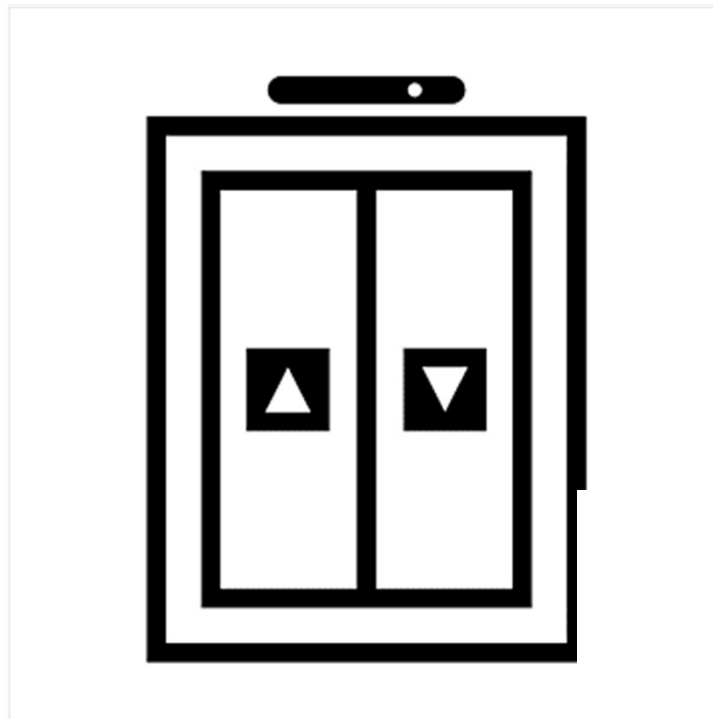
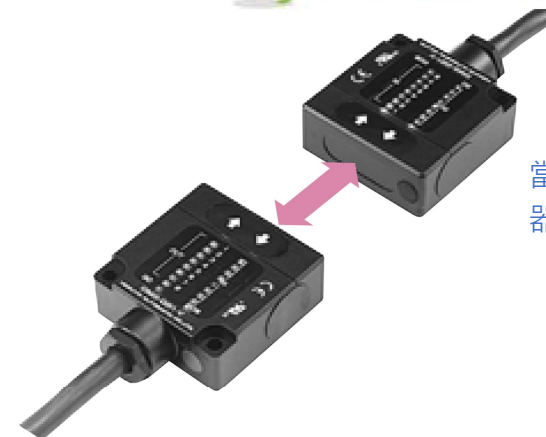
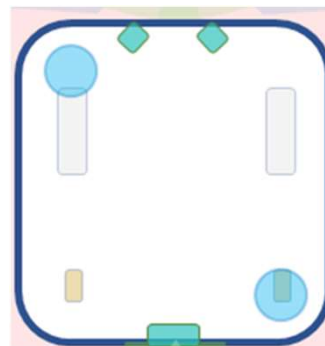
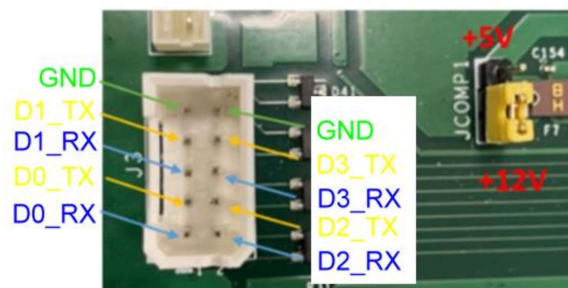


