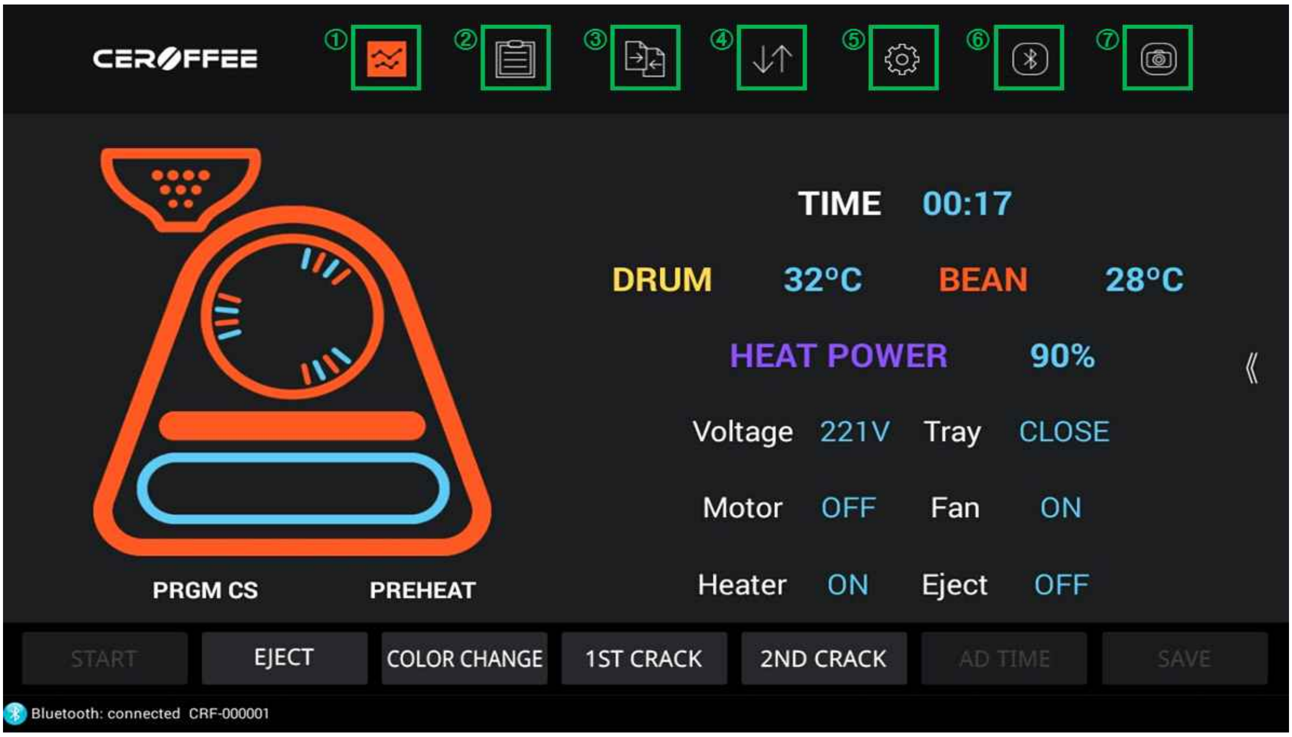
## PRECAUTIONS

1. When you use the app, you must startafterconnectingthedevicesandbringalloftheprofiles.
2. It is recommended that you do not connect as much as possible during roasting.
   (May cause an error)

## ■ HOW TO USE CEROFFEE APP

### [1] Start the app and explanation of the upper menu



TIME 00:17
DRUM 32°C BEAN 28°C
HEAT POWER 90%
Voltage 221V Tray CLOSE
Motor OFF Fan ON
Heater ON Eject OFF
Bluetooth: connected CRF-000001

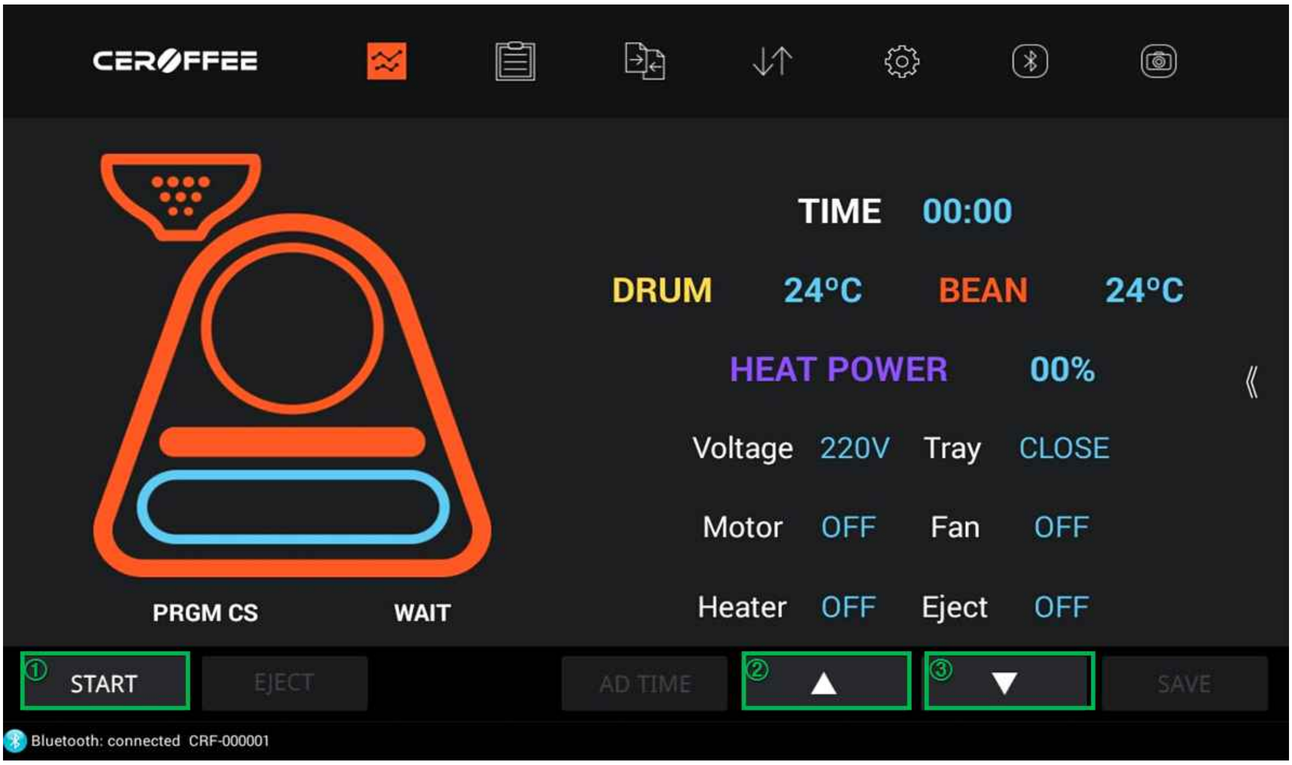
① roasting monitoring page: monitor the situation in real-time roasting.
② profile view and edit pages: users can view and edit by viewing saved profile.
③ Roasting chart confirmation page: it can be compared to the other roasting chart by viewing saved one.
④ Profile Download/Upload page: Users can share the created profile and can download other users' shared profile.
⑤ Settings page: It provides the login and account settings, the ability of feature to change the Bluetooth connectivity password, choose to display temperature in Celsius and Fahrenheit.
⑥ Bluetooth connection button: Button that provides the connection feature between Bluetooth and roasting rack.
⑦ Screen Capture button: screenshot the current screen.

