

**DC500 accept downlink command to configure the unit.**

**Below is an example for changing the devices setting.**

**Default setting in DC500**

```
=====
=      (C) COPYRIGHT 2020 Dingtek      =
=====
V3.0 For HPMB_1.3 Hardware
data is error

        timeout!! user program is running 3.0
PWR CSR : 00000000
temp: 03
PIN RESET or POWER ON or Software RESET!
TestTimes:   1 min
UPloadTime:  24 h
AlarmBatt:   20 %
AlarmCounter: 500
Workmode:    1.
Debuglog:    1.
LoraMode: 1
Open LSE OK!
First power on,Save next periodic upload time 86400
DR7 is 0 before write
////////////////////////////////////
```

**DC500 is having a default setting of 24hrs report time and 500 count report and 20% battery alarm.**

**Downlink command is required to send to Fport 01 or Fport 03**

**1) Change the periodic upload time. Default 24hrs**

Command:80029999010A81                    where 0A = 10 hours

**2) Change the counter report. Default 500 count**

Command:800299990201F481                where 01F4 = 500 count

**3) Change battery alarm %, Default 20%**

Command: 0029999051481                  where 14 = 20 %

Example by using Multitech Network server to send the downlink to change into 1 hour report time.

DOWNLINK QUEUE DETAILS	
ID	56
Device EUI	8c-f9-57-20-
Port	1
Size	7
Ack	No
Priority	0
Retry Max	0
Retry Cnt	0
Payload (base64)	gAKZmQEBgQ== <a href="#">copy</a>
Payload (hex)	80029999010181 <a href="#">copy</a>
Queued	13/10/2021, 11:53:00

[OK](#)

Confirmation uplink message indicated “03” will be received after downlink sent

800002030d000a1801f4140081

```
13/10/2021, 13:35:09 b51e58d1.b99188
msg.payload : buffer [13]
800002030d000a1801f4140081
```

All other required setting could be referred to the Dingtek documents.

**Uplink example.**

**Uplink message will be received in Fport 3 as below.**

////////////////////////////////////

**Example :800002011500000000016F00000000000000010081**

80: packet head

00: default00

02: device type

01: data type02

15: packet length

0000: people count

00: people count status,battery status,00 means

00: default 00

0165: battery voltage, 0165 means 3.67V

000000000000: default 0

0001: frame count, the first data

00: default00

81: packet tail