

```
1  #pragma once
2
3  #include <thread>
4
5  enum class ControllerState {
6      CTR_ASK = 0b00,
7      CTR_UP,
8      CTR_DOWN,
9      CTR_WAIT_LATCH,
10     CTR_WAIT_REPLY,
11     CTR_WAIT_DCLOSE,
12
13     CTR_DC1 = 0b110,
14     CTR_DC2
15 };
16
17 struct Controller {
18     std::thread mThread;
19     ControllerState mState;
20
21     Controller();
22     ~Controller();
23
24     void start();
25
26     };
```