**** Turn on the app, and press the Bluetooth connection button (⑥)**

▶ Click the scan for devices from the pop-up screen
▶ Select a CEROFFEE roster from the list of discovered devices
▶ Enter the connection password and press OK.
▶ Connection is completed with devices if the equipment names show at the foot of screen.

## [2] Description for the roasting Monitoring Page

### ▶ Standby


CERØFFEE
PRGM CS
WAIT
《
① START
EJECT
AD TIME
② ▲
③ ▼
SAVE

TIME 00:00

DRUM 24°C BEAN 24°C

HEAT POWER 00%

Voltage 220V Tray CLOSE

Motor OFF Fan OFF

Heater OFF Eject OFF

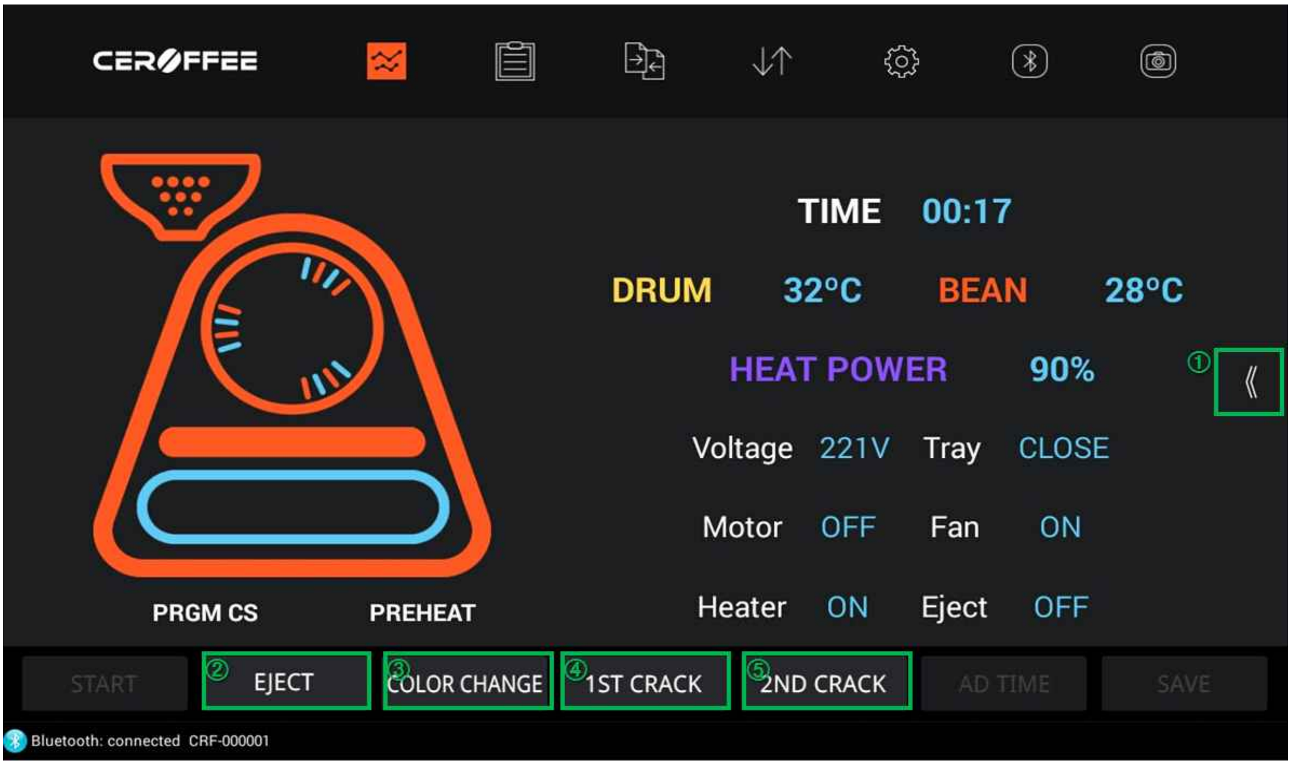
Bluetooth: connected CRF-000001

① Press the START button to starts the roasting

②, ③ ▲ ▼ button to select a profile

### ▶ Roasting is in progress

Page 1↘


CERØFFEE
PRGM CS
PREHEAT
① 《
START
② EJECT
③ COLOR CHANGE
④ 1ST CRACK
⑤ 2ND CRACK
AD TIME
SAVE

TIME 00:17

DRUM 32°C BEAN 28°C

HEAT POWER 90%

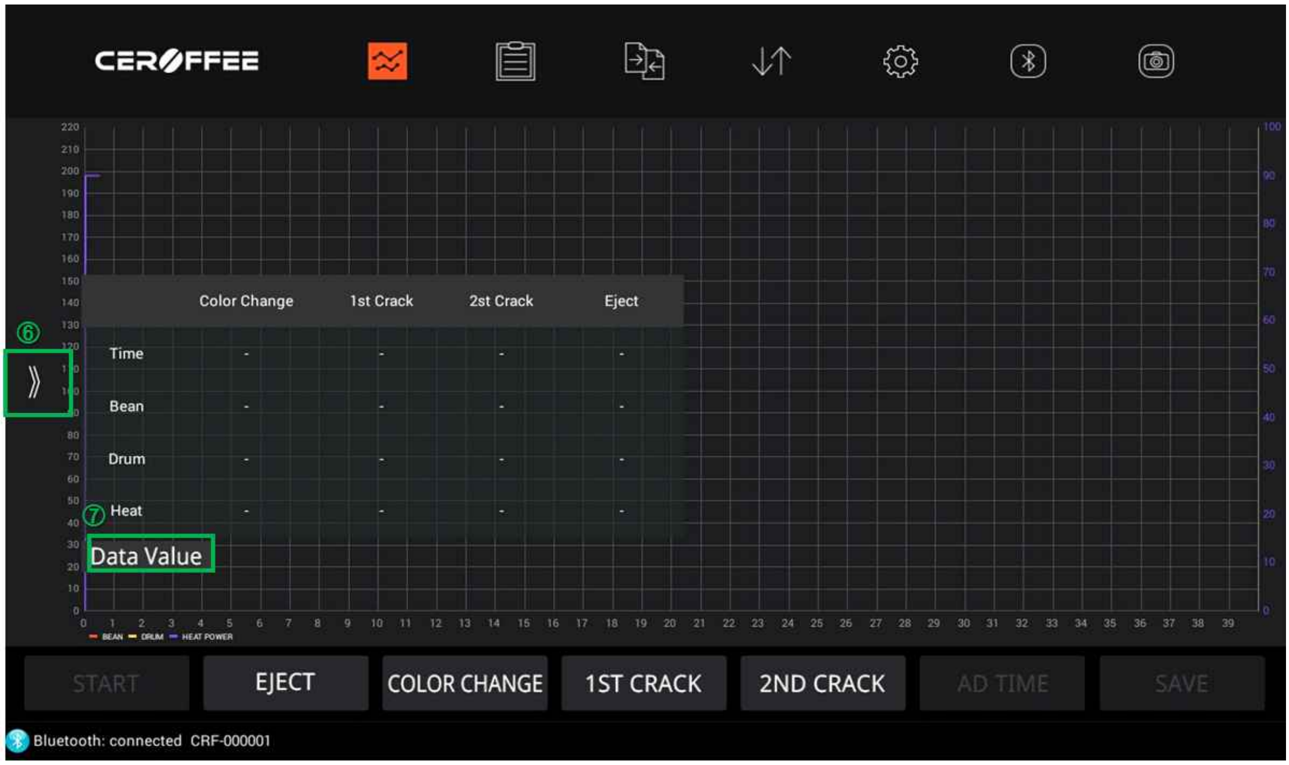
Voltage 221V Tray CLOSE

Motor OFF Fan ON

Heater ON Eject OFF

Bluetooth: connected CRF-000001

Page 2↴


CEROFFEE
⑥
⟫
⑦
Data Value
220
210
200
190
180
170
160
150
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
BEAN
DRUM
HEAT POWER
START
EJECT
COLOR CHANGE
1ST CRACK
2ND CRACK
AD TIME
SAVE

| | Color Change | 1st Crack | 2st Crack | Eject |
