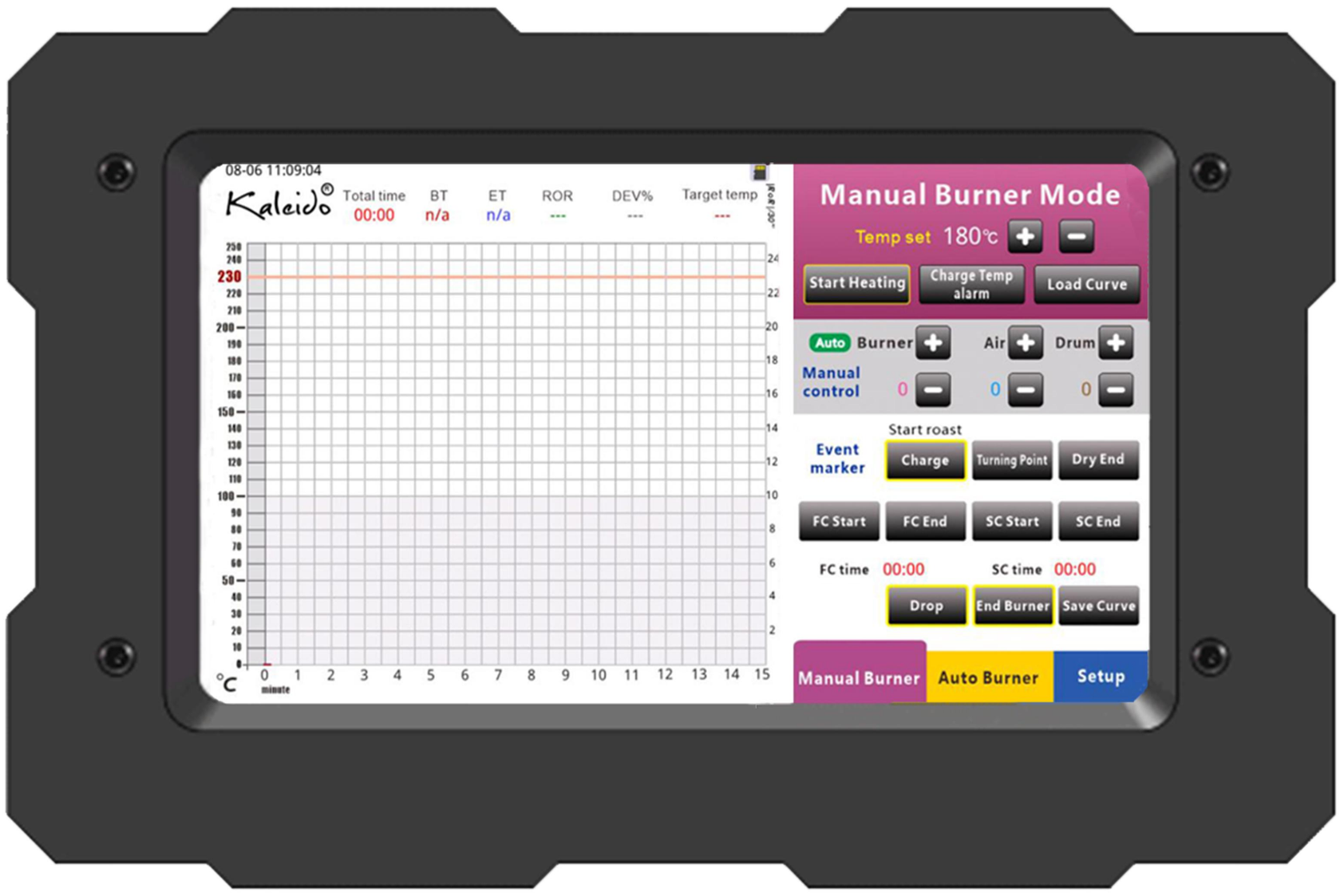
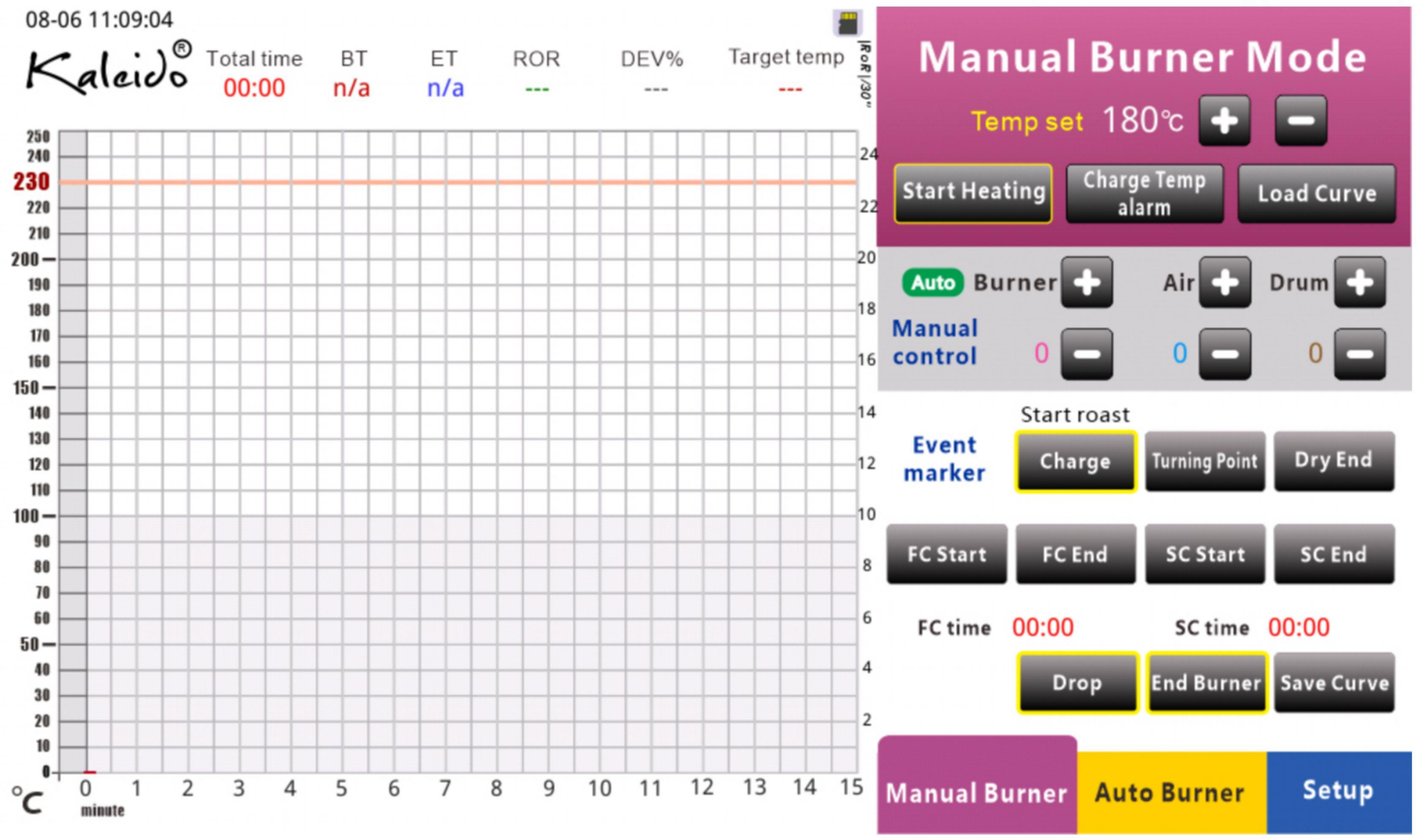
