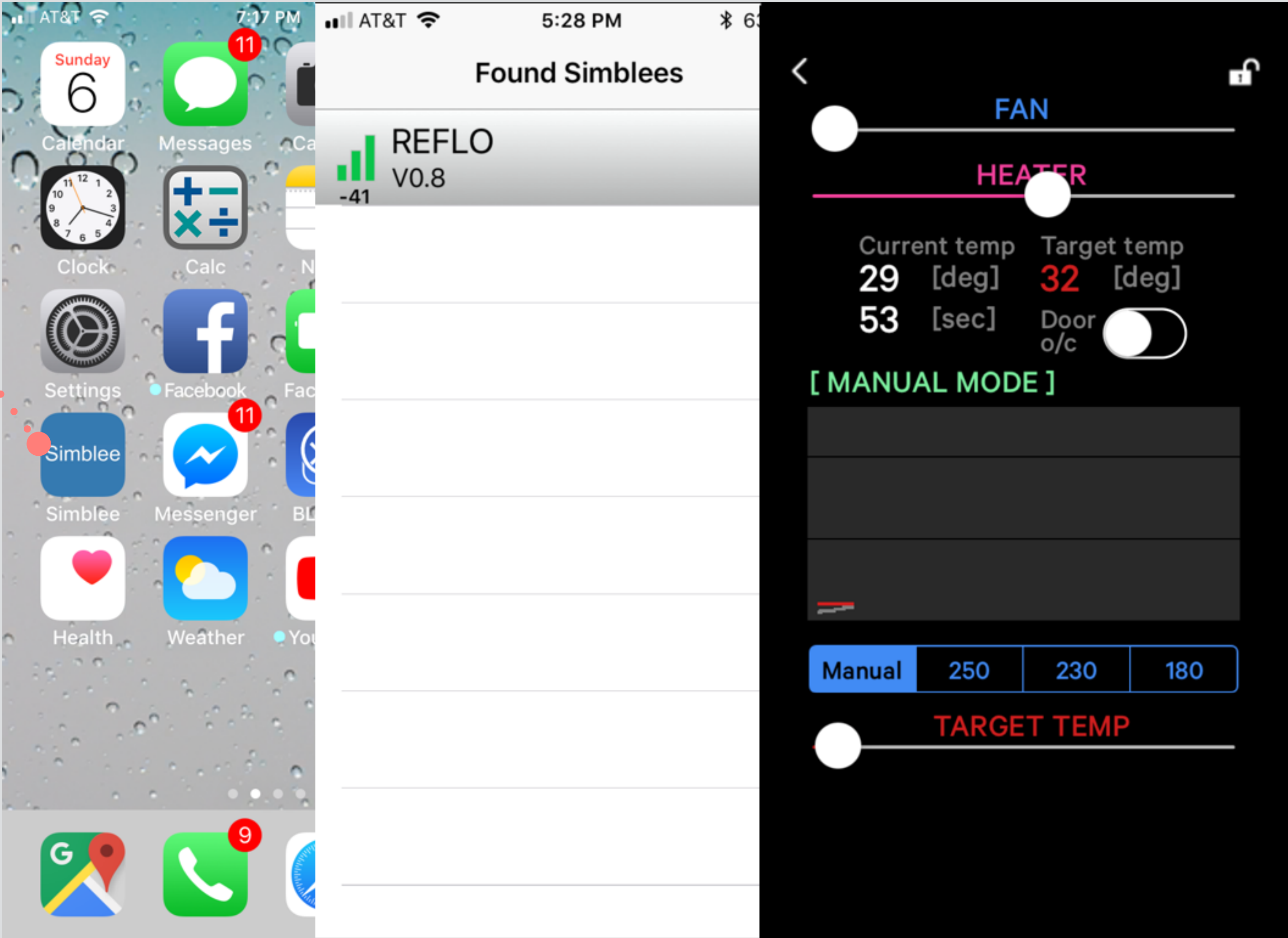
