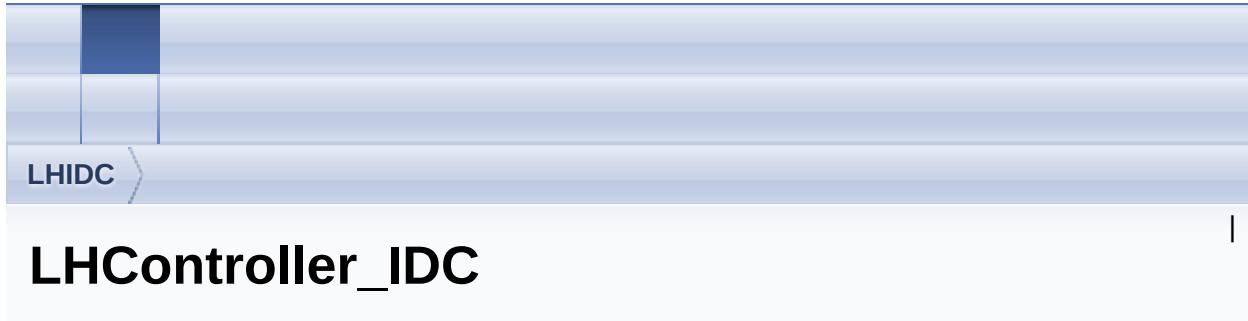


LHController_VDC v1.0.1.1

API Instructions



```
#define LH_SUCCEED 0
```

```
...
```

```
#define LH_ERR_CREATEETHECON_FAILED 1001
```

```
...
```

```
#define LH_ERR_UNKNOWN 1002
```

```
...
```

```
#define LH_ERR_INVALIDHANDLE 1003
```

```
...
```

```
#define LH_ERR_MAXIMUM 1004
```

```
...
```

```
#define LH_ERR_INITSERIAL_FAILED 1005
```

```
...
```

```
#define LH_ERR_SEND_DATA 1006
```

```
...
```

```
#define LH_ERR_CHINDEX_OUTRANGE 1007
```

```
...
```

```
#define LH_ERR_DISCONNECTED 1008
```

```
...
```

```
#define LH_ERR_CHINDEX_LACK 1009
```

```
...
```

```
#define LH_ERR_PARAMETERERROR 1010
```

```
...
```

```
#define LH_ERR_CURRENTCONSTABTVOLTAGEMODE_FAILED
```

```
...
```

```
#define LH_ERR_READCURRENTCONSTABTVOLTAGEMODE_FAI
```

```
...
```

```
#define LH_ERR_CURRENTCROSSED 1013
```

```
...
```

```
#define LH_ERR_SETTGEOUTPTCURRENT_FAILED 1014
```

```
...
```

```
#define LH_ERR_SETTGEOUTPTCURRENTON_FAILED 1015
```

```
...
```

```
#define LH_ERR_CURRENTON_FAILED 1016
```

```
...
```

```
#define LH_ERR_READCURRENT_FAILED 1017
```

```
...
```

```
#define LH_ERR_VOLTAGECRISSED 1018
```

```
...
```

```
#define LH_ERR_SETOUTPUTVOLTAGE_FAILED 1019
```

```
...
```

```
#define LH_ERR_SETOUTPUTVOLTAGEON_FAILED 1020
```

```
...
```

```
#define LH_ERR_READOUTPUTVOLTAGE_FAILED 1021
```

```
...
```

```
#define LH_ERR_BRIGHTESSVALUE_FAILED 1022
```

```
...
```

```
#define LH_ERR_SETOUTPUTVOLTAGEPWMGRADE_FAILED 101
```

...

```
#define LH_ERR_SETOUTPUTVOLTAGEPWMGRADEON_FAILED
```

...

```
#define LH_ERR_OUTPUTVOLTAGEPWMGRADEON_FAILED 102
```

...

```
#define LH_ERR_READBRIGHTNESS_FAILED 1026
```

...

```
#define LH_ERR_TURNONCH_FAILED 1027
```

...

```
#define LH_ERR_TURNOFFCH_FAILED 1028
```

...

```
#define LH_ERR_SETEXTERNALINPUTMODE_FAILED 1029
```

IO

...

```
#define LH_ERR_READEXTERNALINPUTMODE_FAILED 1030
```

IO

...

```
#define LH_ERR_SEDEXTERNALOUTPUTMODE_FAILED 1031
```

IO

...

```
#define LH_ERR_READEXTERNALOUTPUTMODE_FAILED 1032
```

IO

...

```
#define LH_ERR_READOUTPUT_FAILED 1033
```

IO

...

```
#define LH_ERR_TRIGGRRWIDTH 1034
```

...

```
#define LH_ERR_VOLTAGE 1035
```

```
...
```

```
#define LH_ERR_DEFAULT 1036
```

```
...
```

```
#define LH_ERR_BAUDRATE 1037
```

```
...
```

```
#define LH_ERR_PARAMETER 1038
```

```
...
```

```
#define LH_ERR_STROBETRIGGER_FAILED 1039
```

```
...
```

```
#define LH_ERR_SETTRIGGERWIDTH_FAILED 1040
```

```
...
```

```
#define LH_ERR_READTRIGGERWIDTH_FAILED 1041
```

```
...
```

```
#define LH_ERR_SETDEFAULTOUTPUT_FAILED 1042
```

```
...
```

```
#define LH_ERR_READINPUT_FAILED 1043
```

```
IO
```

```
...
```

```
#define LH_ERR_SETOUPUT_FAILED 1044
```

```
IO
```

```
...
```

```
#define LH_ERR_READALARM_FAILED 1045
```

```
...
```

```
#define LH_ERR_CLEAREDZALARM_FAILED 1046
```

```
...
```

```
#define LH_ERR_REDTEMPERATURE_FAILD 1047
```

```
...
```

```
#define LH_ERR_REBOOT_FAILD 1048
```

```
...
```

```
#define LH_ERR_FORMAT_FAILD 1049
```

```
...
```

```
#define LH_ERR_SAVE_FAILD 1050
```

```
...
```

```
#define LH_ERR_SETCOMBAUDRATE_FAILD 1051
```

```
...
```

```
#define LH_ERR_SETSERVERIP_FAILD 1052
```

```
IP
```

```
...
```

```
#define LH_ERR_SETSERVERSUBNETMASK_FAILD 1053
```

```
...
```

```
#define LH_ERR_SETSERVERGATEWAY_FAILD 1054
```

```
...
```

```
#define LH_ERR_SETCLIENTIP_FAILD 1055
```

```
IP
```

```
...
```

```
#define LH_ERR_SETSERVERPORT_FAILD 1056
```

```
...
```

```
#define LH_ERR_SETCLIENTPORT_FAILD 1057
```

```
...
```

```
#define LH_ERR_READTCPIP_FAILD 1058
```

```
TCP
```

```
...
```

```
#define LH_ERR_READVERSION_FAILED 1059
```

```
...
```

```
#define LHController_Handle long
```

```
#define LHController_IDC_API long
```