進出電梯過程中不能保證有人為干擾仍  
可以正常工作



電梯 IO

D0_RX	D0_TX
D1_RX	D1_TX
D2_RX	D2_TX
D3_RX	D3_TX



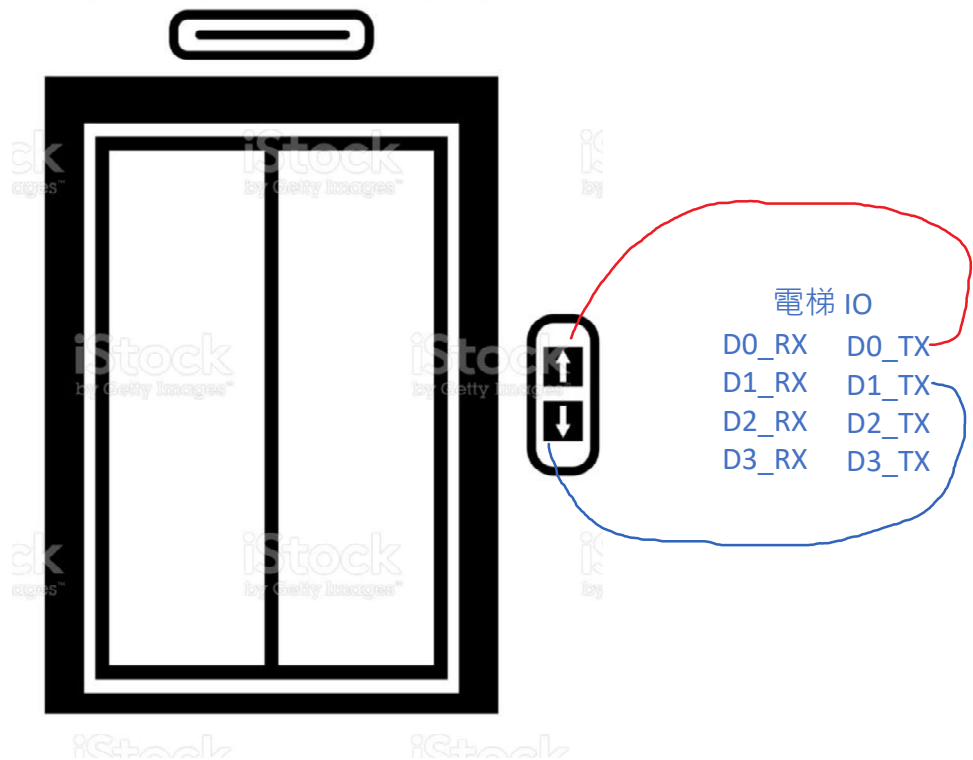
當AMR到定位對準電梯接收  
器才開始交換IO狀態

AMR IO

D0_RX	D0_TX
D1_RX	D1_TX
D2_RX	D2_TX
D3_RX	D3_TX

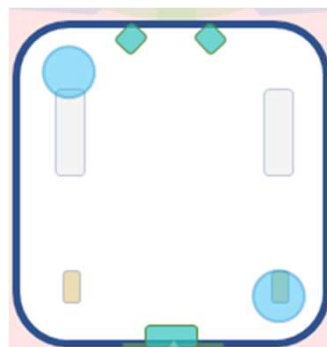
RF IO 元件

<https://www.hokuyo-aut.jp/search/single.php?serial=194>



AMR準備進電梯:

1. AMR到達電梯前方指定位置後
2. 控制電梯 IO :  
 D0\_TX 接在 電梯的上樓按鍵  
 D1\_TX 接在 電梯的上樓按鍵
3. 直到電梯門開啟後 AMR 會主動進入電梯廂並停妥
4. 讀取所要到達樓層圖資
5. 在電梯內進行重新定位