|---|---|---|---|---|
| Time | - | - | - | - |
| Bean | - | - | - | - |
| Drum | - | - | - | - |
| Heat | - | - | - | - |

Bluetooth: connected CRF-000001

① Turn over into page2 which shows the roasting chart

② Eject button: to stop roasting and eject the roasted beans. Changing into cooling mode.

③ Color change Button: Color change line will be indicated on the graph when you press the button.

④ 1st crack Button: 1st crack line will be indicated on the graph when you press the button.

⑤ 2nd crack Button: 2nd crack line will be indicated on the graph when you press the button.

(The buttons of number ③, ④, ⑤ can be pressed only once and not able to cancel the process.)

⑥ turn over to the page1 that shows the roasting status information.

⑦ Data Value Button: The details will be shown when pressing the button of view details.

** When roasting in the roaster machine should begin to start to draw a graph from the app.

▶ Press each buttons to indicate when it obtained as 1st crack, 2nd crack and color change during the process of roasting from Preheating (PH) to maintenance06(HD06).

▶ Save button is activated when the roasting is finished by switching to Cooling mode.

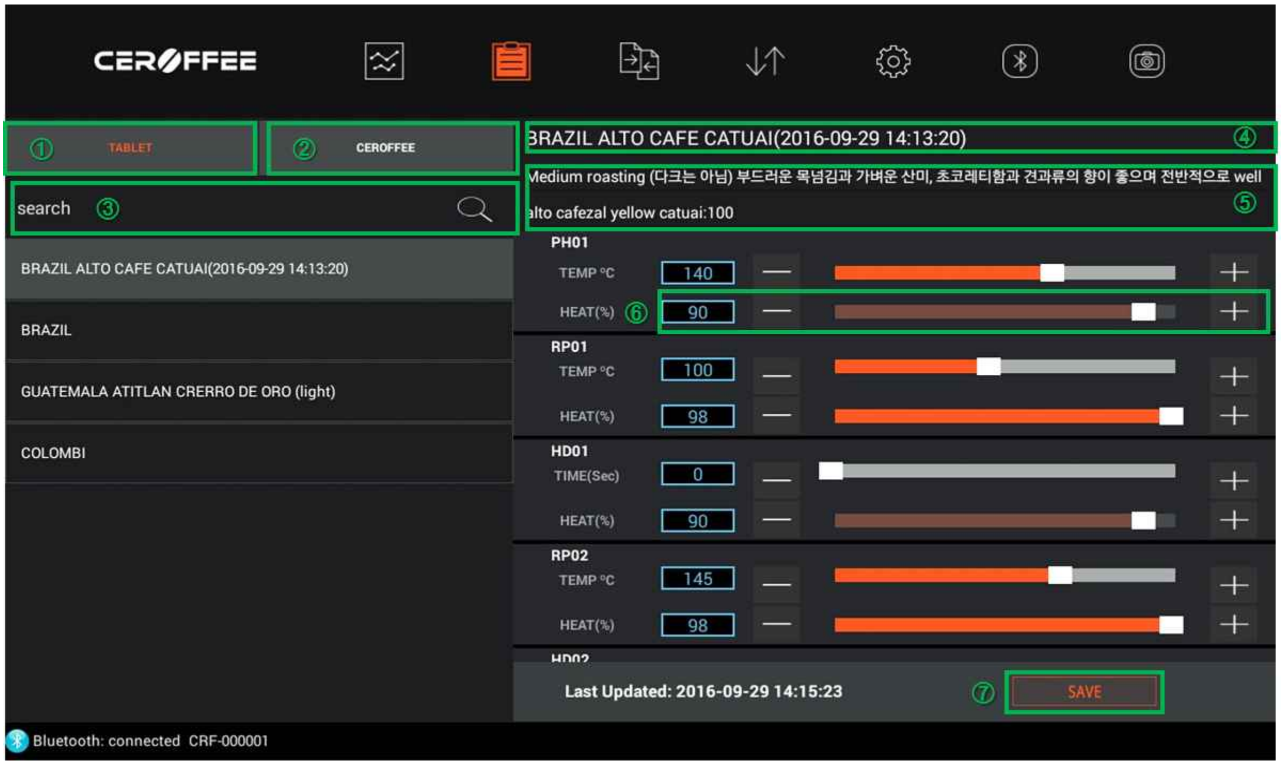
▶ A pop-up which is asking whether it saves the graph or not When Click the Save button.