LHController_IDC_API **LHController_Synchronous_asynchronous**
(**LHController_Handle** controllerHandle, int s

...

LHController_IDC_API **LHController_CreateEtheConnectionByIP**
(char *serverIPAddress, int serverPort,
LHController_Handle *controllerHandle)

...

LHController_IDC_API **LHController_DestroyEtheConnection**
(**LHController_Handle** controllerHandle)

...

LHController_IDC_API **LHController_InitSerialPort** (char *comName,
int baudrate, **LHController_Handle**
*controllerHandle)

...

LHController_IDC_API **LHController_ReleaseSerialPort**
(**LHController_Handle** controllerHandle)

...

LHController_IDC_API **LHController_CurrentConstantVoltageMod**
(**LHController_Handle** controllerHandle, int
channelIndex, int mode)

...

LHController_IDC_API **LHController_ReadConstantVoltageMode**
(**LHController_Handle** controllerHandle, int
channelIndex, int *mode)

...

LHController_IDC_API **LHController_SetTheOutputCurrent**
(**LHController_Handle** controllerHandle, int

channelIndex, int current)

...

LHController_IDC_API **LHController_SetTheOutputCurrentON**
(**LHController_Handle** controllerHandle, int
channelIndex, int current)

...

LHController_IDC_API **LHController_CurrentON**
(**LHController_Handle** controllerHandle, int
channelIndex, int current)

...

LHController_IDC_API **LHController_ReadCurrent**
(**LHController_Handle** controllerHandle, int
channelIndex, int *current)

...

LHController_IDC_API **LHController_SetOutputVoltage**
(**LHController_Handle** controllerHandle, int
channelIndex, int voltage)

...

LHController_IDC_API **LHController_SetOutputVoltageON**
(**LHController_Handle** controllerHandle, int
channelIndex, int voltage)

...

LHController_IDC_API **LHController_ReadOutputVoltage**
(**LHController_Handle** controllerHandle, int
channelIndex, int *voltage)

...

LHController_IDC_API **LHController_SetOutputVoltagePWMgrade**
(**LHController_Handle** controllerHandle, int
channelIndex, int pwmgrade)
PWM ...

| | |
|----------------------|--|
| LHController_IDC_API | LHController_SetOutputVoltagePWMgrade (LHController_Handle controllerHandle, int channelIndex, int pwmgrade) PWM ... |
| LHController_IDC_API | LHController_OutputVoltagePWMgradeON (LHController_Handle controllerHandle, int channelIndex, int pwmgrade) PWM ... |
| LHController_IDC_API | LHController_ReadOutputVoltagePWMgrade (LHController_Handle controllerHandle, int channelIndex, int *pwmgrade) PWM ... |
| LHController_IDC_API | LHController_TurnonChannel (LHController_Handle controllerHandle, int channelIndex) ... |
| LHController_IDC_API | LHController_TurnoffChannel (LHController_Handle controllerHandle, int channelIndex) ... |
| LHController_IDC_API | LHController_TurnoffTurnonChannel (LHController_Handle controllerHandle, char *channelIndex) ... |
| LHController_IDC_API | LHController_SetTriggerWidth (LHController_Handle controllerHandle, int channelIndex, int triggerWidth) ... |
| LHController_IDC_API | LHController_ReadTriggerWidth (LHController_Handle controllerHandle, int channelIndex, int *triggerWidth) |

| | |
|----------------------|---|
| | ... |
| LHController_IDC_API | LHController_AStrobeTrigger (LHController_Handle controllerHandle, int channelIndex) ... |
| LHController_IDC_API | LHController_ManyStrobeTrigger (LHController_Handle controllerHandle, char *channelIndex) ... |
| LHController_IDC_API | LHController_TimeTrobeTrigger (LHController_Handle controllerHandle, int channelIndex, int triggerWidth) ... |
| LHController_IDC_API | LHController_SetDefaultOutput (LHController_Handle controllerHandle, int channelIndex, int channelDefault) ... |
| LHController_IDC_API | LHController_ReadDefaultOutput (LHController_Handle controllerHandle, int channelIndex, int *channelDefault) ... |
| LHController_IDC_API | LHController_SetExternalInputMode (LHController_Handle controllerHandle, int channelIndex, int externalmode) IO ... |
| LHController_IDC_API | LHController_ReadExternalInputMode (LHController_Handle controllerHandle, int channelIndex, int *externalmode) IO ... |
| | LHController_SetExternalOutputMode |

LHController_IDC_API (**LHController_Handle** controllerHandle, int channelIndex, int externalmode)
IO ...

LHController_IDC_API **LHController_ReadExternalOutputMode**
(**LHController_Handle** controllerHandle, int channelIndex, int *externalmode)
IO ...