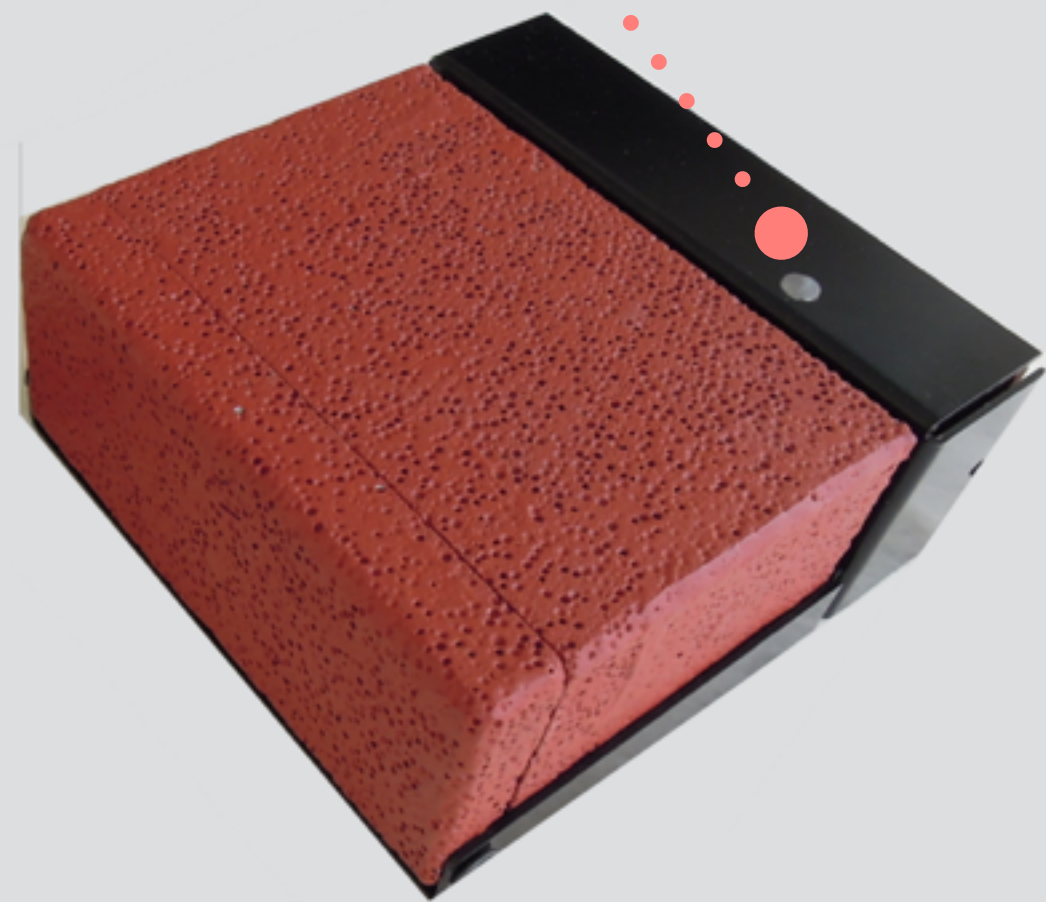