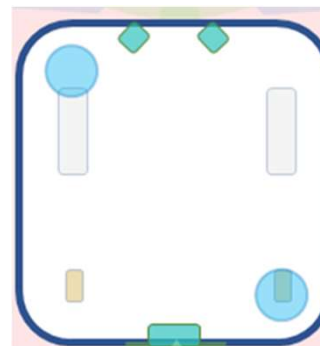
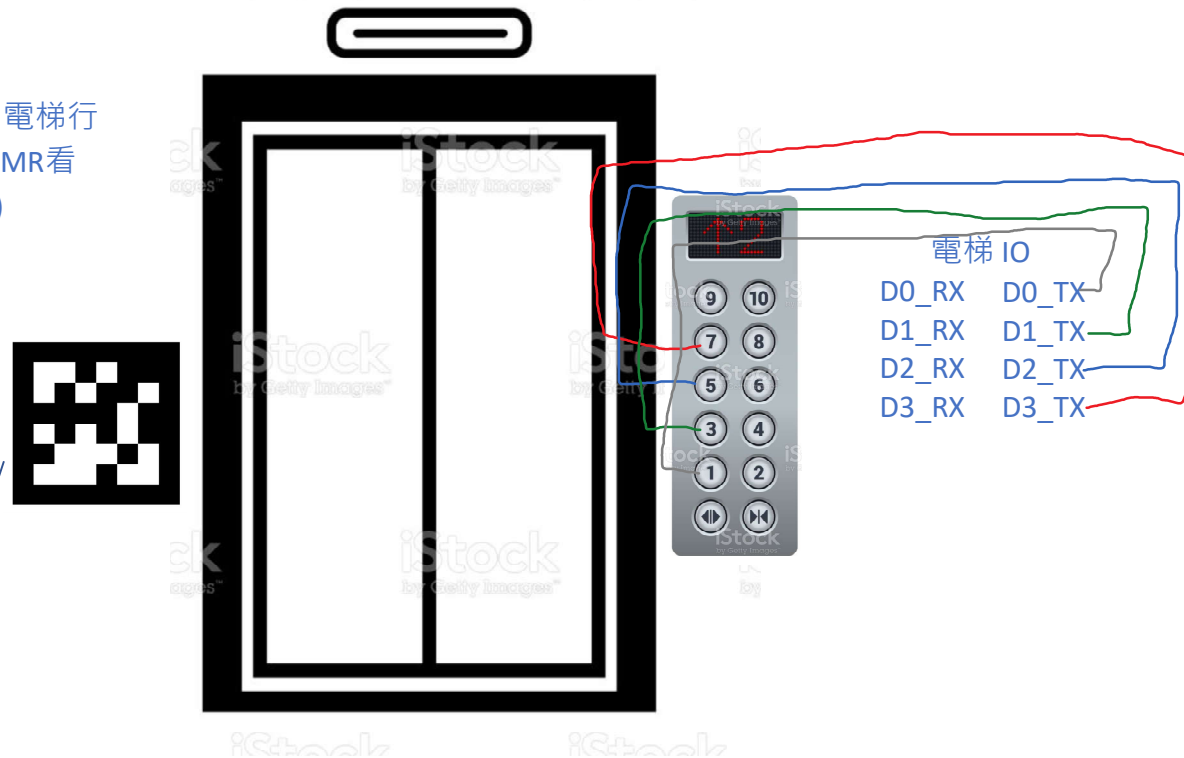
AMR IO

D0_RX	D0_TX
D1_RX	D1_TX
D2_RX	D2_TX
D3_RX	D3_TX

AMR在電梯內:

1. 指定要到達的樓層透過 IO
2. 當電梯門打開AMR到達樓層執行出電梯行為。(當所到樓層後電梯門打開後，AMR看到TAG後就會得知目前樓層是否到達)