LHController_IDC_API **LHController_ReadInput**
(**LHController_Handle** controllerHandle, char *readInput)
IO ...

LHController_IDC_API **LHController_SetOutput**
(**LHController_Handle** controllerHandle, char *output)
IO ...

LHController_IDC_API **LHController_ReadOutput**
(**LHController_Handle** controllerHandle, char *output)
IO ...

LHController_IDC_API **LHController_Readalarm**
(**LHController_Handle** controllerHandle, char *alarm)
...
...

LHController_IDC_API **LHController_Clearedzalarm**
(**LHController_Handle** controllerHandle)
...

LHController_IDC_API **LHController_Redtemperature**
(**LHController_Handle** controllerHandle, int *temperature)
...

| | |
|----------------------|--|
| LHController_IDC_API | LHController_Reboot (LHController_Handle controllerHandle) |
| | ... |
| LHController_IDC_API | LHController_Format (LHController_Handle controllerHandle) |
| | ... |
| LHController_IDC_API | LHController_Save (LHController_Handle controllerHandle) |
| | ... |
| LHController_IDC_API | LHController_SetComBaudrate (LHController_Handle controllerHandle, int baudrate) |
| | ... |
| LHController_IDC_API | LHController_ReadComBaudrate (LHController_Handle controllerHandle, int *baudrate) |
| | ... |
| LHController_IDC_API | LHController_SetServerIP (LHController_Handle controllerHandle, char *serverip) IP |
| | ... |
| LHController_IDC_API | LHController_SetServerSubnetMask (LHController_Handle controllerHandle, char *subnetmask) |
| | ... |
| LHController_IDC_API | LHController_SetServerGateway (LHController_Handle controllerHandle, char *gateway) |
| | ... |
| | LHController_SetClientIP |

| | |
|-----------------------------|---|
| LHController_IDC_API | LHController_SetIP (LHController_Handle controllerHandle, char *clientIP) IP ... |
| LHController_IDC_API | LHController_SetServerPort (LHController_Handle controllerHandle, int serverport) ... LHController_SetClientPort (LHController_Handle controllerHandle, int clientport) ... LHController_ReadTCPIP (LHController_Handle controllerHandle, char *serverIP, char *serverSubnetMask, char *serverGateway, char *clientIP, int *serverport, int *clientport) TCP ... |
| LHController_IDC_API | LHController_Readversion (LHController_Handle controllerHandle, char *version) |

```
#define LH_ERR_BAUDRATE 1037
```

```
#define LH_ERR_BRIGHTESSVALUE_FAILED 1022
```

```
#define LH_ERR_CHINDEX_LACK 1009
```

```
#define LH_ERR_CHINDEX_OUTRANGE 1007
```

```
#define LH_ERR_CLEAREDZALARM_FAILD 1046
```

```
#define LH_ERR_CREATEETHECON_FAILED 1001
```

```
#define
```

```
#define LH_ERR_CURRENTCONSTABTVOLTAGEMODE_FAILED 1011
```

```
#define LH_ERR_CURRENTCROSSED 1013
```

```
#define LH_ERR_CURRENTON_FAILED 1016
```

```
#define LH_ERR_DEFAULT 1036
```

```
#define LH_ERR_DISCONNECTED 1008
```

```
#define LH_ERR_FORMAT_FAILD 1049
```

```
#define LH_ERR_INITSERIAL_FAILED 1005
```

```
#define LH_ERR_INVALIDHANDLE 1003
```

```
#define LH_ERR_MAXIMUM 1004
```

```
#define  
LH_ERR_OUTPUTVOLTAGEPWMGRADEON_FAILED 1025
```

```
#define LH_ERR_PARAMETER 1038
```

```
#define LH_ERR_PARAMETERERROR 1010
```

```
#define LH_ERR_READALARM_FAILD 1045
```

```
#define LH_ERR_READBRIGHTNESS_FAILED 1026
```

```
#define LH_ERR_READCURRENT_FAILED 1017
```

```
#define  
LH_ERR_READCURRENTCONSTANTVOLTAGEMODE_FAILED 10
```

```
#define LH_ERR_READEXTERNALINPUTMODE_FAILED 1030
```

IO

```
#define  
LH_ERR_READEXTERNALOUTPUTMODE_FAILED 1032
```

IO

```
#define LH_ERR_READINPUT_FAILED 1043
```

IO

```
#define LH_ERR_READOUTPUT_FAILED 1033
```

IO

```
#define LH_ERR_READOUTPUTVOLTAGE_FAILED 1021
```

```
#define LH_ERR_READTCPIP_FAILED 1058
```

TCP

```
#define LH_ERR_READTRIGGERWIDTH_FAILED 1041
```

```
#define LH_ERR_READVERSION_FAILD 1059
```

```
#define LH_ERR_REBOOT_FAILD 1048
```

```
#define LH_ERR_REDTEMPERATURE_FAILD 1047
```

```
#define LH_ERR_SAVE_FAILD 1050
```

```
#define  
LH_ERR_SEDEXTERNALOUTPUTIOMODE_FAILED 1031
```

IO

```
#define LH_ERR_SEND_DATA 1006
```

```
#define LH_ERR_SETCLIENTIP_FAILED 1055
```

IP

```
#define LH_ERR_SETCLIENTPORT_FAILED 1057
```

```
#define LH_ERR_SETCOMBAUDRATE_FAILED 1051
```

```
#define LH_ERR_SETDEFAULTOUTPUT_FAILED 1042
```

```
#define LH_ERR_SETEXTERNALINPUTMODE_FAILED 1029
```

