

```
1  #include "stm32f10x.h"
2  #include "clock.h"
3
4  void MasterClockInit(void)
5  {
6      uint32_t temp = 0x00;
7
8      RCC->CFGR = 0x00050002;
9      RCC->CR = 0x01010081;
10
11     while (temp != 0x02000000)
12     {
13         temp = RCC->CR & 0x02000000;
14     }
15 }
```