▶ Graph is being saved once write the graph name and press OK.

▶ Pop-up comes on right after asking to save the profile.

▶ Profile is being saved once write the profile name and press OK.

## [3] The profile view and description for the edit pages.



BRAZIL ALTO CAFE CATUAI(2016-09-29 14:13:20)
BRAZIL
GUATEMALA ATITLAN CRERRO DE ORO (light)
COLOMBI

BRAZIL ALTO CAFE CATUAI(2016-09-29 14:13:20)

Medium roasting (다크는 아님) 부드러운 목넘김과 가벼운 산미, 초코레티함과 견과류의 향이 좋으며 전반적으로 well
alto cafezal yellow catuai:100

PH01
TEMP °C 140
HEAT(%) 90

RP01
TEMP °C 100
HEAT(%) 98

HD01
TIME(Sec) 0
HEAT(%) 90

RP02
TEMP °C 145
HEAT(%) 98

HD02

Last Updated: 2016-09-29 14:15:23

Bluetooth: connected CRF-000001

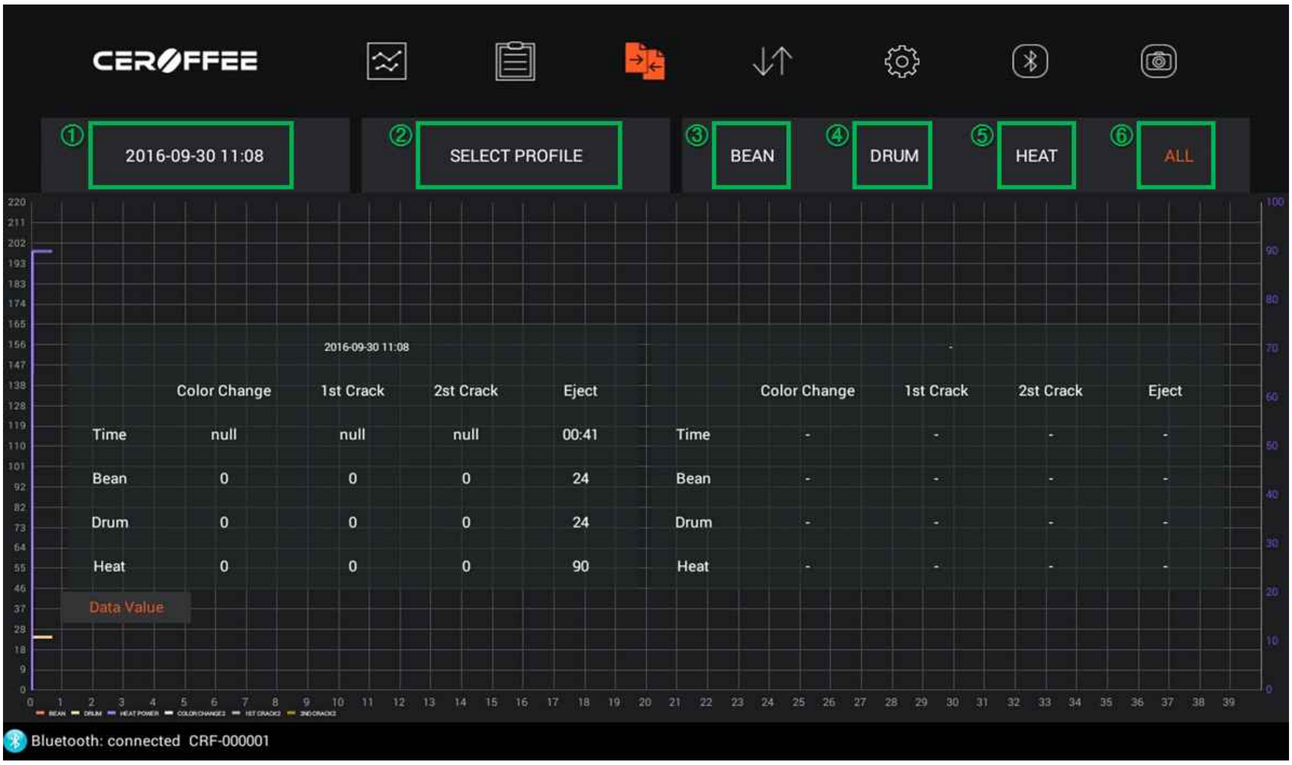
① It shows a list of profiles stored in the app.
② It shows by importing saved profiles in roaster.
③ Search for specific profiles in the profile of the current list.
④ Profile name. The name can be changed by pressing the appropriate area.
⑤ Description areas of the profile. It's modifiable to press.
⑥ Buttons to adjust for each of the figures - it can be adjusted by writing numbers directly / and by using the scroll and +- buttons.
⑦ save: button to save and then edit the profile

** select the profile you want to edit, and then adjust the value of each section in the profile from PH01 to HD06 and press the save button to complete changing profiles.

** Editable information: Profile name, notes, profile values

** If you press and hold one profile in the list, pop-up will be shown that can copy or delete the profiles.

## [4] Page description for the confirmation of the roasting chart


CER∅FFEE
①
2016-09-30 11:08
②
SELECT PROFILE
③
BEAN
④
DRUM
⑤
HEAT
⑥
ALL
Data Value
220 211 202 193 183 174 165 156 147 138 128 119 110 101 92 82 73 64 55 46 37 28 18 9 0
100 90 80 70 60 50 40 30 20 10 0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39
BEAN DRUM HEAT POWER COLOR CHANGE2 1ST CRACK2 2ND CRACK2

2016-09-30 11:08

| | Color Change | 1st Crack | 2st Crack | Eject |
|---|---|---|---|---|
| Time | null | null | null | 00:41 |
| Bean | 0 | 0 | 0 | 24 |
| Drum | 0 | 0 | 0 | 24 |
| Heat | 0 | 0 | 0 | 90 |

-

| | Color Change | 1st Crack | 2st Crack | Eject |
|---|---|---|---|---|
| Time | - | - | - | - |
| Bean | - | - | - | - |
| Drum | - | - | - | - |
| Heat | - | - | - | - |

Bluetooth: connected CRF-000001

① First graph selection window: If you select only one graph, it shows only one graph, and if you choose two graphs, it can be compared between both paragraphs.
② Select the second graph window
③ Bean: only show the bean graphs
④ Drum: only show the drum temperature graphs.
⑤ Heat: only show the heater power graph.
⑥ All: show all the beans, drum, and heater power graphs