IO

```
#define LH_ERR_SETOUTPUT_FAILED 1044
```

IO

```
#define LH_ERR_SETOUTPUTVOLTAGE_FAILED 1019
```

```
#define LH_ERR_SETOUTPUTVOLTAGEON_FAILED 1020
```

```
#define  
LH_ERR_SETOUTPUTVOLTAGEPWMGRADE_FAILED 1023
```

```
#define  
LH_ERR_SETOUTPUTVOLTAGEPWMGRADEON_FAILED 1024
```

```
#define LH_ERR_SETSERVERGATEWAY_FAILD 1054
```

```
#define LH_ERR_SETSERVERIP_FAILD 1052
```

IP

```
#define LH_ERR_SETSERVERPORT_FAILD 1056
```

```
#define LH_ERR_SETSERVERSUBNETMASK_FAILD 1053
```

```
#define LH_ERR_SETTGEOUTPTCURRENT_FAILED 1014
```

```
#define LH_ERR_SETTGEOUTPTCURRENTON_FAILED 1015
```

```
#define LH_ERR_SETTRIGGERWIDTH_FAILED 1040
```

```
#define LH_ERR_STROBETRIGGER_FAILED 1039
```

```
#define LH_ERR_TRIGGRRWIDTH 1034
```

```
#define LH_ERR_TURNOFFCH_FAILED 1028
```

```
#define LH_ERR_TURNONCH_FAILED 1027
```

```
#define LH_ERR_UNKNOWN 1002
```

```
#define LH_ERR_VOLTAGE 1035
```

```
#define LH_ERR_VOLTAGECRISSED 1018
```

```
#define LH_SUCCEED 0
```

```
#define LHController_Handle long
```

```
#define LHController_IDC_API long
```

LHController_IDC_API

```
LHController_AStrobeTrigger ( LHController_Handle controllerHandle
                                int channelIndex
                            )
```

controllerHandle

channelIndex 1~8

LH_SUCCEED

LHController_IDC_API

```
LHController_Clearedzalarm ( LHController_Handle controllerHandle
```

controllerHandle

LH_SUCCEED

LHController_IDC_API

```
LHController_CreateEtheConnectionByIP ( char *
                                         int
                                         LHController_Handle *
                                         )
```

serverIPAddress IP
172.16.83.1
serverPort ,1000~9999

controllerHandle

LH_SUCCEED

100

LHController_DestroyEtheConnection

LHController_IDC_API

```
LHController_CurrentConstantVoltageMode ( LHController_Handle  
                                int  
                                int  
                                )
```

controllerHandle
channelIndex 1~4
mode "0" "1"

LH_SUCCEED

|

```
LHController_IDC_API  
LHController_CurrentON ( LHController_Handle controllerHandle,  
                           int channelIndex,  
                           int current  
                           )
```

controllerHandle
channelIndex 1~4
current 0000~1500

LH_SUCCEED

[**LHController_IDC_API**](#)

LHController_DestroyEtheConnection (LHController_Handle cont

controllerHandle

LH_SUCCEED

[**LHController_IDC_API**](#)

LHController_Format (LHController_Handle controllerHandle)

controllerHandle

LH_SUCCEED

LHController_IDC_API

```
LHController_InitSerialPort ( char * comName,
                               int baudrate,
                               LHController_Handle * controllerHandle )
```

comName COM1

baudrate

controllerHandle

LH_SUCCEED

100

LHController_ReleaseSerialPort

LHController_IDC_API

LHController_ManyStrobeTrigger (LHController_Handle controllerHandle, char * channelIndex)

controllerHandle

channelIndex ABCDEFGH A 1 B 2 C 3
D 4 E 5 F 6 G 7 H 8
0 1 "11111111","10000000"

LH_SUCCEED

LHController_IDC_API

LHController_OutputVoltagePWMgradeON (LHController_Handle controllerHandle, int channelIndex, int pwmgrade)

PWM

controllerHandle

channelIndex 1~8
pwmgrade 000~255

LH_SUCCEED

LHController_IDC_API

```
LHController_Readalarm ( LHController_Handle controllerHandle,
                           char *                     alarm
                         )
```

controllerHandle

alarm ABCD— LED 0 LED
? 1 LED ? 2 ?A
1 B 2 C 3 D 4

LH_SUCCEED

LHController_IDC_API

```
LHController_ReadComBaudrate ( LHController_Handle controller  
                                int *                      baudrate  
                                )
```

controllerHandle

baudrate 7 “1”9600bps “2”
14400bps “3”19200bps “4”38400bps
“5”56000bps “6”57600bps “7”
115200bps

LH_SUCCEED

115200 bps

[LHController_IDC_API](#)

**LHController_ReadConstantVoltageMode (LHController_Handle c
int * n)**

controllerHandle

channelIndex 1~4

mode “0” “1”

LH_SUCCEED

LHController_IDC_API

```
LHController_ReadCurrent( LHController_Handle controllerHandle  
                           int channelIndex,  
                           int * current  
                           )
```

controllerHandle

channelIndex 1~4

current

LH_SUCCEED

LHController_IDC_API

```
LHController_ReadDefaultOutput( LHController_Handle controllerHandle  
                                int channelIndex,  
                                int * channelD  
                                )
```

controllerHandle
channelIndex 1~8
channelDefault “0” “1”

LH_SUCCEED

LHController_IDC_API

```
LHController_ReadExternalInputMode ( LHController_Handle cc  
                                int                      cl  
                                int *                  ex  
                                )
```

10

controllerHandle
channelIndex 1~4
externalmode I/O 0 1 2 3 IO
IO IO “2” I/O

LH SUCCEED

LHController_IDC_API

```
LHController_ReadExternalOutputIemode( LHController_Handle controllerHandle,  
                                int channelIndex,  
                                int *externalmode )
```

IO

controllerHandle

channelIndex 1~4

externalmode

I/O 0 IO 1 IO 2 IO
20ms 3 I/O IO IO

LH_SUCCEED

LHController_IDC_API

```
LHController_ReadInput( LHController_Handle controllerHandle,  
                           char *readInput )
```

