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Door Control API

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BS2DoorRelay

```
typedef struct {
    uint32_t deviceID;
    uint8_t port;
    uint8_t reserved[3];
} BS2DoorRelay;
```

1. *deviceID*

2. *port*

port number

3. *reserved*

BS2DoorSensor

```
typedef struct {
    uint32_t deviceID;
    uint8_t port;
    uint8_t switchType;
    uint8_t reserved[2];
} BS2DoorSensor ;
```

1. *deviceId*

2. *port*

port number

3. *switchType*

0	
1	

4. *reserved*

BS2ExitButton

```
typedef struct {  
    uint32_t deviceId;  
    uint8_t port;  
    uint8_t switchType;  
    uint8_t reserved[2];  
} BS2ExitButton ;
```

1. *deviceId*

2. *port*

port number

3. *switchType*

0	
1	

4. *reserved*

BS2DoorStatus

```
typedef struct {  
    uint32_t id;  
    uint8_t opened;  
    uint8_t unlocked;  
    uint8_t heldOpened;
```

```
uint8_t unlockFlags;
uint8_t lockFlags;
uint8_t alarmFlags;
uint8_t reserved[2];
uint32_t lastOpenTime;
} BS2DoorStatus;
```

1. *id*

2. *opened*

flag .

3. *unlocked*

flag .

4. *heldOpened*

flag .

5. *unlockFlags*

(OPERATOR),
unlockFlags lockFlags (NONE) 가

0		
1		
4		
2		

6. *lockFlags*

0		
1		
4		
2		

7. *alarmFlags*

0	
1	
4	
2	APB

8. *reserved*

9. *lastOpenTime***BS2Door**

```
typedef struct {
    uint32_t doorID;
    char name[BS2_MAX_DOOR_NAME_LEN];
    uint32_t entryDeviceID;
    uint32_t exitDeviceID;
    BS2DoorRelay relay;
    BS2DoorSensor sensor;
    BS2ExitButton button;
    uint32_t autoLockTimeout;
    uint32_t heldOpenTimeout;
    uint8_t instantLock;
    uint8_t unlockFlags;
    uint8_t lockFlags;
    uint8_t unconditionalLock;
    BS2Action forcedOpenAlarm[BS2_MAX_FORCED_OPEN_ALARM_ACTION];
    BS2Action heldOpenAlarm[BS2_MAX_HELD_OPEN_ALARM_ACTION];
    uint32_t dualAuthScheduleID;
    uint8_t dualAuthDevice;
    uint8_t dualAuthApprovalType;
    uint32_t dualAuthTimeout;
    uint8_t numDualAuthApprovalGroups;
    uint8_t reserved2[1];
    uint32_t dualAuthApprovalGroupID[BS2_MAX_DUAL_AUTH_APPROVAL_GROUP];
    BS2AntiPassbackZone apbZone;
} BS2Door;
```

1. *doorID*

. 1 65535

2. *name*

BioStar . 1 가

3. *entryDeviceID*4. *exitDeviceID*5. *relay*6. *sensor*

/

7. *button*
Exit

8. *autoLockTimeout*

9. *heldOpenTimeout*

10. *instantLock*
가 flag

11. *unlockFlags*
(OPERATOR),
unlockFlags lockFlags (NONE) 가

0		
1		
4		
2		

12. *lockFlags*

0		
1		
4		
2		

13. *unconditionalLock*
autoLock timeout door lock flag

0	autoLock timeout door close door lock . (door open door가 close)
1	autoLock timeout door open/close door lock

14. *forcedOpenAlarm*
5

15. *heldOpenAlarm*
5

16. *dualAuthScheduleID*
0 , 1 ,

17. *dualAuthDevice*

가

flag

0	
1	
2	
3	

18. *dualAuthApprovalType*

가

flag

0	
1	

19. *dualAuthTimeout*

1 2

20. *numDualAuthApprovalGroups*

가

21. *reserved2*22. *dualAuthApprovalGroupID*

가

16

23. *apbZone*

가

Zone Control API

From:

<https://kb.supremainc.com/bs2sdk/> - **BioStar 2 Device SDK**

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