Starting Application

LED indicator
Red:Heater ON
Blue:FAN ON

Application
Icon



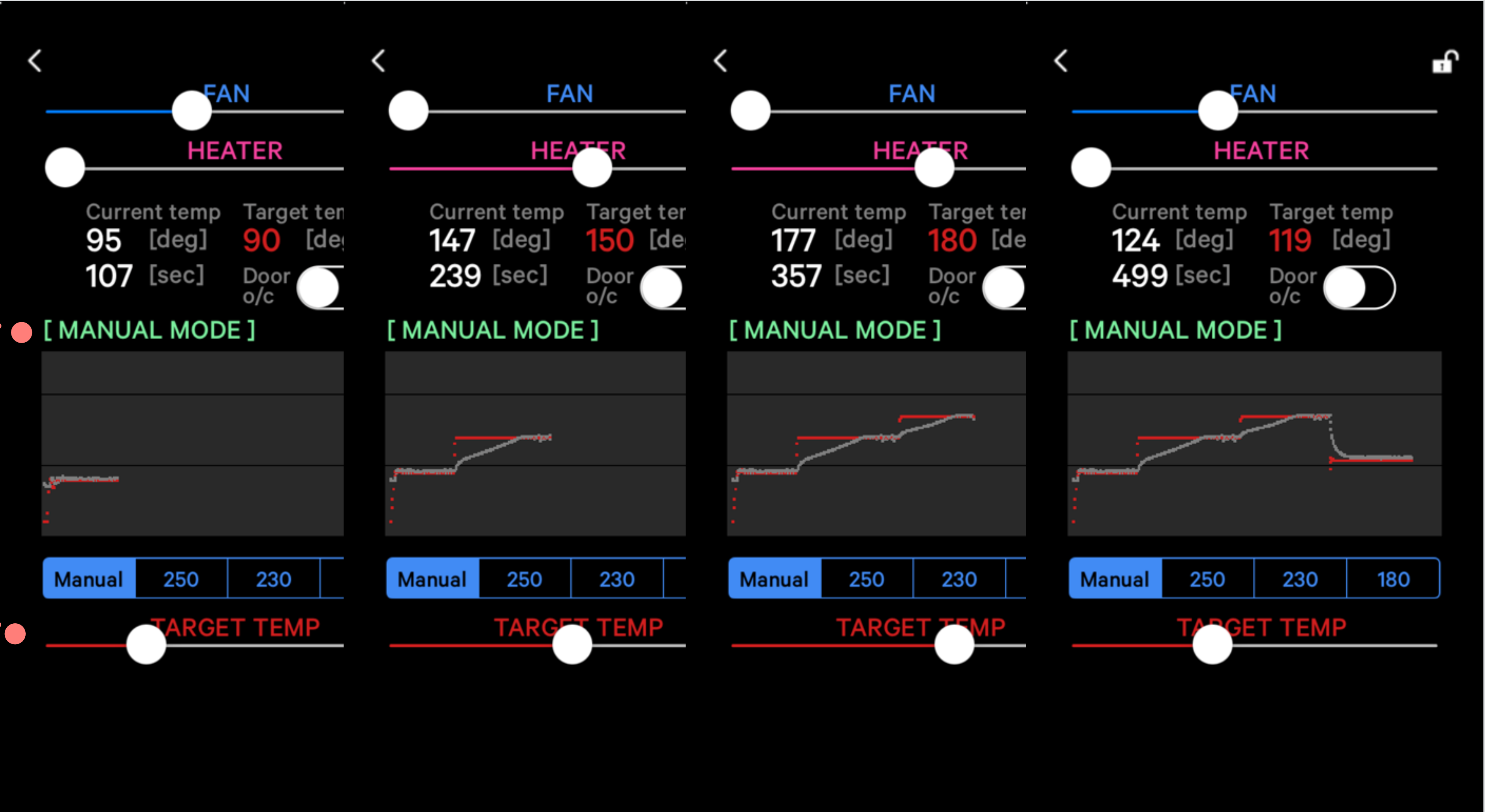
*After power is turned on, the heater is driven to stabilize at around 30 degrees.

Manual Mode

*You can set it to any temperature with the temperature setting slider.
The heater and fan automatically adjust the temperature.

