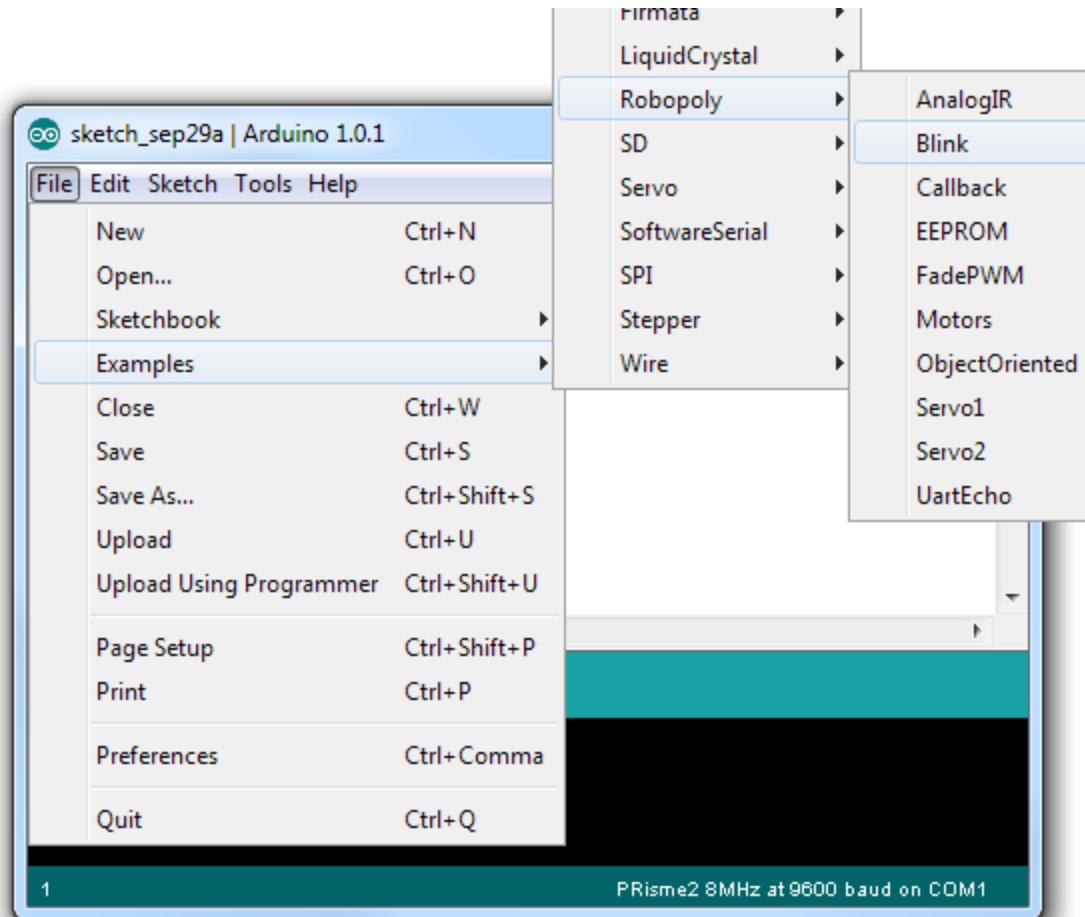
Configuration



Sortie verbose



Programmation



Clignoter la LED du PRisme

Programmation



The image shows the Arduino IDE interface with a red arrow pointing to the upload icon (a right-pointing triangle) in the toolbar. The window title is "Blink | Arduino 1.0.1". The code editor contains the following sketch:

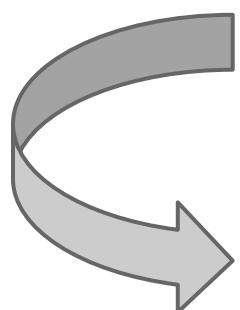
```
// the LED is on pin 2 of port C
#define LED PC(2)

void setup()
{
    // set pin as output
    pinMode(LED, OUTPUT);
}

Done compiling.

C:\Users\Karl\AppData\Local\Temp\build7997835063063624898.tmp\Blink.
cpp.hex
Binary sketch size: 946 bytes (of a 7,680 byte maximum)
```

The status bar at the bottom right shows "PRisme2 8MHz at 9600 baud on COM1".



Programme compilé: 946 octets des 7680 utilisés

Programmation



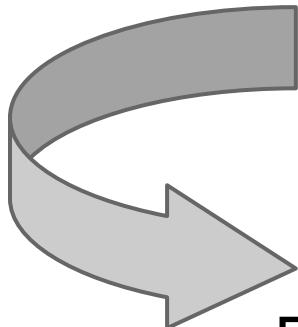
The image shows the Arduino IDE interface with a red arrow pointing to the yellow 'Upload' button in the toolbar. The central window displays the 'Blink' sketch code:

```
/* the LED is on pin 2 of port C
#define LED PC(2)

void setup()
{
    // set pin as output
    pinMode(LED, OUTPUT);
}

void loop()
{
```

Below the code, a progress bar indicates the upload process, with the status message 'Uploading...' above it. The serial monitor at the bottom shows three lines of text from 'avrduude': 'Send: 0 [30] [20]', 'Send: 0 [30] [20]', and 'Send: 0 [30] [20]'. The status bar at the bottom right shows 'PRisme2 8MHz at 9600 baud on /dev/tty.usbserial-A8007M82'.



Appuyer (vite) sur le bouton reset du PRisme quand la compilation est terminée

Programmation



Démonstration de la programmation

La suite



Mercredi 3/10/12

Journée soudure (BM9139)!

Lundi 8/10/12

Démon Programmation



FIN

Questions?