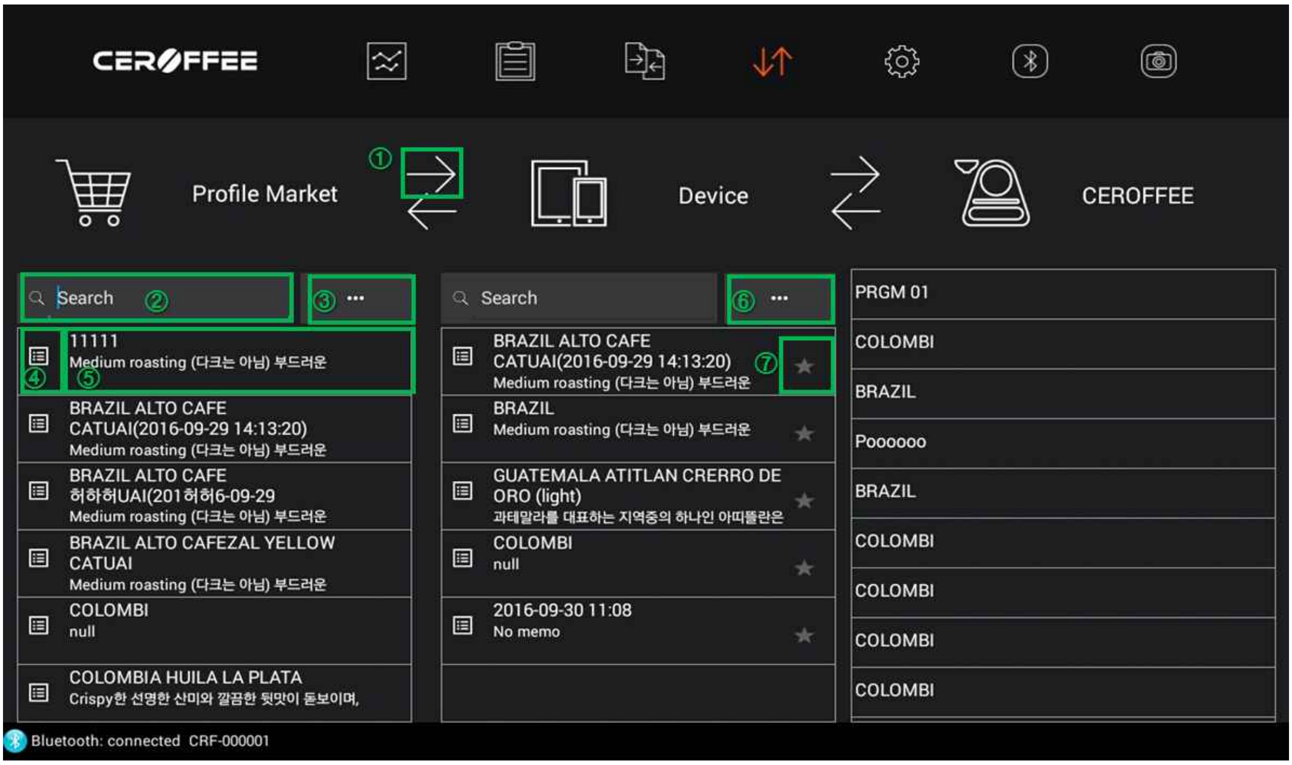
** First selected graph is composed of a color that is made up of the original graph; the second selected graph is shown by a bit thicker line and light color.

** If you press the data value button, you can view the detailed data like a monitoring page, and graph portion can be zoom in and zoom out in a way of pinch-to-zoom.

** You can see the time and temperature of certain parts by moving the guide when you view the parts of the graph.

** It’s able to clear the graph if you press and hold one of the graphs in the list.

## [5] Profile Download / Upload page description

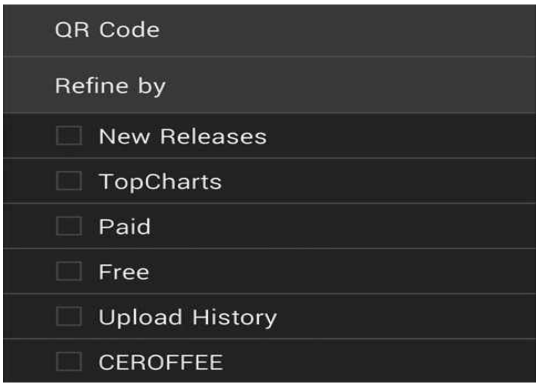

CEROFFEE
①
Profile Market
Device
CEROFFEE
Search ②
③ ···
Search
⑥ ···
11111
Medium roasting (다크는 아님) 부드러운
④
⑤
BRAZIL ALTO CAFE CATUAI(2016-09-29 14:13:20)
Medium roasting (다크는 아님) 부드러운
BRAZIL ALTO CAFE 허하허UAI(201허허6-09-29
Medium roasting (다크는 아님) 부드러운
BRAZIL ALTO CAFEZAL YELLOW CATUAI
Medium roasting (다크는 아님) 부드러운
COLOMBI
null
COLOMBIA HUILA LA PLATA
Crispy한 선명한 산미와 깔끔한 뒷맛이 돋보이며,
BRAZIL ALTO CAFE CATUAI(2016-09-29 14:13:20) ⑦
Medium roasting (다크는 아님) 부드러운
BRAZIL
Medium roasting (다크는 아님) 부드러운
GUATEMALA ATITLAN CRERRO DE ORO (light)
과테말라를 대표하는 지역중의 하나인 아띠뜰란은
COLOMBI
null
2016-09-30 11:08
No memo
PRGM 01
COLOMBI
BRAZIL
Poooooo
BRAZIL
COLOMBI
COLOMBI
COLOMBI
COLOMBI
Bluetooth: connected CRF-000001

** The screen is divided into three parts, the left one show a profile in the profile market, the middle one is the profile that stored in the device, and the right one is the profile based on the roaster machine.

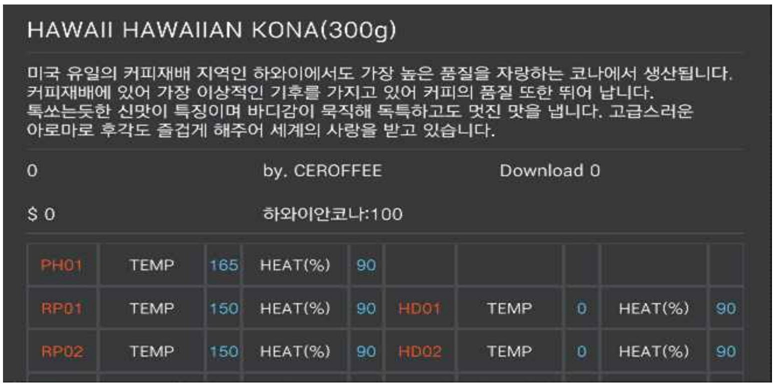
** Select the profile you want to download, and press the arrow position, transfer will be started.

