

Table of Contents

- Control API** 1
- executeOutputAction** 1
 - Parameters 1
 - Return Code 1
- executeLedAction** 1
 - Parameters 1
 - Return Code 1
- setEthernetConfig** 2
 - Parameters 2
 - Return Code 2
- openRS232** 2
 - Parameters 2
 - Return Code 2
- closeRS232** 3
 - Return Code 3
- readRS232** 3
 - Parameters 3
 - Return Code 3
- writeRS232** 3
 - Parameters 4
 - Return Code 4

Control API

executeOutputAction

Controls the output signal (relay) of the device.

```
int executeOutputAction(Channel channel, Relay relay)
```

Parameters

- channel: relay channel (0-1)
- relay: output signal information

[Refer to Channel Enumerator](#)
[Refer to Relay Enumerator](#)

Return Code

Returns "SUCCESS" if successfully launched; returns the corresponding error code if an error occurs.

executeLedAction

Controls the LED of the device.

```
int executeLedAction(LedColor color)
```

Parameters

- color: LED color

[Refer to LedColor Enumerator](#)

Return Code

Returns "SUCCESS" if successfully launched; returns the corresponding error code if an error occurs.

setEthernetConfig

Sets the Ethernet information.

```
int setEthernetConfig(boolean enabledDHCP, String ip, String subnet, String gateway, String dnsServer)
```

Parameters

- enabledDHCP: Decides whether to use DHCP.
- ip: IP address assigned to the device.
- subnet: Subnet mask of the device.
- gateway: IP address of the gateway.
- dnsServer: DNS server address.

Return Code

Returns "SUCCESS" if successfully launched; returns the corresponding error code if an error occurs.

The API will return immediately upon starting the Ethernet setting, the result will be passed on to the onActivityResult.

openRS232

open RS-232 serial port.

```
int openRS232(int baudrate)
```

Parameters

- baudrate: The RS-232 communication speed.

Return Code

Returns "SUCCESS" if successfully launched; returns the corresponding error code if an error occurs.

closeRS232

close RS-232 serial port.

```
int closeRS232()
```

Return Code

Returns "SUCCESS" if successfully launched; returns the corresponding error code if an error occurs.

readRS232

read RS-232 data.

```
int readRS232(RS232Data data)
```

Parameters

- data: RS-232 data.

[Refer to RS232Data Class](#)

Return Code

Returns "SUCCESS" if successfully launched; returns the corresponding error code if an error occurs.

writeRS232

send RS-232 data.

```
int writeRS232(RS232Data data)
```

Parameters

- data: RS-232 data.

[Refer to RS232Data Class](#)

Return Code

Returns "SUCCESS" if successfully launched; returns the corresponding error code if an error occurs.

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