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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 apbUseDoorSensor;
    uint8_t reserved[1];
}
```

```

} BS2DoorSensor;

```

1. *deviceID*

2. *port*

port number

3. *switchType*

0	
1	

4. *apbUseDoorSensor*

Global APB door sensor  
BS2AuthConfig useGlobalAPB

5. *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:

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

Permanent link:

[http://kb.supremainc.com/bs2sdk/doku.php?id=ko:door\\_control\\_api](http://kb.supremainc.com/bs2sdk/doku.php?id=ko:door_control_api)

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