① The profile is downloaded once you select the file to download and press the arrow button.
② Profile search function
③ Pop-up window will be shown which is able to recognize profile with QR code and to choose sort of profiles by fumes
④ It's able to see the details of the profile.
⑤ Select the profile
⑥ Pop-up window that has several functions such as back up the user's profile and recover will be shown (It is a feature that can be shown only when you log-in.)
⑦ Rating button: When you express your preferences, it will be displayed in the top position of the sorting profiles.
⑧ Profile upload to the server: you can share non-registered profile on the server.

Number ③pop-up↴


QR Code
Refine by
☐ New Releases
☐ TopCharts
☐ Paid
☐ Free
☐ Upload History
☐ CEROFFEE

Number ④pop-up↴


HAWAII HAWAIIAN KONA(300g)

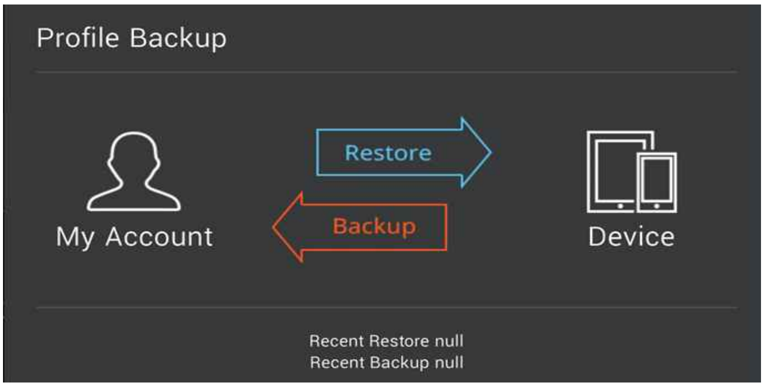
미국 유일의 커피재배 지역인 하와이에서도 가장 높은 품질을 자랑하는 코나에서 생산됩니다.
커피재배에 있어 가장 이상적인 기후를 가지고 있어 커피의 품질 또한 뛰어 납니다.
톡쏘는듯한 신맛이 특징이며 바디감이 묵직해 독특하고도 멋진 맛을 냅니다. 고급스러운
아로마로 후각도 즐겁게 해주어 세계의 사랑을 받고 있습니다.

0 by. CEROFFEE Download 0

$ 0 하와이안코나:100

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| PH01 | TEMP | 165 | HEAT(%) | 90 | | | | | |
| RP01 | TEMP | 150 | HEAT(%) | 90 | HD01 | TEMP | 0 | HEAT(%) | 90 |
| RP02 | TEMP | 150 | HEAT(%) | 90 | HD02 | TEMP | 0 | HEAT(%) | 90 |

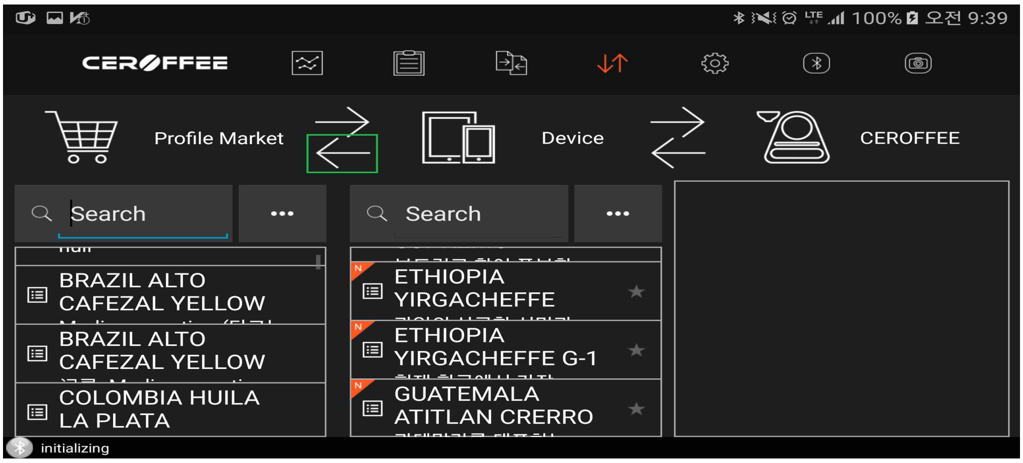
Number ⑥pop-up→


Profile Backup
My Account
Restore
Backup
Device

Recent Restore null
Recent Backup null

**for the number 6 pop-up window, you can store your own profiles into your accounts if you create your account and log-in. Even if your device is changed or updated in progress, it is possible to recover anytime without worries of the loss.

Upload the number⑧↴


100% 오전 9:39
CEROFFEE
Profile Market
Device
CEROFFEE
Search
•••
Search
•••
BRAZIL ALTO CAFEZAL YELLOW
BRAZIL ALTO CAFEZAL YELLOW
COLOMBIA HUILA LA PLATA
N
ETHIOPIA YIRGACHEFFE
N
ETHIOPIA YIRGACHEFFE G-1
N
GUATEMALA ATITLAN CRERRO
initializing

