

```
1  #include "stm32f10x.h"
2  #include "GPIO.h"
3  #include "clock.h"
4
5  void initDriverMotorPorts()
6  {
7      RCC->APB2ENR |= RCC_APB2ENR_IOPCEN | RCC_APB2ENR_IOPAEN;
8
9      //pins for the wheel controls
10     GPIOA->CRH |= GPIO_CRH_MODE12 | GPIO_CRH_MODE11 | GPIO_CRH_MODE10 | GPIO_CRH_MODE9;
11     GPIOA->CRH &= ~GPIO_CRH_CNF12 & ~GPIO_CRH_CNF11 & ~GPIO_CRH_CNF10 & ~GPIO_CRH_CNF9;
12
13     //Turns motor standby on powers the motor
14     GPIOC->CRL |= GPIO_CRL_MODE6;
15     GPIOC->CRL &= ~GPIO_CRL_CNF6;
16
17 }
18
```