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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 enableDHCP, String ip, String subnet, String
gateway, String dnsServer)
```

Parameters

- `enableDHCP`: 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.