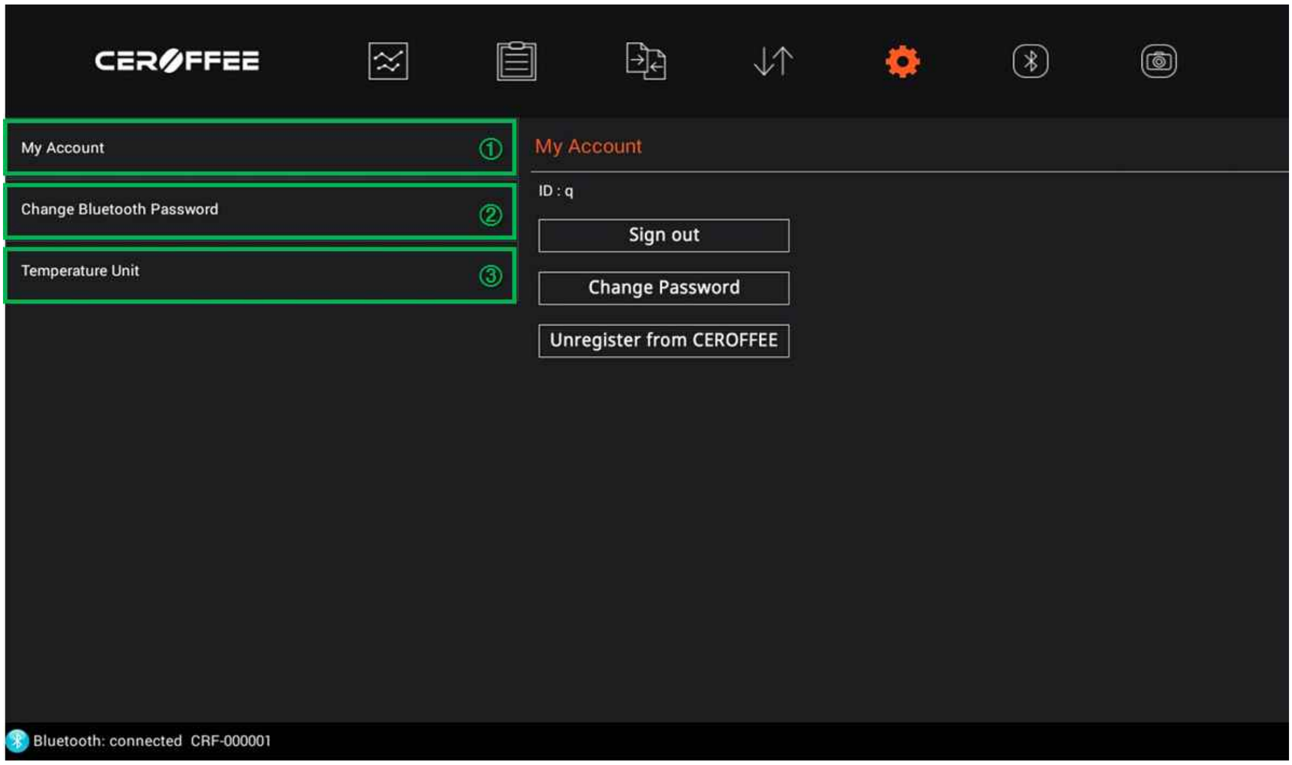
▶ ** To the profile market after select the device's profile ← you can share your profile with CEROFFEE users since you can upload profile to the server when you send it.

** Uploaded profiles to the server are only able to delete by uploaded accounts.

**But, you must fill in the precise roasting name, an additional description, source, etc. When you put on the server.

Please keep it in mind that just in case, if there are no details and clear roasting profile names, server manager will delete the info on a regular basis.

# [6] Setting pages description


CEROFFEE
My Account ①
Change Bluetooth Password ②
Temperature Unit ③
My Account
Sign out
Change Password
Unregister from CEROFFEE

ID : q

Bluetooth: connected CRF-000001

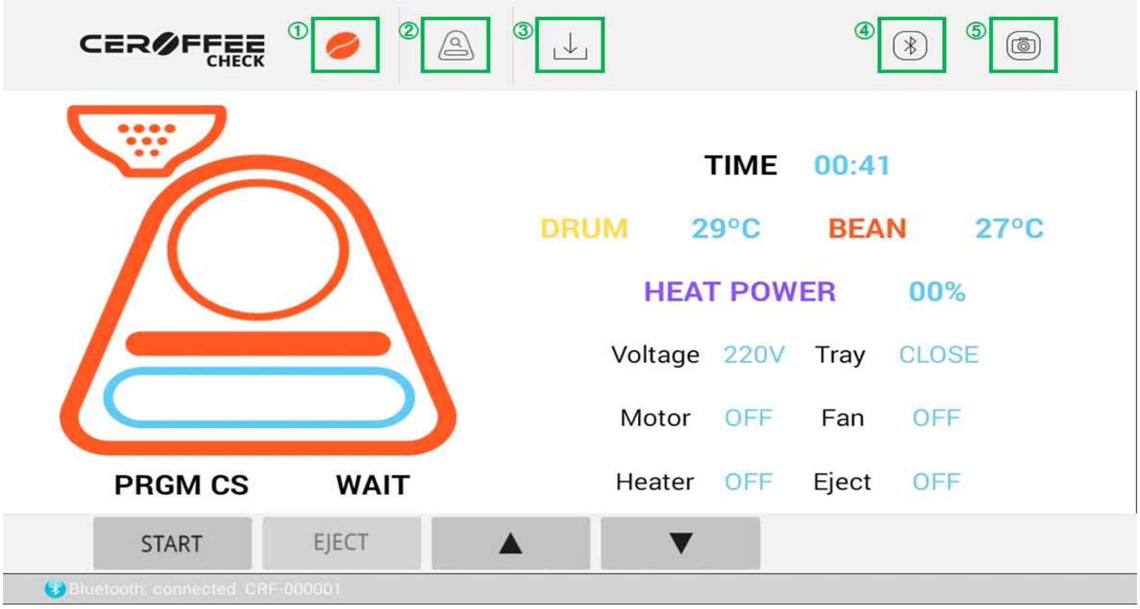
① It includes some features such as create a user account, login/logout, change password, withdrawal function of membership.

② change the password when connecting Bluetooth.

③ can be a Fahrenheit / Celsius conversions

## ■ HOW TO USE THE CEROFFEE CHECK APP

### [1] Description for the CEROFFEE CHECK



TIME 00:41

DRUM 29°C BEAN 27°C

HEAT POWER 00%

Voltage 220V Tray CLOSE

Motor OFF Fan OFF

Heater OFF Eject OFF

PRGM CS WAIT

Bluetooth: connected CRF-000001

① Roasting monitoring page: Roasting can be monitored by looking at the current picture page.

