

DC500 accept downlink command to configure the unit.

Below is an example for changing the devices setting.

Default setting in DC500

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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

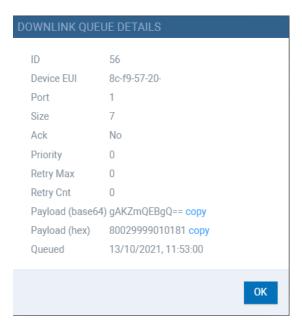
3) Change battery alarm %, Default 20%

Command: 0029999051481 where 14 = 20 %

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



Confirmation uplink message indicated "03" will be received after downlink sent 800002030d000a1801f4140081



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

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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

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