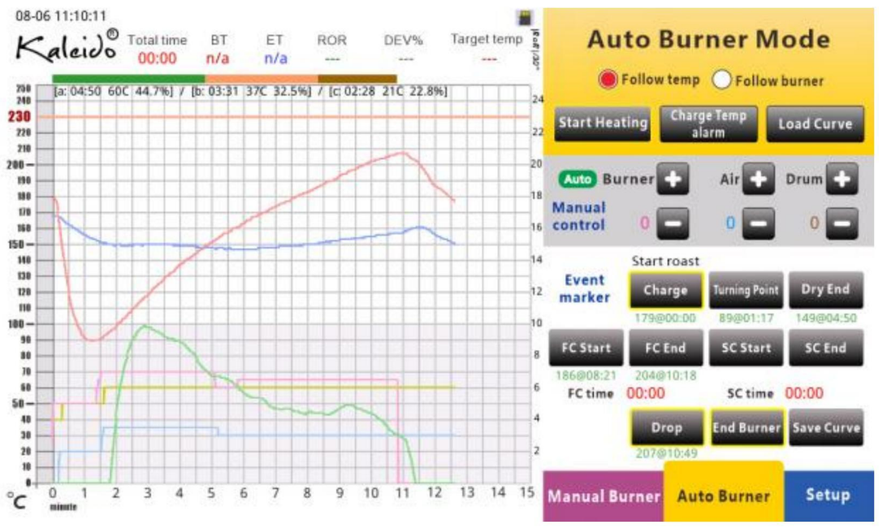