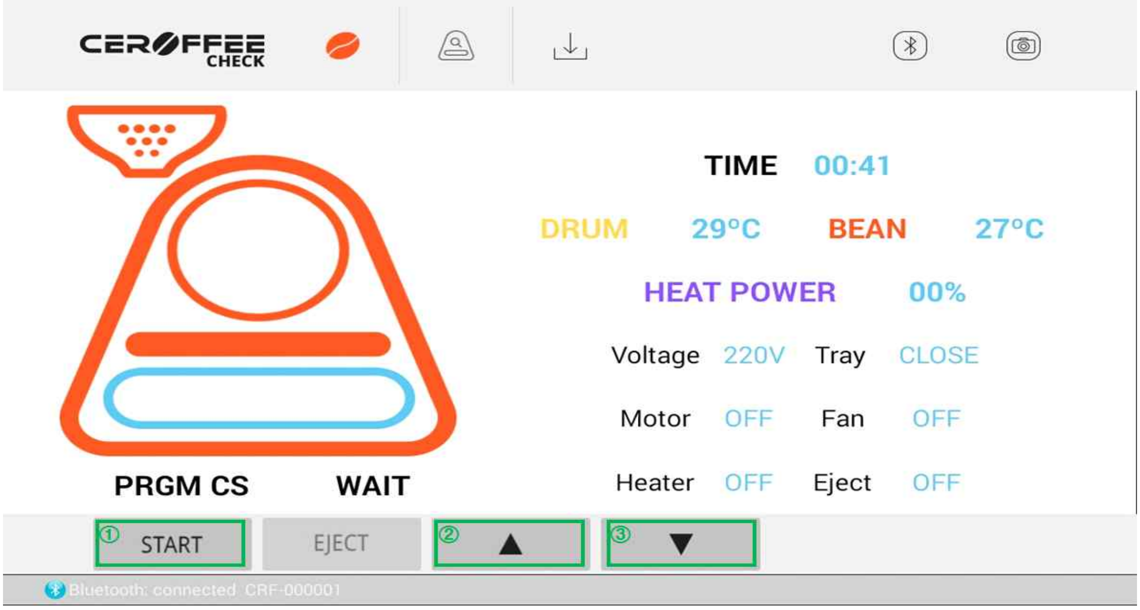
② CEROFFEE automatic/single page: provides automatic testing and independent test to check the detect of roaster machine.

③ Firmware Update: To be a future service

④ Bluetooth connection button: Button that provides the Bluetooth connectivity feature with roaster rack.

⑤ Screen Capture button: should capture the current screen

### [2] Page Description for The roasting Monitoring



TIME 00:41

DRUM 29°C BEAN 27°C

HEAT POWER 00%

Voltage 220V Tray CLOSE

Motor OFF Fan OFF

Heater OFF Eject OFF

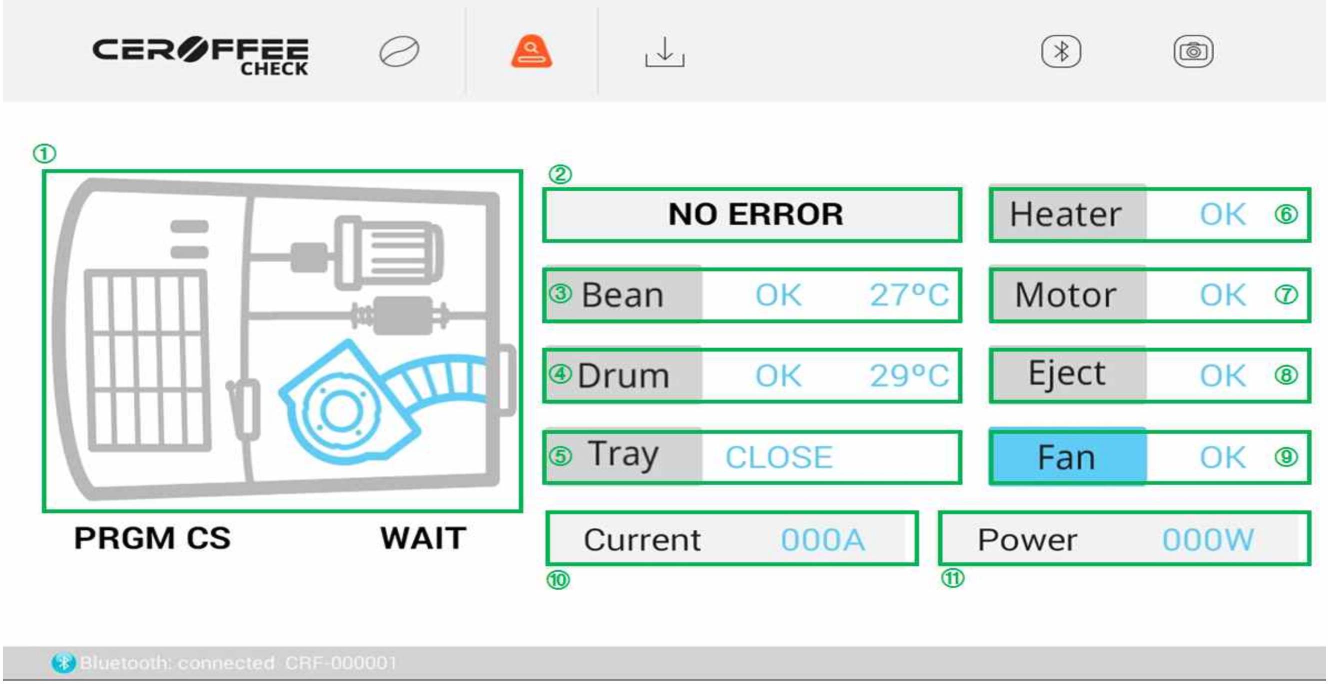
PRGM CS WAIT

Bluetooth: connected CRF-000001

① Press the START button to start the roasting

②, ③ ▲ ▼ button where you can select a profile

## [3] Page description for CEROFFEE CHECK automatic /single page



① This image has visualized the sensors (bean temperatures, drum temperatures, tray, heater, motor, eject and pan) inside the device. When in operation, it shows sky-blue color, and it shows as a gray color when it doesn't work, and it can be orange color when there's an error.

② Error messages status window: If an error occurs, an error message appears, and if you press this, more details will be shown about the errors.

③ It notices whether the bean temperature sensor is working properly or not

④ It notices whether the drum temperature sensor is working properly or not.

⑤ It notices whether the tray is open or close by limit sensor.

⑥ Heater: the heater button to test sensor operation.

⑦ Motor: the motor to operate the test button

⑧ Eject: Button to test the solenoid parts of soybean emissions.

⑨ Fan: Fan control button to test the operation.

⑩ It shows the electric current.

⑪ It shows the power.

*** If you enter the test page while the roasting proceed, active sensors will be shown automatically and it will be turned into orange color if there is any problem. (Automatic test)

*** The buttons from ⑥~⑨, it can proceed the single test for each sensor when the roaster is wait state. It can be shown as a blue-sky color when that sensor is activated. And test will be terminated if you press the Fan button one more time. Single test will be automatically terminated after press the Fan button for one minute.

When an error occurs during the test, it appears as an orange color button with the 'Not Okay' message.

If it is not working, it will appear into gray Fan button.

## Additional Matters

1. You can upload a profile to the server after logging in to your personal account, and you can share with any CEROFFEE users once you uploaded profile.

2. The profile uploaded by personal accounts on the server, it can be deleted only by that account... (CEROFFEE administrators can also delete that account.)

3. If you press the back-up button after logging in to your personal account, saved profile on your mobile devices will be automatically backed up. And even if you always change or delete the profile on your phone, you can get back to the profile that was backed up if you press the "restore" button on that account.