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| **功能** | **HTTP Method** | **Data** | **path** | **回傳內容** | **備註** |
| **地圖控制相關** | | | | | |
| 地圖模式 | POST | MODE (掃描模式、一般模式、探索模式) | url:6010/map/mapMode | normal/scanMap/explore |  |
| 地圖儲存 | POST | name | url:6010/map/saveMap | True/False |  |
| 刪除地圖 | POST | name | url:6010/map/deleteMap | True/False/no input |  |
| 切換地圖 | POST | name | url:6010/map/switchMap | True/False |  |
| 當前地圖 | GET |  | url:6010/map/currentMap | map name/讀取檔案失敗 |  |
| 變更地圖名稱 | POST | name/newname | url:6010/map/renameMap | True/False |  |
| 獲得所有地圖名稱 | GET |  | url:6010/map/getAllMap | {file:[map1,map2,map3...],num:Int} |  |
| **導航點控制相關** | | | | | |
| 新增導航點 | POST | name | url:6010/navigation/newGoalPoint | True/False |  |
| 刪除導航點 | POST | mapName/pointName | url:6010/navigation/deleteGoalPoint | True/False |  |
| 更新導航點 | POST | mapName/pointName/(newPointName) | url:6010/navigation/updateGoalPoint | True/False |  |
| 獲得當下地圖的所有導航點 | GET |  | url:6010/navigation/currentAllGoalPoint | {point1\_information},{point2\_information}… | 當下地圖點位 |
| 獲得指定地圖的所有導航點 | POST | name | url:6010/navigation/allGoalPoint | {point1\_information},{point2\_information}… | 指定地圖或所有地圖點位資訊 |
| 獲得機器人當下X,Y | GET |  | url:6010/navigation/currentXY | {x:robot\_x ,y: robot\_y} |  |
| **車輛點位控制相關** | | | | | |
| 車輛前往導航點 | POST | x/y/qz/qw | url:6010/amrCommand/moveToGaol | True/False |  |
| 車輛緊急停止 | POST | null | url:6010/amrCommand/annulment | True/False |  |
| 車輛當下狀態 | GET |  | url:6010/amrCommand/currentStatus | ROBOT\_STATUS (任務狀況、開機狀態、速度、鎖 定旗標 ) |  |
| 車輛遙控 | POST | vx/vw小數 | url:6010/amrCommand/setVelocity | True/False | 建議0.1以下 |
| **車輛硬體相關** | | | | | |
| 車輛當下電量 | GET |  | url:6010/amrHardware/batter | {power:percentage,temp:ºC} |  |
| 車輛當下移動速度 | POST | name | url:6010/amrHardware/velocity | True/False/no data |  |
| 車輛感測器狀態 | GET |  | url:6010/amrHardware/sensor | [ultrasonic] |  |
| 車輛感測器等級 | POST | name(整數) | url:6010/amrHardware/collisionLevel | True/False | 0為關閉 |
| 車輛燈號狀態 | POST | name,flag | url:6010/amrHardware/light | 1~5,true/false | 0~5共6種燈號可使用。權限為3>4>1>5>2 |
| 磁導引模組尋磁模式 | POST |  | url:6010/amrHardware/startMagneticFind | True/False |  |
| 磁導引模組磁追蹤模式 | GET | name | url:6010/amrHardware/startMagneticGoal | True/False |  |
| 磁導引模組停止 | GET |  | url:6010/amrHardware/stopMagnetic | True/False |  |
| 磁導引模組狀態 | GET |  | url:6010/amrHardware/magneticState | 0:idel / 1:busy / 2:finish |  |
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