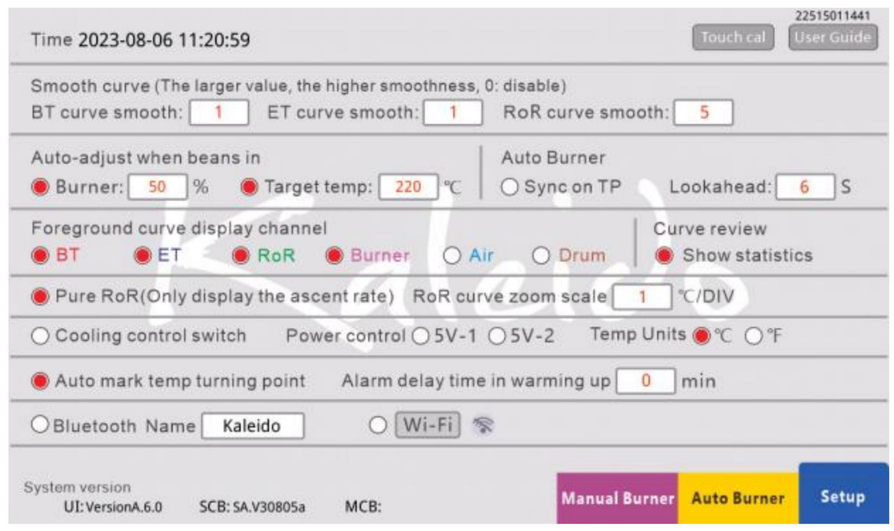
Kaleido Software Manual

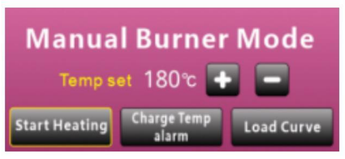
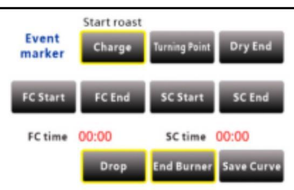
Wuhan Kaleidoscope Technology Co.,Ltd

I.Touch Screen Panel Introduction







	Total time: Enter the beans and start timing **BT:**Display bean temperature **ET:**Display air temperature **ROR:**Coffee bean temperature change(temp rise/fall value within 30 seconds) **DEV%:**The temperature rise rate after FC **Target temp:**Preset bean temperature.
	**Temp set:** Set maximum temperature(Generally, set at 180℃ in preheating phase; set at 215℃ in the roasting, Not exceeding 230 ℃) **Start Heating:**Click this button and the roaster will preheat automatically **Charge Temp alarm:**Click this button, When the BT reaches the set value, Beep will be sounded for reminding **Load Curve:**Click this button to load the background curve
	Operation Area: Adjust the Burner, Air, Drum according to user's roasting needs **Auto Burner:** During the preheating stage. As the BT approaches the set temperature, the Burner will be adjusted automatically **Manual control Burner:** During the roasting stage. Adjust the Burner according to user's roasting needs
	**Event Area:** Click to mark the roasting stage and display the temperature and time point
	Manual, Auto Burner(Roasting), Setup interface switching area