Mode
Display

Temperature
setting slider



Set to 90 degrees
by slider

Set to 150 degrees
by slider

Set to 180 degrees
by slider

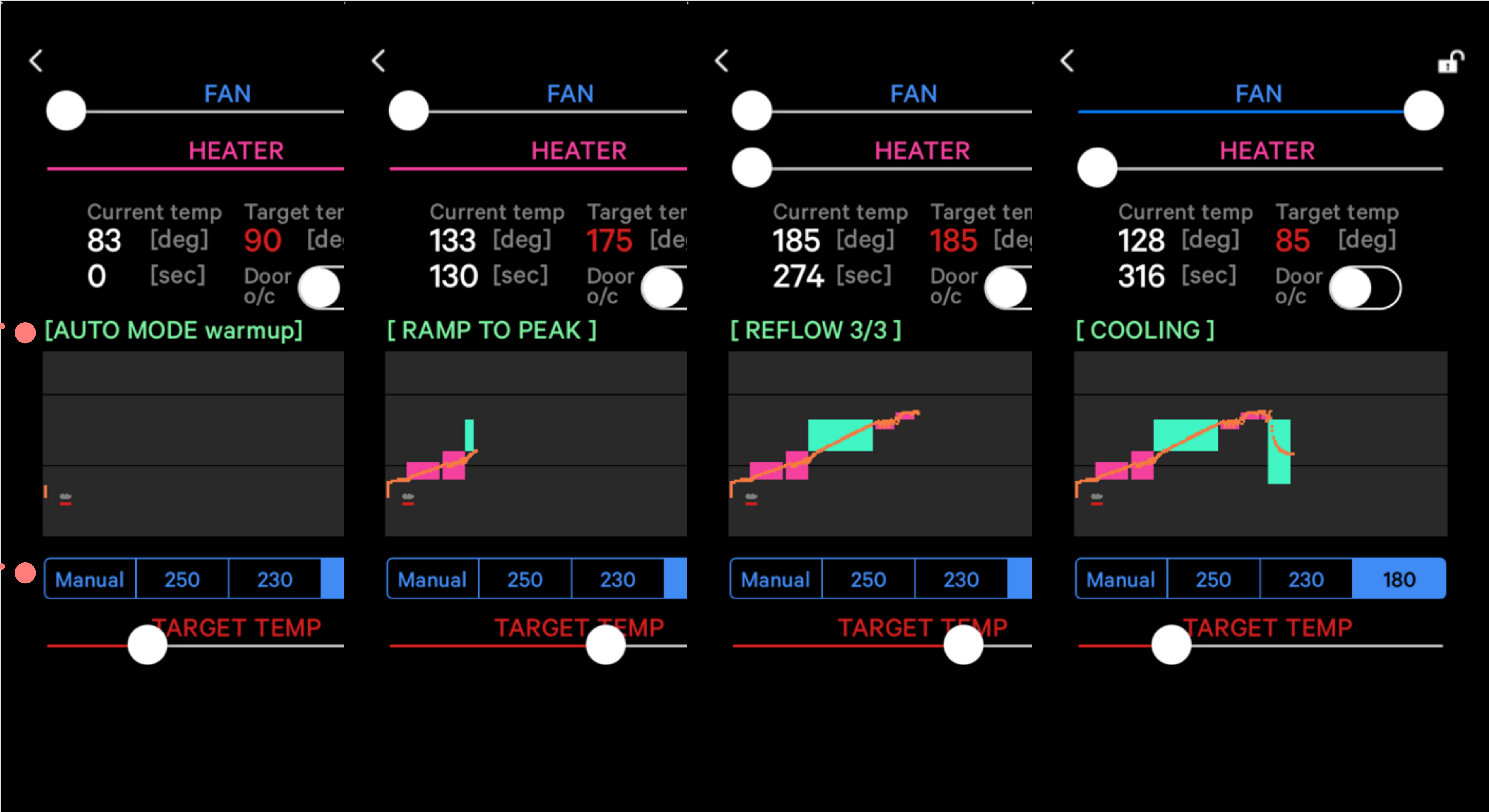
Set to 119 degrees
by slider

Auto Mode

*Three kinds of temperature profile of 180/230/250 degrees are selected, and heater and fan can work together to automatically execute temperature profile.