IO

controllerHandle

readInput IO IO "0" IO "1" IO
1 IO 1 2 IO 3

LH_SUCCEED

LHController IDC API

```
LHController_ReadOutput ( LHController_Handle controllerHandle  
                           char *                      output  
                           )
```

10

controllerHandle

output “0” “1” 1 1 IO 2
2 IO “00000”

LH_SUCCEED

LHController IDC API

LHController_ReadOutputVoltage (**LHController_Handle** controller, **int** channel)

```
    int *  
)  
voltage
```

controllerHandle
channelIndex 1~4
voltage 0.1V

LH_SUCCEED

[LHController_IDC_API](#)
LHController_ReadOutputVoltagePWMgrade ([LHController_Handle](#)
int
int *
)

PWM

controllerHandle
channelIndex 1~8
pwmgrade 000~255

LH_SUCCEED

LHController_IDC_API

```
LHController_ReadTCPIP ( LHController_Handle controllerHandle,
                           char * serverIP,
                           char * serverSubnetMas
                           char * serverGateway,
                           char * clientIP,
                           int * serverport,
                           int * clientport
                         )
```

TCP

controllerHandle

serverIP IP
serverSubnetMask
serverGateway
clientIP IP
serverport
clientport

LH_SUCCEED

LHController_IDC_API
LHController_ReadTriggerWidth (**LHController_Handle controllerHandle**,
 int channelIndex,
 int * triggerWidth)

controllerHandle
channelIndex 1~8

triggerWidth

LH_SUCCEED

LHController_IDC_API
LHController_Readversion (**LHController_Handle controllerHandle**,
 char * version)

controllerHandle
version

LH_SUCCEED

LHController_IDC_API

LHController_Reboot (LHController_Handle controllerHandle)

controllerHandle

LH_SUCCEED

LHController_IDC_API

**LHController_Redtemperature (LHController_Handle controllerHandle
int * temperature
)**

controllerHandle

temperature

LH_SUCCEED

LHController_IDC_API

LHController_ReleaseSerialPort (LHController_Handle controllerHandle)

controllerHandle

LH_SUCCEED

LHController_IDC_API

LHController_Save (LHController_Handle controllerHandle)

controllerHandle

LH_SUCCEED

LHController_IDC_API

```
LHController_SedExternalInputMode ( LHController_Handle controllerHandle, int channelIndex, int externalmode )
```

IO

controllerHandle

channelIndex 1~4

externalmode I/O 0 1 2 3 IO
IO IO “2” I/O

LH_SUCCEED

LHController_IDC_API

```
LHController_SedExternalOutputMode ( LHController_Handle controllerHandle, int channelIndex, int externalmode )
```

IO

controllerHandle
channelIndex 1~4
externalmode I/O 0 IO 1 IO 2 IO
20ms 3 I/O IO IO

LH_SUCCEED

[LHController_IDC_API](#)

LHController_SetClientIP (**LHController_Handle controllerHandle**,
 char * clientIP
)

IP

controllerHandle
clientIP IP

LH_SUCCEED

[LHController_IDC_API](#)

LHController_SetClientPort (**LHController_Handle controllerHandle**,
 int clientport
)

controllerHandle
clientport

LH_SUCCEED

LHController_IDC_API
LHController_SetComBaudrate (LHController_Handle controllerH
 int baudrate
)

controllerHandle
baudrate 7 "1"9600bps "2"
 14400bps "3"19200bps "4"38400bps
 "5"56000bps "6"57600bps "7"
 115200bps

LH_SUCCEED

115200 bps

LHController_IDC_API

```
LHController_SetDefaultOutput( LHController_Handle controllerH  
                           int          channelInd  
                           int          channelDef  
                           )
```

controllerHandle

channelIndex 1~8

channelDefault “0” “1”

LH_SUCCEED

LHController_IDC_API

```
LHController_SetOutput( LHController_Handle controllerHandle,  
                        char *          output  
                        )
```

IO

controllerHandle

```
output      "0" "1" 1 1 IO  
           2 2 IO "00000"
```

LH_SUCCEED

LHController_IDC_API

```
LHController_SetOutputVoltage ( LHController_Handle controllerHandle,  
                                int channelIndex,  
                                int voltage  
)
```

```
controllerHandle  
channelIndex    1~4  
voltage         0.1V
```

LH_SUCCEED

LHController_IDC_API

```
LHController_SetOutputVoltageON ( LHController_Handle controllerHandle,  
                                    int channelIndex,  
                                    int voltage  
)
```

controllerHandle
channelIndex 1~4
voltage 0.1V

LH_SUCCEED

LHController IDC API

```
LHController_SetOutputVoltagePWMgrade ( LHController_Handle  
                                int  
                                int  
                                )
```

PWM

controllerHandle
channelIndex 1~8
pwmgrade 000~255

LH SUCCEED

LHController_IDC_API

LHController_SetOutputVoltagePWMgradeON ([LHController_Handle](#))

int

int

)

PWM

controllerHandle

channelIndex 1~8

pwmgrade 000~255

LH SUCCEED

LHController_IDC_API

LHController_SetServerGateway (**LHController_Handle controller**,

char *

gateway

controllerHandle

gateway

LH SUCCEED

LHController_IDC_API

LHController_SetServerIP (**LHController_Handle** controllerHandle
 char * serverip
)

IP

controllerHandle
serverip IP

LH_SUCCEED

LHController_IDC_API

LHController_SetServerPort (**LHController_Handle** controllerHandle
 int serverport
)

controllerHandle
serverport

LH_SUCCEED

LHController_IDC_API

LHController_SetServerSubnetMask (LHController_Handle controllerHandle, char * serverip)

controllerHandle

serverip

LH_SUCCEED

LHController_IDC_API

LHController_SetTheOutputCurrent (LHController_Handle controllerHandle, int channel, int current)

controllerHandle

channelIndex 1~4

current 20mA~1500mA

LH_SUCCEED

[**LHController_IDC_API**](#)