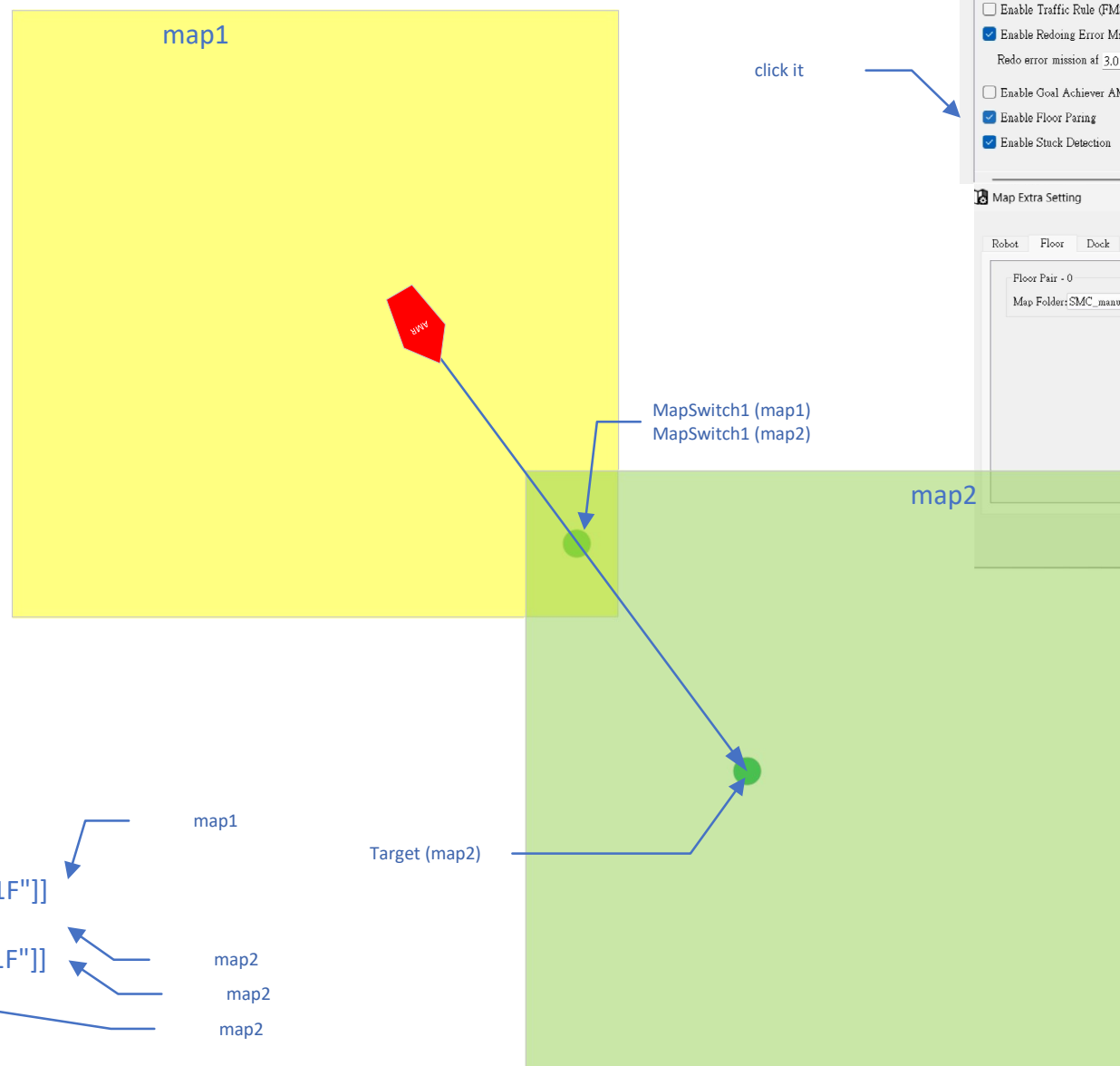
樓層標示 (不同樓層有不同編碼)



AMR在電梯內 當電梯門打開時影像所看到的畫面

樓層資訊





Manager Setting

Manager Traffic EMAIL

- ☒ Enable Hyper Mission Manager
- ☒ Enable Auto Back Charge Station (works when hyper mission manage)  
No mission time waiting to tri 60.0 sec(s)
- ☐ Enable Back Charge Station Immediately After Schedule
- ☐ Enable Traffic Rule (FMS) ☒ Enable Traffic Rule (AMR)
- ☒ Enable Redoing Error Mission from the error ste  
Redo error mission af 3.0 sec(s)
- ☐ Enable Goal Achiever AMR (only response when mission is c
- ☒ Enable Floor Paring
- ☒ Enable Stuck Detection

Map Extra Setting

Robot Floor Dock

Floor Pair - 0

Map Folder: SMC\_manufac Area @ Floor @ 1F

map1

map2

map2

map2

```
["MoveTo", ["MapSwitch1", "@1F"]]  
["LoadMap", ["map2", "@1F"]]  
["Relocate", ["MapSwitch1", "@1F"]]  
["MoveTo", ["Target", "1F"]]
```