

1. SEND COMMAND

URL Address: **http://{b-connect-ip-address}/expeth/cmd**

TCP port: **80**

Header: **Content-Type:application/json**

Body:

```
{
  "destination": "exp_eth",
  "header": "command",
  "payload": "{\"commandId\":\"2\"}",
  "description": "",
  "response": ""
}
```

Risposta status-code 200 // Command Successful

Risposta status-code 400 //Command not recognized or Erroneous Request content

Risposta status-code 500 //Command unsuccessful due to error on the gate/barrier

For every status-code the following message will be attached:

```
{
  "destination": "",
  "header": "command",
  "payload": {"commandId":"2"},
  "description": "err-xx", // empty if no error occurs
  "response": "fail" // fail / success
}
```

COMMAND LIST	COMMAND_ID
Opening	2
Closing	4
STOP	1
Pedestrian	16

1. REQUEST INFO

URL Address: **http://{b-connect-ip-address}/expeth/info**

TCP port: **80**

Header: **Content-Type:application/json**

Body:

```
{
  "destination": "exp_eth",
  "header": "command",
  "payload": "{\"infocode\":\"1\"}",
  "description": "",
  "response": ""
}
```

Risposta status-code 200 // Command Successful

Risposta status-code 400 //Command not recognized or Erroneous Request content

Risposta status-code 500 //Command unsuccessful due to error on the gate/barrier

INFO REQUEST	INFO_CODE
Gate/Barrier Status	1
Gate/Barrier Status	2
Gate/Barrier Statistics	3
Errors list	4
System Info	5
All data	6

For every info request one of the following replies is possible:

INFO CODE 1

```
{
  "destination": "",
  "header": "systemInfo",
  "payload": {
    "infoCode": 1,
    "statusOfGate1": 5,
    "statusOfGate2": 0
  },
  "description": "",
  "response": "success"
}
```

Status Dictionary:

UNKNOWN: 0,
OPENING: 1,
STOP_DURING_OPENING: 2,
CLOSING: 3,
STOP_DURING_CLOSING: 4,
OPEN_COMPLETE: 5,
CLOSE_COMPLETE: 6,
UNLOCKED: 7,
UNKNOWN_POS: 8,
OPENING_UNKNOWN_POS: 9,
STOP_DURING_OPENING_UNKNOWN_POS: 10,
CLOSING_UNKNOWN_POS: 11,
STOP_DURING_CLOSING_UNKNOWN_POS: 12,
OPEN_COMPLETE_UNKNOWN_POS: 12,
CLOSE_COMPLETE_UNKNOWN_POS: 13,
UNLOCKED_UNKNOWN_POS: 14,

INFO CODE 2

```
{
  "destination": "",
  "header": "systemInfo",
  "payload": {
    "infoCode": 2,
    "posOfGate1": 0, // 0= Completely Closed, 15= Completely Open
    "posOfGate2": 0 // 0= Completely Closed, 15= Completely Open
  },
  "description": "",
  "response": "success"
}
```

INFO CODE 3

```
{
  "destination": "",
  "header": "systemInfo",
  "payload": {
    "infoCode": 3,
    "numberOfManoeuvres": 924,
    "blackOutNumber": 25,
    "powerOnDays": 299,
    "workingHours": 7
  },
  "description": "",
  "response": "success"
}
```

INFO CODE 4

```
{
  "destination": "",
  "header": "systemInfo",
  "payload": {
    "infoCode": 4,
    "alarm_0": 2,      \\ ALARM 2
    "alarm_1": 255,   \\ NO ALARM
    "alarm_2": 255,   \\ NO ALARM
    ...
    "alarm_9": 255    \\ NO ALARM
  },
  "description": "",
  "response": "success"
}
```

Alarm Dictionary:

"alarm 0": "FUSE",	"alarm 28": "BATT",
"alarm 1": "OFST",	"alarm 29": "BTLO",
"alarm 2": "PROT",	"alarm 30": "COM1",
"alarm 3": "SECO",	"alarm 31": "COM2",
"alarm 4": "DATA",	"alarm 32": "COM3",
"alarm 5": "MOT1",	"alarm 33": "COM4",
"alarm 6": "MOT2",	"alarm 34": "COM5",
"alarm 7": "STOP",	"alarm 35": "noPH",
"alarm 8": "ENE1",	"alarm 36": "SENS",
"alarm 9": "ENE2",	"alarm 40": "FE",
"alarm 10": "ENE3",	"alarm 41, ": "UNDERV",
"alarm 11": "ENE4",	"alarm 42, ": "STFAIL1",
"alarm 12": "ENE5",	"alarm 43, ": "FCFAIL1",
"alarm 13": "ENE6",	"alarm 44, ": "OVTRQ1",
"alarm 14": "ENE7",	"alarm 45, ": "SPSLOW1",
"alarm 15": "ENE8",	"alarm 46, ": "SPERR1",
"alarm 16": "EN1_1",	"alarm 47, ": "STFAIL2",
"alarm 17": "EN1_2",	"alarm 48, ": "FCFAIL2",
"alarm 18": "EN1_3",	"alarm 49, ": "OVTRQ2",
"alarm 19": "EN1_4",	"alarm 50, ": "SPSLOW2",
"alarm 20": "EN1_5",	"alarm 51, ": "SPERR2",
"alarm 21": "EN2_1",	"alarm 52, ": "EE",
"alarm 22": "EN2_2",	"alarm 53": "APP.E",
"alarm 23": "EN2_3",	"alarm 54": "APP.L",
"alarm 24": "EN2_4",	"alarm 55": "BMOD",
"alarm 25": "EN2_5",	"alarm 56": "ASST",
"alarm 27": "TEMP",	

INFO CODE 5

```
{
  "destination": "",
  "header": "systemInfo",
  "payload": {
    "infoCode": 5,
    "PCS": "0.0.1",
    "fwVer": "01.13.03",    // firmware version of B-Connect
    "hwVer": "01.02",      // hardware version of B-Connect
    "fwVerCu": "P2.49",    // firmware of the control board connected to the B-Connect
    "hwVerCu": 3,          // hardware of the control board connected to the B-Connect
    "BootloaderVerCu": 110 // bootloader of the control board connected to the B-Connect
  },
  "description": "",
  "response": "success"
}
```

INFO CODE 6

All the above code in one single command.