LHController_SetTheOutputCurrentON (**LHController_Handle** controllerHandle, int channelIndex, int current)

controllerHandle

channelIndex 1~4

current 20mA~1500mA

LH_SUCCEED

[**LHController_IDC_API**](#)

LHController_SetTriggerWidth (**LHController_Handle** controllerHandle, int channelIndex)

int
)
triggerWidth

controllerHandle
channelIndex 1~8
triggerWidth 0~9999 1ms

LH_SUCCEED

[LHController_IDC_API](#)
LHController_Synchronous_asynchronous ([LHController_Handle](#)
int
)

controllerHandle

version

LH_SUCCEED

LHController_IDC_API

```
LHController_TimeTrobeTrigger ( LHController_Handle controllerHandle,
                                int channelIndex,
                                int triggerWidth
                            )
```

controllerHandle

channelIndex 1~8

triggerWidth ms
0~9999

LH_SUCCEED

LHController_IDC_API

```
LHController_TurnoffChannel ( LHController_Handle controllerHandle,
                                int channelIndex
                            )
```

controllerHandle

controllerHandle
channelIndex 1~8

LH_SUCCEED



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- LH_ERR_BAUDRATE : **LHController_IDC**
- LH_ERR_BRIGHTNESSVALUE_FAILED : **LHController_IDC**
- LH_ERR_CHINDEX_LACK : **LHController_IDC**
- LH_ERR_CHINDEX_OUTRANGE : **LHController_IDC**
- LH_ERR_CLEAREDZALARM_FAILD : **LHController_IDC**
- LH_ERR_CREATEETHECON_FAILED : **LHController_IDC**
- LH_ERR_CURRENTCONSTABTVOLTAGEMODE_FAILED : **LHController_IDC**
- LH_ERR_CURRENTCROSSED : **LHController_IDC**
- LH_ERR_CURRENTON_FAILED : **LHController_IDC**
- LH_ERR_DEFAULT : **LHController_IDC**
- LH_ERR_DISCONNECTED : **LHController_IDC**
- LH_ERR_FORMAT_FAILD : **LHController_IDC**
- LH_ERR_INITSERIAL_FAILED : **LHController_IDC**
- LH_ERR_INVALIDHANDLE : **LHController_IDC**
- LH_ERR_MAXIMUM : **LHController_IDC**
- LH_ERR_OUTPUTVOLTAGEPWMGRADEON_FAILED : **LHController_IDC**
- LH_ERR_PARAMETER : **LHController_IDC**
- LH_ERR_PARAMETERERROR : **LHController_IDC**
- LH_ERR_READALARM_FAILD : **LHController_IDC**
- LH_ERR_READBRIGHTNESS_FAILED : **LHController_IDC**
- LH_ERR_READCURRENT_FAILED : **LHController_IDC**
- LH_ERR_READCURRENTCONSTABTVOLTAGEMODE_FAILED : **LHController_IDC**

- LH_ERR_READEXTERNALINPUTMODE_FAILED : **LHController_IDC**
- LH_ERR_READEXTERNALOUTPUTMODE_FAILED : **LHController_IDC**
- LH_ERR_READINPUT_FAILED : **LHController_IDC**
- LH_ERR_READOUTPUT_FAILED : **LHController_IDC**
- LH_ERR_READOUTPUTVOLTAGE_FAILED : **LHController_IDC**
- LH_ERR_READTCPIP_FAILED : **LHController_IDC**
- LH_ERR_READTRIGGERWIDTH_FAILED : **LHController_IDC**
- LH_ERR_READVERSION_FAILED : **LHController_IDC**
- LH_ERR_REBOOT_FAILED : **LHController_IDC**
- LH_ERR_REDTEMPERATURE_FAILED : **LHController_IDC**
- LH_ERR_SAVE_FAILED : **LHController_IDC**
- LH_ERR_SEDEXTERNALOUTPUTMODE_FAILED : **LHController_IDC**
- LH_ERR_SEND_DATA : **LHController_IDC**
- LH_ERR_SETCLIENTIP_FAILED : **LHController_IDC**
- LH_ERR_SETCLIENTPORT_FAILED : **LHController_IDC**
- LH_ERR_SETCOMBAUDRATE_FAILED : **LHController_IDC**
- LH_ERR_SETDEFAULTOUTPUT_FAILED : **LHController_IDC**
- LH_ERR_SETEXTERNALINPUTMODE_FAILED : **LHController_IDC**
- LH_ERR_SETOUPUT_FAILED : **LHController_IDC**
- LH_ERR_SETOUPUTVOLTAGE_FAILED : **LHController_IDC**
- LH_ERR_SETOUPUTVOLTAGEON_FAILED : **LHController_IDC**
- LH_ERR_SETOUPUTVOLTAGEPWMGRADE_FAILED : **LHController_IDC**
- LH_ERR_SETOUPUTVOLTAGEPWMGRADEON_FAILED : **LHController_IDC**
- LH_ERR_SETSERVERGATEWAY_FAILED : **LHController_IDC**
- LH_ERR_SETSERVERIP_FAILED : **LHController_IDC**
- LH_ERR_SETSERVERPORT_FAILED : **LHController_IDC**
- LH_ERR_SETSERVERSUBNETMASK_FAILED : **LHController_IDC**
- LH_ERR_SETTGEOUTPTCURRENT_FAILED : **LHController_IDC**
- LH_ERR_SETTGEOUTPTCURRENTON_FAILED : **LHController_IDC**
- LH_ERR_SETTRIGGERWIDTH_FAILED : **LHController_IDC**