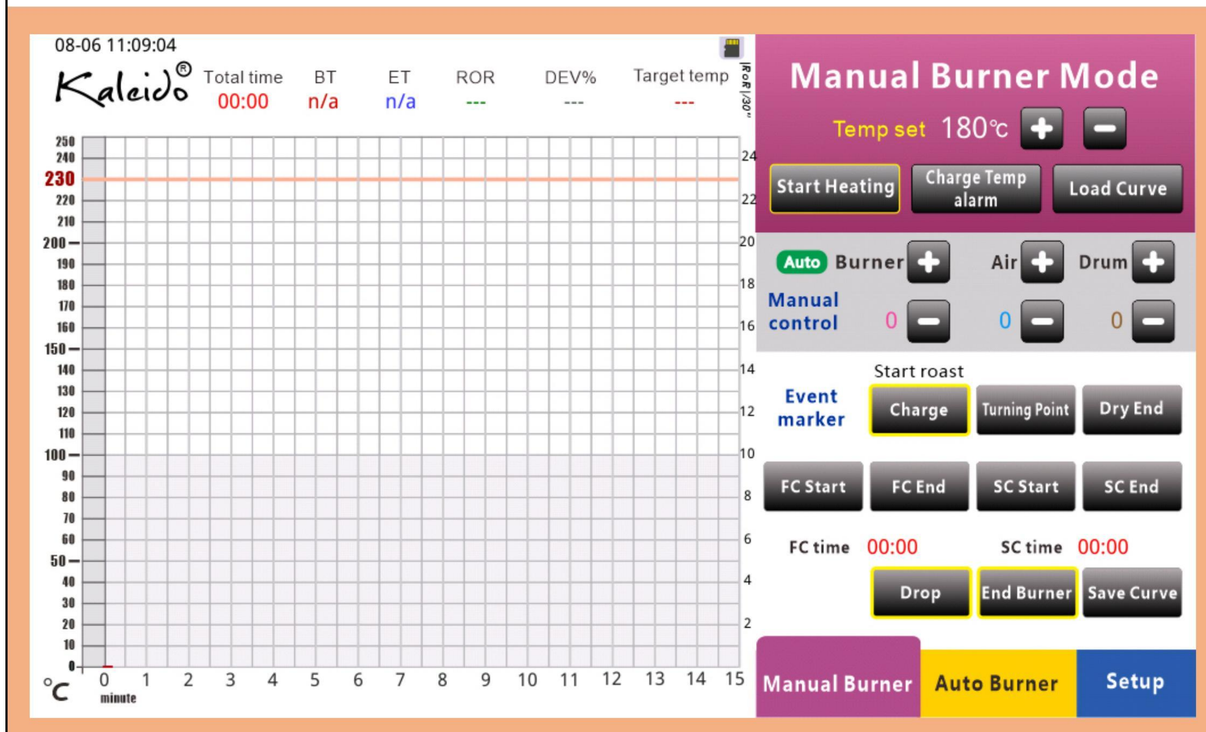
II.Manual Roasting

1 .Connect the touch screen and roaster by USB cable .

2. Power on, the touch screen displays the working interface

3. The system self-checks (about half a minute), when the temperature value appears, it can work normally.

Coffee roaster--- General operating procedures:



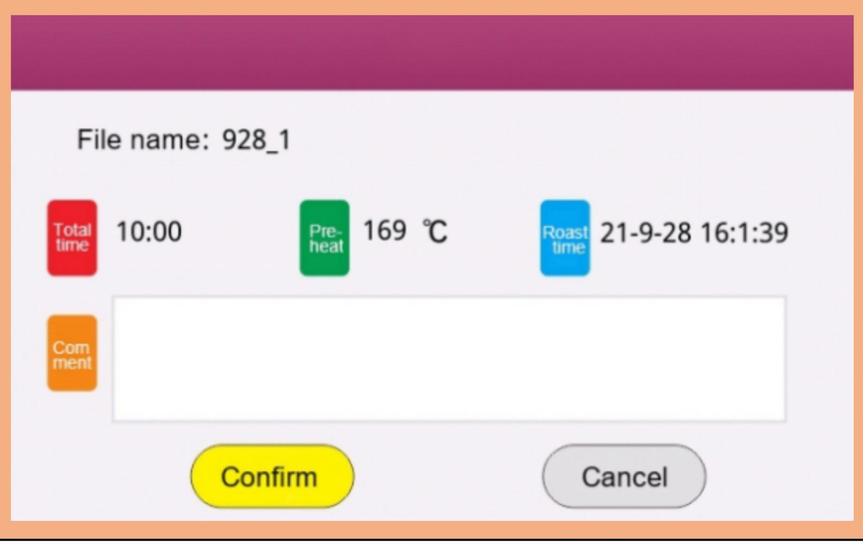
⇒Preheating stage:

1. Set up the BT (System preset 180 ℃) , the maximum can not exceed 230 ℃
2. Click “Start Heating” for preheating, the Drum will be adjusted to 40 automatically
3. Click Auto Burner and Drum 100.Wait until the preheating temperature reaches 180℃ and the roaster is fully preheated.

⇒Roasting stage:

4. Pour in green beans, Click“ Charge” at the same time
5. Click "Burner 40" and "Damper 40"
6. When the BT reaches the turning port, Click" Burner 80"
7. When the coffee bean starts to brown, Click “Dry END” and "Burner 60"
8. When First Crack, Click "FC Start" , “Burner 20" , "Air 80"
9. When first crack finish, click "Burner 0, Air 0" , then click "Drop" and open the bean drum out door. (The cooling fan turns on automatically)
10. Once it's cooled down, Click “Cooling switch ”(Cooling control switch can be shown in the Setup interface)
11. When Roasting is over, click "End Burner"
12. If you want to save the roasting curve, Click “Save Curve”

