

send:

http://192.168.1.200/ctrl.cgi?secret=abcd&cmd=get_adcs&id=0&value=0

feedback:

```
{
  "adcs": [31, 48, 50, 0],
  "status": "success",
  "code": 0
}
```

Feedback JSON format data, "adcs" means: 1-4 channel ADC original acquisition value. Range: 0-4095

4. Read all DAC (analog output) state

parameter	value
secret	abcd
cmd	get_dacs
id	0
value	0

send:

http://192.168.1.200/ctrl.cgi?secret=abcd&cmd=get_dacs&id=0&value=0

feedback:

```
{
  "dacs": [31, 48],
  "status": "success",
  "code": 0
}
```

Feedback JSON format data, "dacs" means: 1-4 channel DAC value. Range: 0-255 for output DC 0-10v

5. Set ON/OFF one channel of digital output

parameter	value
secret	abcd
cmd	set_output
id	output channel number -- KC868-A64 is (1-64)
value	1: ON 0: OFF

send:

http://192.168.1.200/ctrl.cgi?secret=abcd&cmd=set_output&id=1&value=1

this means: turn ON output-1

feedback:

```
{
  "id": 1,
  "value": 1,
  "status": "success",
}
```


Output



7. Set DAC

parameter	value
secret	abcd
cmd	set_dac
id	1
value	0-255

send:

http://192.168.1.200/ctrl.cgi?secret=abcd&cmd=set_dac&id=1&value=248

feedback:

```
{  
  "id": 1,  
  "value": 248,  
  "status": "success",  
  "code": 0  
}
```

Feedback JSON format data, "success" is control OK.

8. Read board all data

parameter	value
secret	abcd
cmd	get_all_datas
id	0
value	0

11. Set beep output

parameter	value
secret	abcd
cmd	set_beep
id	1
value	1: ON 0: OFF

send:

```
http://192.168.1.200/ctrl.cgi?secret=abcd&cmd=set_beep&id=1&value=1
```

this means: turn ON beep

feedback:

```
{ "status": "success", "code": 0 }
```

12. Read temperature & humidity sensor data

send:

```
http://192.168.1.200/ctrl.cgi?cmd=get_sensors&id=0&value=0&secret=abcd
```

feedback:

```
{  
  "sensors": [  
    {  
      "id": 1,  
      "type": 1,  
      "unit": 1,  
      "temperature": 77.9000015258789,  
      "humidity": -100  
    },  
    { "id": 2,  
      "type": 0,  
      "unit": 0,  
      "temperature": -100,  
      "humidity": -100  
    }  
  ],  
  "status": "success",  
  "code": 0  
}
```

Returns an array of sensors

Id: sensor ID

type: 0: disabled 1: ds18b20 2: DHT11 3: DHT22

unit 0: °C 1: °F

temperature: it's float format data for temperature sensor

humidity: data of humidity -100: invalid