

User Menu of hFon Collect

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Taking off the battery Cover



User Menu of hFon Collect

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Revisions

Revision	Date	Author	Description
0	05.07.2010	Maher Khoury	First Draft

Product Description

"HFON COLLECT" Using ANT collect data sent via GPRS to a service terminal, the following instructions for use

This is a data acquisition device, not as a phone call purposes, can be carried on key ring

1 Scientific Aims

hFon Collect is a device that will collect data from other ANT products and save it into the memory. The data can be send out through the GSM Modem integrated ANT or through the USB interface.

1.1 Mandatory requirements:

- dimensions (approx.): for base Module
- Memory of at least 1 GB.
- GSM Modem for GPRS sending max. USB Interface to communicate with PC.

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1.2 How to use

1) Press “on/off” KEY AND HOLD 3S FOR STAR THE COLLECT

2) PRESS “SWITCH”KEY FOR HOLD THE KEY.

The button and LED can be used as follows:

- 1- Pressing the button for longer than 3 Seconds the hFon Collect will go on the Blue LED will stay on.
- 2- Pressing the Button when the device is on for longer than 3 seconds it will go off. The Blue LED will also go off.
- 3- Pressing the button while it is on three times short the device will check for any updates. The Green LED will go on until the update is finished. If the update was not successful the RED LED will flash for 30 seconds.
- 4- Pressing the button for three times short and then long for more than 3 seconds and less the 10 seconds, the device will send actual data (not sent yet) through the GPRS. The green LED will flash as long as the data have been sent. If the data was not sent properly the RED LED will flash for 30 seconds.
- 5- Pressing the button for three times short and then long for more than 10 seconds, the device will go into pairing mode for ANT. The code is always “8888”. The Blue LED will be flashing at that time. After pairing is successful the Green LED will stay on for 30 seconds. If the pairing was not successful then the RED LED will flash for 3 Seconds.
- 6- If Data has been received from an ANT device the LED will flash for 5 seconds. If the data transfer is not successful the Red LED will flash for 10 seconds.
- 7- While sending data through GPRS automatically The green LED will flash as long as the data have been sent. If the data was not sent properly the RED LED will flash for 30 seconds.
- 8- It is important that a log file will be saved so the user can see what happened during the button functionality.
- 9- The device should make it possible that the application have an access to the button and LEDs. This should be done through an SDK supplied for HMM to make the applications.

CONNECT PC the Application show the following functions:

- 1- To have almost all device Profiles from HMM Products.
- 2- To make a back ground scan for sending devices. A search list should be implemented in the configuration file.
- 3- To be able to check for updates and download them. The updates can be the complete application or only configuration files. If we work on the Web site there have to be a possibility to download this into the hFon Collect.
- 4- Setup parts for ANT and GSM functionality.
- 5- To send data out through GPRS if an address is been set and the setup program is set to send data out through GPRS. If the setup is set to synchronize either with PC through USB or to another ANT collecting device through ANT.
- 6- To communicate with the device to control the button and LEDs.

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Device specifications:

This specification is preliminary and will be settled after technical discussion from both parties.

Brand Name	hFon Collect
Communication	GSM/GPRS, ANT , USB
Memory	1 GB at flash Ram at least
Date and Time Capable	Yes
Connectors	USB Connector
Miscellaneous	1 Button and 3 LED (Blue, green and RED).

Safety:

When you start to use this product , please pay attention to the following information: for safety concerns, you should only wear the wrist watch on your wrist and the device should Not be worn on the inside of the wrist(Such as palm side) or in any other configurations during transmission. If damaged, please do not attempt repair for yourself.

1.for safety concerns, This equipment should be operated with minimum distance 1.5 cm between the radiator&your body.

2. GSM/GPRS function will be restricted directly due to the product being in operating and USB connection status.

FCC Warning:

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

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.

This equipment meets the government's requirements for exposure to radio waves.

The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health.

The exposure standard for this product employs a unit of measurement known as the Specific Absorption Rate, or SAR, The SAR limit set by the FCC is 1.6 W/Kg.

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

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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.