Save Roasting Curve

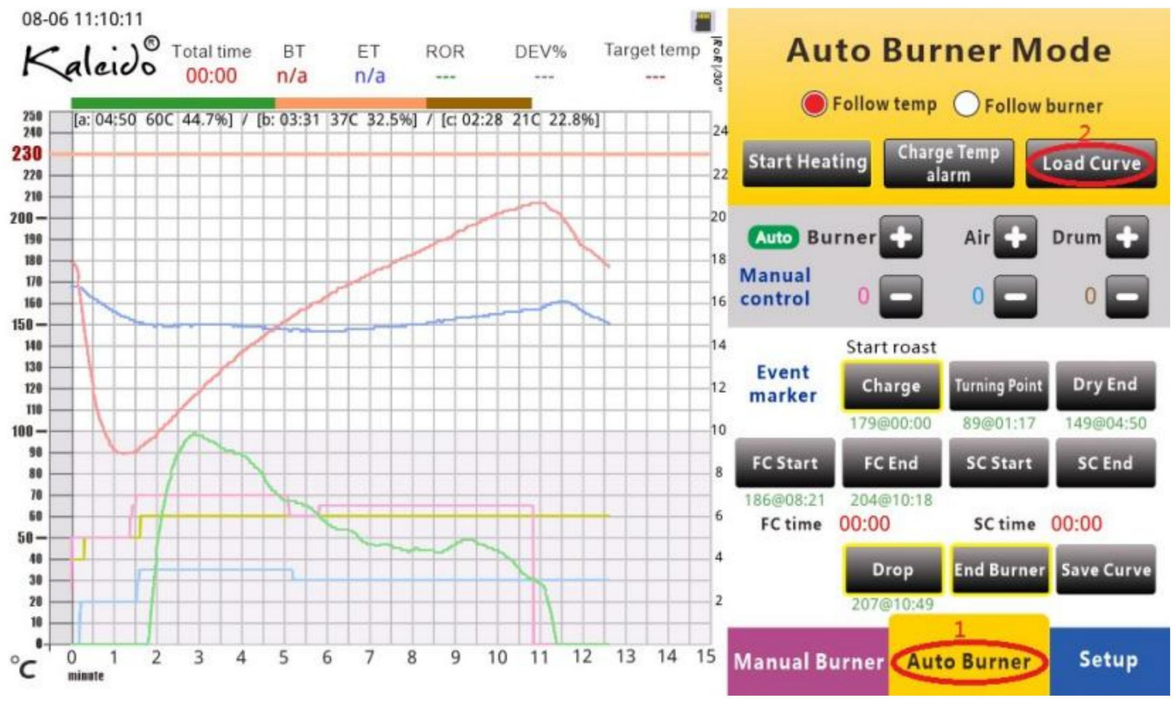


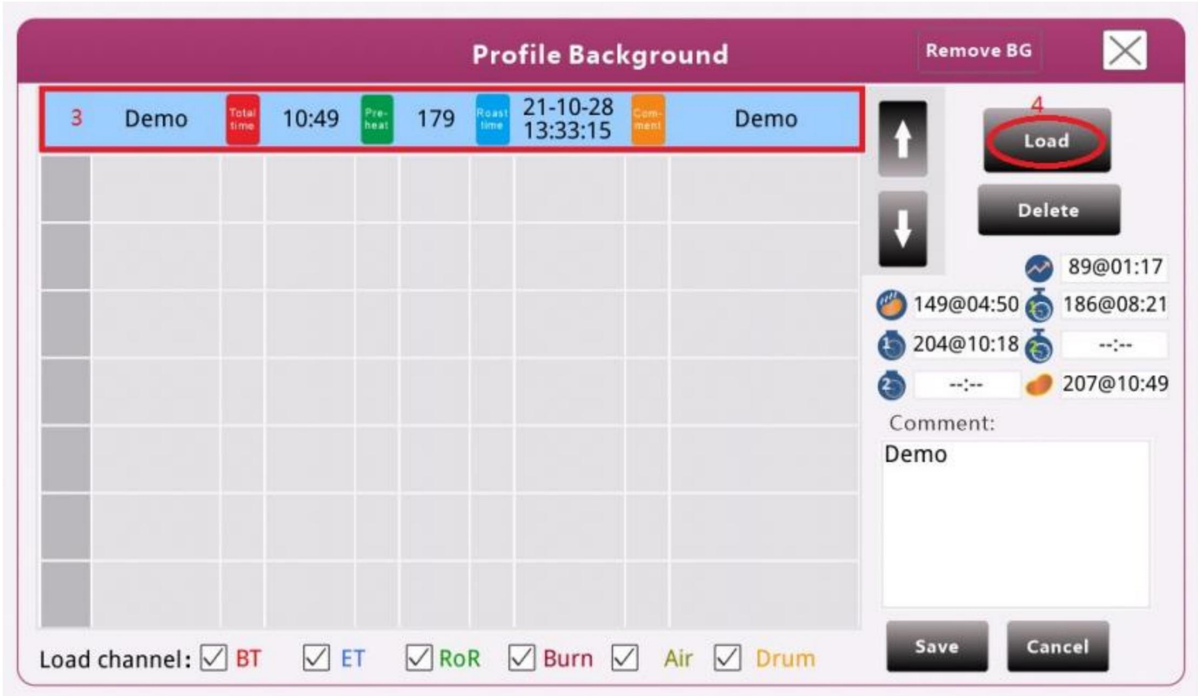
If turn off the roaster,it is better to let the temp is lower than50℃, you click "Air 100" and “Drum 100” speed up cooling down.

Load Roasting Curve:

1.Click “Auto Burner” →“Load” →Choose Roasting curve in Profile Background →“Load”

The background curve will be displayed in the interface, click the blank area of the interface, you can hide the background curve.