- LH_ERR_STROBETRIGGER_FAILED : **LHController_IDC**
- LH_ERR_TRIGGERWIDTH : **LHController_IDC**
- LH_ERR_TURNOFFCH_FAILED : **LHController_IDC**
- LH_ERR_TURNONCH_FAILED : **LHController_IDC**
- LH_ERR_UNKNOWN : **LHController_IDC**
- LH_ERR_VOLTAGE : **LHController_IDC**
- LH_ERR_VOLTAGECRISSED : **LHController_IDC**
- LH_SUCCEED : **LHController_IDC**
- LHController_AStrobeTrigger() : **LHController_IDC**
- LHController_Clearedzalarm() : **LHController_IDC**
- LHController_CreateEtheConnectionByIP() : **LHController_IDC**
- LHController_CurrentConstantVoltageMode() : **LHController_IDC**
- LHController_CurrentON() : **LHController_IDC**
- LHController_DestroyEtheConnection() : **LHController_IDC**
- LHController_Format() : **LHController_IDC**
- LHController_Handle : **LHController_IDC**
- LHController_IDC_API : **LHController_IDC**
- LHController_InitSerialPort() : **LHController_IDC**
- LHController_ManyStrobeTrigger() : **LHController_IDC**
- LHController_OutputVoltagePWMgradeON() : **LHController_IDC**
- LHController_Readalarm() : **LHController_IDC**
- LHController_ReadComBaudrate() : **LHController_IDC**
- LHController_ReadConstantVoltageMode() : **LHController_IDC**
- LHController_ReadCurrent() : **LHController_IDC**
- LHController_ReadDefaultOutput() : **LHController_IDC**
- LHController_ReadExternalInputIemode() : **LHController_IDC**
- LHController_ReadExternalOutputIemode() : **LHController_IDC**
- LHController_ReadInput() : **LHController_IDC**
- LHController_ReadOutput() : **LHController_IDC**
- LHController_ReadOutputVoltage() : **LHController_IDC**
- LHController_ReadOutputVoltagePWMgrade() :
LHController_IDC
- LHController_ReadTCPIP() : **LHController_IDC**
- LHController_ReadTriggerWidth() : **LHController_IDC**
- LHController_Readversion() : **LHController_IDC**
- LHController_Reboot() : **LHController_IDC**
- LHController_Redtemperature() : **LHController_IDC**
- LHController_ReleaseSerialPort() : **LHController_IDC**
- LHController_Save() : **LHController_IDC**
- LHController_SetExternalInputIemode() : **LHController_IDC**

- LHController_SetExternalOutputMode() : **LHController_IDC**
- LHController_SetClientIP() : **LHController_IDC**
- LHController_SetClientPort() : **LHController_IDC**
- LHController_SetComBaudrate() : **LHController_IDC**
- LHController_SetDefaultOutput() : **LHController_IDC**
- LHController_SetOutput() : **LHController_IDC**
- LHController_SetOutputVoltage() : **LHController_IDC**
- LHController_SetOutputVoltageON() : **LHController_IDC**
- LHController_SetOutputVoltagePWMgrade() : **LHController_IDC**
- LHController_SetOutputVoltagePWMgradeON() :
LHController_IDC
- LHController_SetServerGateway() : **LHController_IDC**
- LHController_SetServerIP() : **LHController_IDC**
- LHController_SetServerPort() : **LHController_IDC**
- LHController_SetServerSubnetMask() : **LHController_IDC**
- LHController_SetTheOutputCurrent() : **LHController_IDC**
- LHController_SetTheOutputCurrentON() : **LHController_IDC**
- LHController_SetTriggerWidth() : **LHController_IDC**
- LHController_Synchronous_asynchronous() : **LHController_IDC**
- LHController_TimeTrobeTrigger() : **LHController_IDC**
- LHController_TurnoffChannel() : **LHController_IDC**
- LHController_TurnoffTurnonChannel() : **LHController_IDC**
- LHController_TurnonChannel() : **LHController_IDC**

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- LHController_CurrentON() : **LHController_IDC**
- LHController_DestroyEtheConnection() : **LHController_IDC**
- LHController_Format() : **LHController_IDC**
- LHController_InitSerialPort() : **LHController_IDC**
- LHController_ManyStrobeTrigger() : **LHController_IDC**
- LHController_OutputVoltagePWMgradeON() : **LHController_IDC**
- LHController_Readalarm() : **LHController_IDC**
- LHController_ReadComBaudrate() : **LHController_IDC**
- LHController_ReadConstantVoltageMode() : **LHController_IDC**
- LHController_ReadCurrent() : **LHController_IDC**
- LHController_ReadDefaultOutput() : **LHController_IDC**
- LHController_ReadExternalInputIemode() : **LHController_IDC**
- LHController_ReadExternalOutputIemode() : **LHController_IDC**
- LHController_ReadInput() : **LHController_IDC**
- LHController_ReadOutput() : **LHController_IDC**
- LHController_ReadOutputVoltage() : **LHController_IDC**
- LHController_ReadOutputVoltagePWMgrade() :
LHController_IDC
- LHController_ReadTCPIP() : **LHController_IDC**
- LHController_ReadTriggerWidth() : **LHController_IDC**
- LHController_Readversion() : **LHController_IDC**

