BCA Network Module

BCA network module is a peripheral part designed to work with our BCA series Body Composition Analyzer, make the device more convenient to operate through your mobile devices or cloud backend.

- Connect to WiFi / Intranet automatically.
- Operate BCA through mobile phone/tablet/PC by WiFi/bluetooth.
- Test results uploaded to cloud automatically.
- Make more printers available for BCA.
- Develop your own App on web API.



Connection

We recommend different connection mode for different BCA divice model.

For BCA-2A/1D, it use ethernet to communicate with this module, so we connect module to BCA with ethernet cable. For BCA-1A/1B, it use serial(RS232) port to communicate with this module, so we conncet module to BCA with RS232-USB Upper





Connect module to BCA through RS232-USB cable (For BCA 1A/1B)



Connect module to BCA through ethernet cable (For BCA 2A/1D)



Connect module to BCA through RS232-USB cable (For BCA-1C) Printer connection is optional, or you can use a USB wifi (for WiFi connection) to take the place.

Configuration

Before your first use, you need to config the module. 1. Power on the module (plug in micro usb power cord).

2. Use your mobile phone/pad/laptop to connect the hotspot "**BCA-AP**", which is a wireless hotsport powered by the module.The passoword is "12345678".

3. Use your browser to open the url: **192.168.9.1**/ **en**, you will see the BCA control center home page. (if you visit 192.168.9.1, use password 6688 to get into control page).

Basic Configuration

In control center page, press "Configuration" to enter Basic Configuration page. Fill the parameters as your situation.The Machine ID is labeled at the back of your module.It should not be changed!

Printer Setup

After you connect to a printer, click "Printer Setup" to enter printer page.Press "Add Printer", to install your printer, in case your printer is detected, its driver will be installed. Try "Print Test Page".

BCA	Control	Center	V4.1

IP:192.168.7.60

- Configuration
- BCA runing state
- Printer Setup
- Printing Position
- Set Date
- Wifi Setup
- Net Mode
- Web Test
- Records



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Set Printer C	Fill in config information
Select the proper printer	Server Address http://47.93.157.150:3001
Add Printer Printer: Not installed	Machine ID
Printer Status	Machine Model BCA-1C V
Note: Will search all USB-connected printer	Print Auto v
Print Test Page	Unit Name
Delete Printer	Unit Code 0
Please make sure the printer is connected	Save
Back	Please fill in machine information according to your BCA device.
\leftarrow \rightarrow \bigcirc 12 :	Back

Our wireless module support the following printers: HP LaserJet 1020 plus, HP LaserJet 1106, HP DeskJet 1112, Samsung ML2161

Other printe may not be supported.

Start a Test

There're 2 ways to start a web test:

(1) Connect your mobile phone to the BCA-AP hotsport, then browse 192.168.9.1/test, you can get to the web test page.

(2) If you have an App and using our API, connect the module to your local wifi/intranet, you can use your App to operate our BCA device.

*Please contact us for web API.

(3) In our web test page, input personal information, then press "Start Test", your BCA device will get into measurement process. After measurement finished, you press "Result", all result data will show in your phone.

(4) You can browse history records or print current record (in case your module is connected to a printer).

(5) In History Records page, all your test data and charts are available.

(6) From Index page, you can jump into "Records" page to check all the test records of anyone who have tested in the modules.

How to connect to Internet

There're 2 ways to connect your device to internet:

(1) Use ethernet wire. First change net mode to "Wired Mode", reboot your device and plug in a ethernet wire, the BCA device will be assigned a IP address by DHCP from your router. The IP is displayed in control page.

(2) If you have an Wifi, fillin your wifi account information in "Wifi Setup", then change net mode to Wifi Mode, then restart your device. The machine will automatically connect to your Wifi.

*On Wifi mode, BCA-AP hotspot is not available!

So, in case your failed to connect to your wifi, switch back to Default mode. (Click BCA screen to Inquiry page, reboot the network module, it will return to Default Mode again).



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Tester Information

* ID	9	
* Name	Sandy	
* Sex	Female	
* Height	179	
* BirthYear	1979	



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Body Composition Analysis

ID:9 Name:Sandy Test Date:2019-03-22

	62.9	4	15	1547.8
	Score	Q Body Age		⊎ BMR(kcal)
	ltem		Result	Normal Scope
	Weigh	t(kg)	75.8	59.3-76.6
↑	Fat(kg)	26.2	13.6-21.2
ſ	PBF(%) ð	34.6	18.0-28.0
Ļ	Water	Water(kg)		40.9-50.0
Ļ	Muscl	Muscle(kg)		46.9-57.3
↓	Protei	n(kg)	10.2	10.6-12.9
Ļ	Bone(l	kg)	3.2	3.4-4.2
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Control your BCA at your finger

Tongfang Health Technology Co.,Ltd.