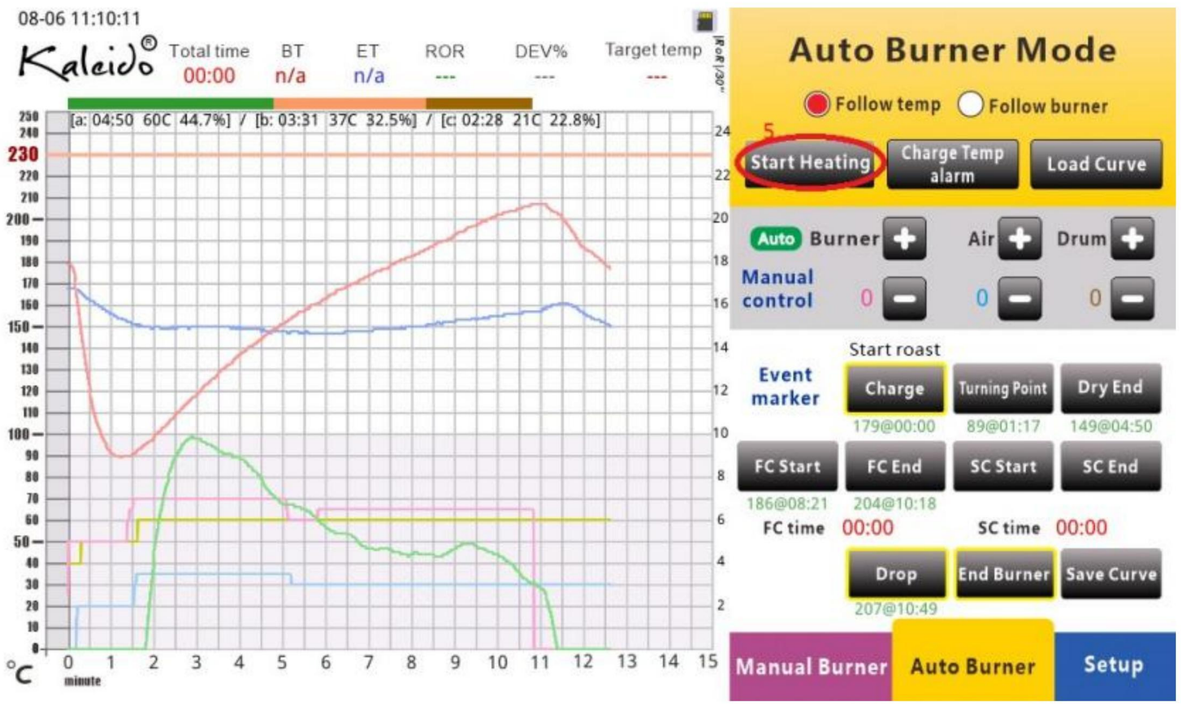


2.Choose Follow temp or Follow burner

3.Click “Start Heating” to preheating automatically. Wait until the preheating temperature reaches 180℃ and the roaster is fully preheated.

