

# 8bottle Bluetooth Protocol Specification

## 8bottle 蓝牙协议说明

设备蓝牙 BLE 名字为: **8bottle**(建议 APP 可自动扫描出此名称, 然后页面提示用户点击配对)

The Bluetooth name of the device is **8bottle** (it is recommended that the app can automatically scan this name and the page prompts the user to click pairing)

### 1、获取设备软件版本 (Obtain device software version)

APP 发送 (APP sent): `getfwver`

设备回 (device back): `FWVER=23-11-10 V01`

### 2、获取设备硬件版本 (Obtain device hardware version)

APP 发送(APP sent):`gethdver`

设备回 (device back): `HDVER=HSC03_V01`

### 3、获取设备电池电量 (例如 20%) (Obtain device battery volume) (for example 20%)

APP 发送(APP sent):`getbatter`

设备回 (device back): `batter=20`

### 4、获取电源插头状态 (插入=0, 没插入=1)

(Obtain the status of the power (have power =0, haven't power=1))

APP 发送(APP sent): `getpower`

设备回 (device back): `power=1`

### 5、校准设备时间指令 (2023 年 11 月 16 日 15 点 35 分 30 秒)

(Calibration device time command ( for example: Nov 16th, 2023 15:35:30))

APP 发送(APP sent): `settime=231116153530`

设备回应 (device back): `settime ok`

### 6、获取设备时间指令 (2023 年 11 月 16 日)

(Obtain Device date Command (for example: Nov 16, 2023 ))

APP 发送(APP sent): `getdate`

设备回应 (device back): `date=231116`

### 7、获取设备时间指令 (10 点 20 分 30 秒)

(Obtain Device date Command (for example: 10:20:30am))

APP 发送(APP sent): `gettime`

设备回应 (device back): `time=102030`

### 8、空杯校准指令 Empty Cup Calibration Command

**\*Please make sure that if calibration with cap on(or not), please keep cap as the same for next**

following steps.

APP 发送(APP sent):calibration1

设备回应(Device back): calibration1 ok

9、获取当前奶瓶食品容量 (确保称重是 0)

Obtain current liquid capacity of the bottle, make sure calibration 1 is done.

APP 发送(APP sent) : getcapacity

设备回应(device back): water=0

10、校准 480ML 重量 指令 Calibration with 480ml liquid command

APP 发送(APP sent): calibration2

设备回应(device back) : calibration2 ok

11、获取当前奶瓶食品容量

Obtain current liquid capacity of the bottle, make sure calibration 2 is done.

APP 发送(APP sent) : getcapacity

设备回应(device back): water=480

12、饮水量清零指令 reset % of water drank to be 0%.

APP 发送 (APP sent): formatting

设备回应 (Device back): formatting ok

Check the % on the bottle display : 10%

13、设置当天喝水目标容量 Set the daily goal capacity of drinking milk

(xxx 取值范围 100-5000ml) (xxx value range is 100ml-5000ml)

APP 发送(APP sent): setmaxcapacity=1000

设备回应(device back): setmaxcapacity ok

14、进行喝水动作 Drinking some water 1<sup>st</sup>

获取当前杯子中水容量

Obtain current liquid capacity of the bottle ( for example: 380ml)

APP 发送(APP sent) : getcapacity

设备回应(device back): water=380

Check the % on the bottle display : 10%

Drinking some water 2<sup>nd</sup>

....

15、获取当天喝水量指令 (Obtain command for the amount of drinking of a day)

APP 发送(APP sent): getwater

设备回应 (device back):

喝水次数编号 Number of times to drink milk	喝水量 ML (drinking/ ML )	当天喝水时间 时分 Time to
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		drinking( H,Min)
milk1,	100,	08,20
milk2,	86,	12,20
milk3,	230,	16,50
... 等等, 根据喝水次数返回最大 100 次 and so on, Returns a maximum of 100 times based on the number of times milk is consumed	...	...
<b>totalwater (喝水量总和)</b>	<b>580mL</b>	

注释: 协议中 “,” 是数据分隔符号,当天喝水时间的“年月日”数据在手机 APP 软件上获取。  
**Note: In the protocol, "," is the data separator symbol, and the "year, month, day" data of the drinking time on that day should be obtained on the mobile app software.**

如果设备回应: none 表示设备当前没有喝水数据

**If the device responds with 'none', it indicates that the device currently does not have drinking data**

#### 15、获取一周喝水量指令 (Obtain command for the amount of drinking of a week)

APP 发送(APP sent): **getweekwater**

设备回应 (device back): **day1water=0...day7water=0**

**For example: day 1 drink water 860, so the device back: day1water=860 day2water=0 day3water=0...day7water=0.**

\*Please kindly know that the day1 is based on the Calibration device time command

#### 16. Pouring out the water (please make sure empty the bottle).

Check % of water drank first, and then empty the bottle, then check the % of water drank.

#### **Other functions:**

1. Hold the bottle body and pick up will show “HELLO”
2. No power on & power off, because the battery can use a long time.
3. The toggle sequence of the display information by touching is: HELLO → % of drank → battery volume → PAIR or N/A.
4. Wireless charge: Type-C port.
5. Standby: without BLE connected and without operation, Bluetooth will keep 1mins.  
With BLE connected and without operation, Bluetooth will keep 3mins.
6. Capacity: 500ml.
7. Weight: 556g.

#### **FCC Caution.**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**Note:** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

**\*RF warning for Portable device:**

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