- LHController_Reboot() : **LHController_IDC**
- LHController_Redtemperature() : **LHController_IDC**
- LHController_ReleaseSerialPort() : **LHController_IDC**
- LHController_Save() : **LHController_IDC**
- LHController_SedExternalInputIemode() : **LHController_IDC**
- LHController_SedExternalOutputIemode() : **LHController_IDC**
- LHController_SetClientIP() : **LHController_IDC**
- LHController_SetClientPort() : **LHController_IDC**
- LHController_SetComBaudrate() : **LHController_IDC**
- LHController_SetDefaultOutput() : **LHController_IDC**
- LHController_SetOutput() : **LHController_IDC**
- LHController_SetOutputVoltage() : **LHController_IDC**
- LHController_SetOutputVoltageON() : **LHController_IDC**
- LHController_SetOutputVoltagePWMgrade() : **LHController_IDC**
- LHController_SetOutputVoltagePWMgradeON() :
LHController_IDC
- LHController_SetServerGateway() : **LHController_IDC**
- LHController_SetServerIP() : **LHController_IDC**
- LHController_SetServerPort() : **LHController_IDC**
- LHController_SetServerSubnetMask() : **LHController_IDC**
- LHController_SetTheOutputCurrent() : **LHController_IDC**
- LHController_SetTheOutputCurrentON() : **LHController_IDC**
- LHController_SetTriggerWidth() : **LHController_IDC**
- LHController_Synchronous_asynchronous() : **LHController_IDC**
- LHController_TimeTrobeTrigger() : **LHController_IDC**
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- LH_ERR_INVALIDHANDLE : **LHController_IDC**
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- LH_ERR_PARAMETER : **LHController_IDC**
- LH_ERR_PARAMETERERROR : **LHController_IDC**
- LH_ERR_READALARM_FAILD : **LHController_IDC**
- LH_ERR_READBRIGHTNESS_FAILED : **LHController_IDC**
- LH_ERR_READCURRENT_FAILED : **LHController_IDC**
- LH_ERR_READCURRENTCONSTABTVOLTAGEMODE_FAILED : **LHController_IDC**

- LH_ERR_READEXTERNALINPUTMODE_FAILED : **LHController_IDC**
- LH_ERR_READEXTERNALOUTPUTMODE_FAILED : **LHController_IDC**
- LH_ERR_READINPUT_FAILED : **LHController_IDC**
- LH_ERR_READOUTPUT_FAILED : **LHController_IDC**
- LH_ERR_READOUTPUTVOLTAGE_FAILED : **LHController_IDC**
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- LH_ERR_SEDEXTERNALOUTPUTMODE_FAILED : **LHController_IDC**
- LH_ERR_SEND_DATA : **LHController_IDC**
- LH_ERR_SETCLIENTIP_FAILED : **LHController_IDC**
- LH_ERR_SETCLIENTPORT_FAILED : **LHController_IDC**
- LH_ERR_SETCOMBAUDRATE_FAILED : **LHController_IDC**
- LH_ERR_SETDEFAULTOUTPUT_FAILED : **LHController_IDC**
- LH_ERR_SETEXTERNALINPUTMODE_FAILED : **LHController_IDC**
- LH_ERR_SETOUPUT_FAILED : **LHController_IDC**
- LH_ERR_SETOUPUTVOLTAGE_FAILED : **LHController_IDC**
- LH_ERR_SETOUPUTVOLTAGEON_FAILED : **LHController_IDC**
- LH_ERR_SETOUPUTVOLTAGEPWMGRADE_FAILED : **LHController_IDC**
- LH_ERR_SETOUPUTVOLTAGEPWMGRADEON_FAILED : **LHController_IDC**
- LH_ERR_SETSERVERGATEWAY_FAILED : **LHController_IDC**
- LH_ERR_SETSERVERIP_FAILED : **LHController_IDC**
- LH_ERR_SETSERVERPORT_FAILED : **LHController_IDC**
- LH_ERR_SETSERVERSUBNETMASK_FAILED : **LHController_IDC**
- LH_ERR_SETTGEOUTPTCURRENT_FAILED : **LHController_IDC**
- LH_ERR_SETTGEOUTPTCURRENTON_FAILED : **LHController_IDC**
- LH_ERR_SETTRIGGERWIDTH_FAILED : **LHController_IDC**

- LH_ERR_STROBETRIGGER_FAILED : **LHController_IDC**
 - LH_ERR_TRIGGERWIDTH : **LHController_IDC**
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 - LH_ERR_VOLTAGE : **LHController_IDC**
 - LH_ERR_VOLTAGECRISSED : **LHController_IDC**
 - LH_SUCCEED : **LHController_IDC**
 - LHController_Handle : **LHController_IDC**
 - LHController_IDC_API : **LHController_IDC**
-

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API Instructions

The screenshot shows a software application window. At the top is a blue header bar with a grid icon on the left and the text "LHController_VDC v1.0.1" in the center. Below the header is a navigation bar with several items, some of which are collapsed. The main content area is currently empty. At the bottom right of the screen, there is a page number indicator "[1 2]".

⋮

[1 2]

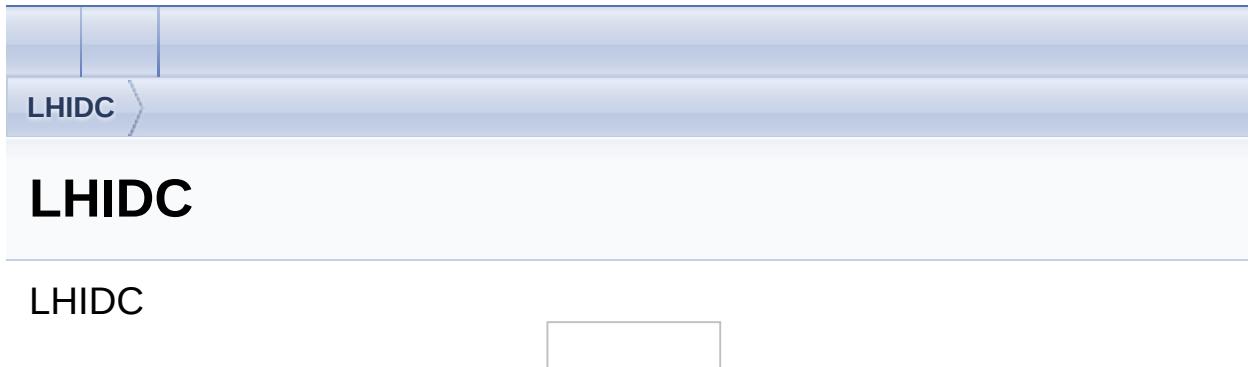
▼ LHIDC

LHController_IDC

AuthorRex Van 2017/8/30

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API Instructions



LHController_IDC []

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