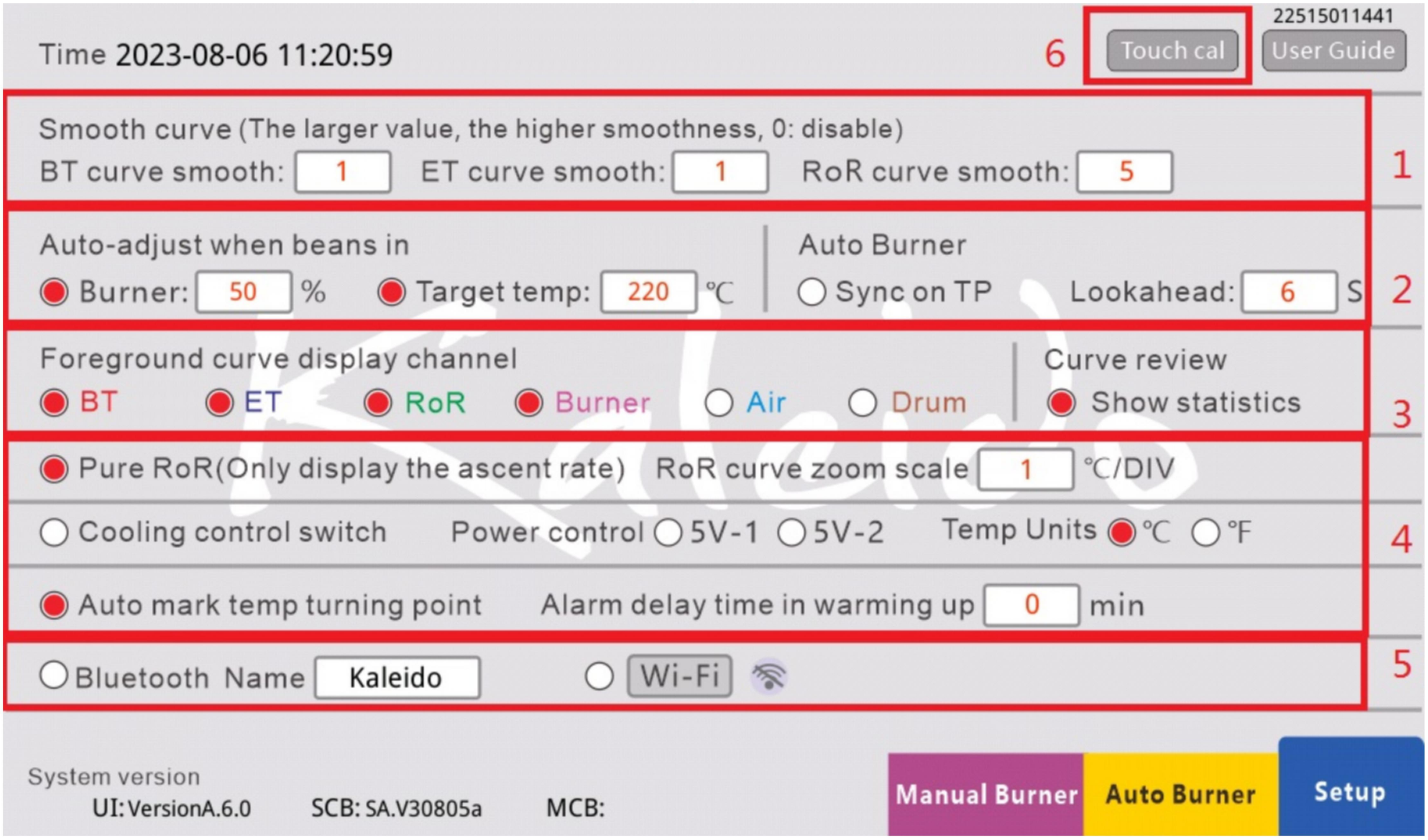
4.Pour in green beans, Click“ Charge” at the same time.

→Then roasting will be automatic according to the Roasting curve, until "DROP" (The cooling fan turns on automatically)→Once it's cooled down, Click “Cooling switch”→When Roasting is over, click "End Burner"



If turn off the roaster,it is better to let the temp is lower than50℃, you click "Air 100" and “Drum 100” speed up cooling down.

IV.Setup Interface



1.Smooth curve: 1-5 gears, 0 is disable

2.Auto-adjust when charge: this setting only applies to manual roasting mode. Automatically adjust the Burner and target bean temp when charge. The set value is automatically adjusted to the preset value after click “Charge” on the touch screen.(Used to prevent users from being too late to control the Burner)

3.Foreground curve display channel:check any option, the corresponding curve will appear in the curve display area.

4.Pure ROR:After this parameter is selected, only the heating rate is displayed.

ROR Curve zoom scale:Sets the curve scale value in the curve display area

Cooling control switch:After checked, the "cooling switch" button will be displayed.

Power control:for users with DIY needs, connect RGB lights on the touch screen motherboard.

Auto mark temp back point:after checked, the temperature turning point will be automatically marked during roasting.

5.This area is for Dual System Artisan software connection.

6.Touch cal: Click this button on to start screen calibration.

The above Settings can be set before and after roasting or during roasting and take effect in real time.