Mode
Display

Temperature
profile
selector



Warmup

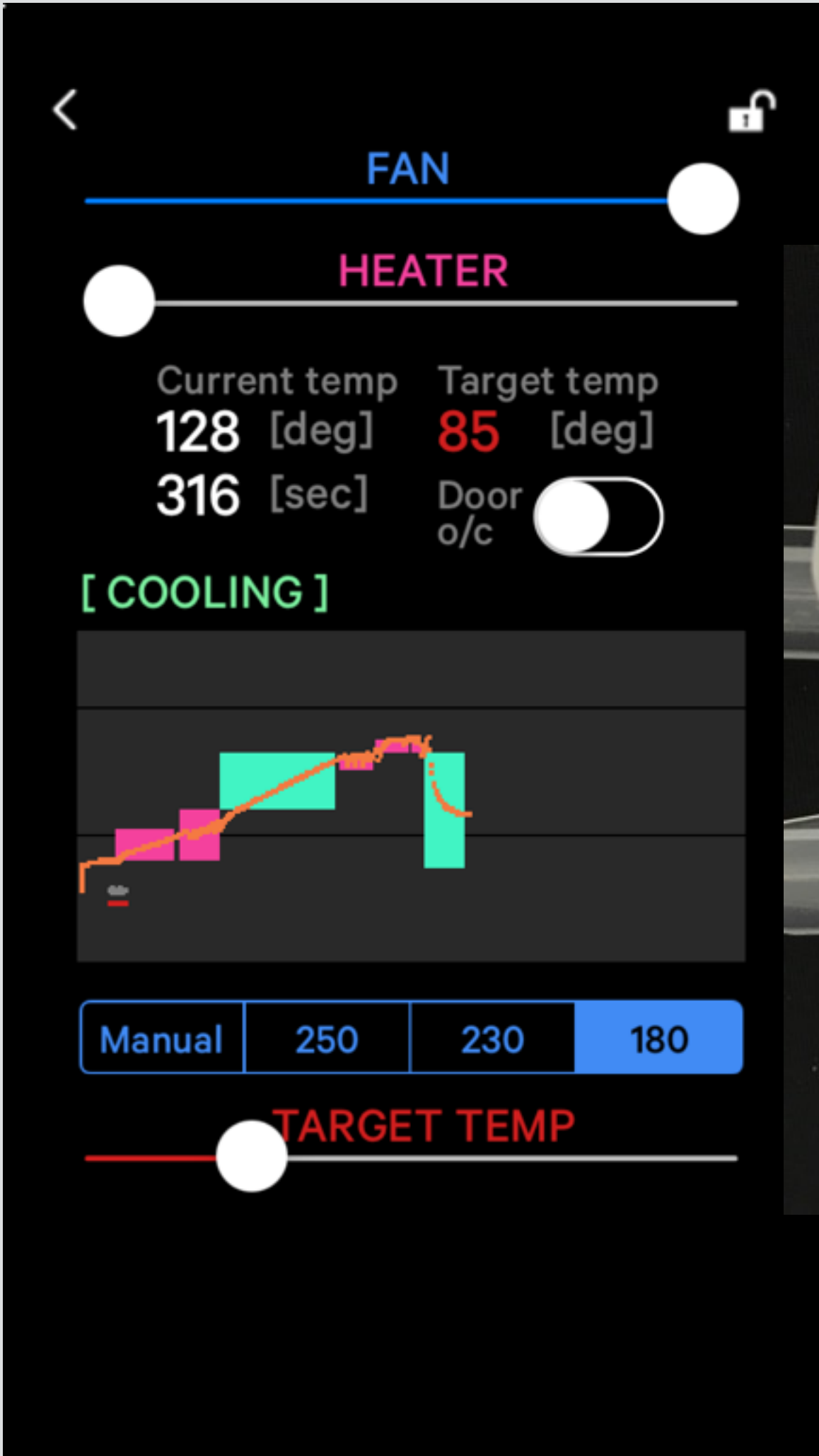
Ramp to Peak
after Soak stage

Reflow stage

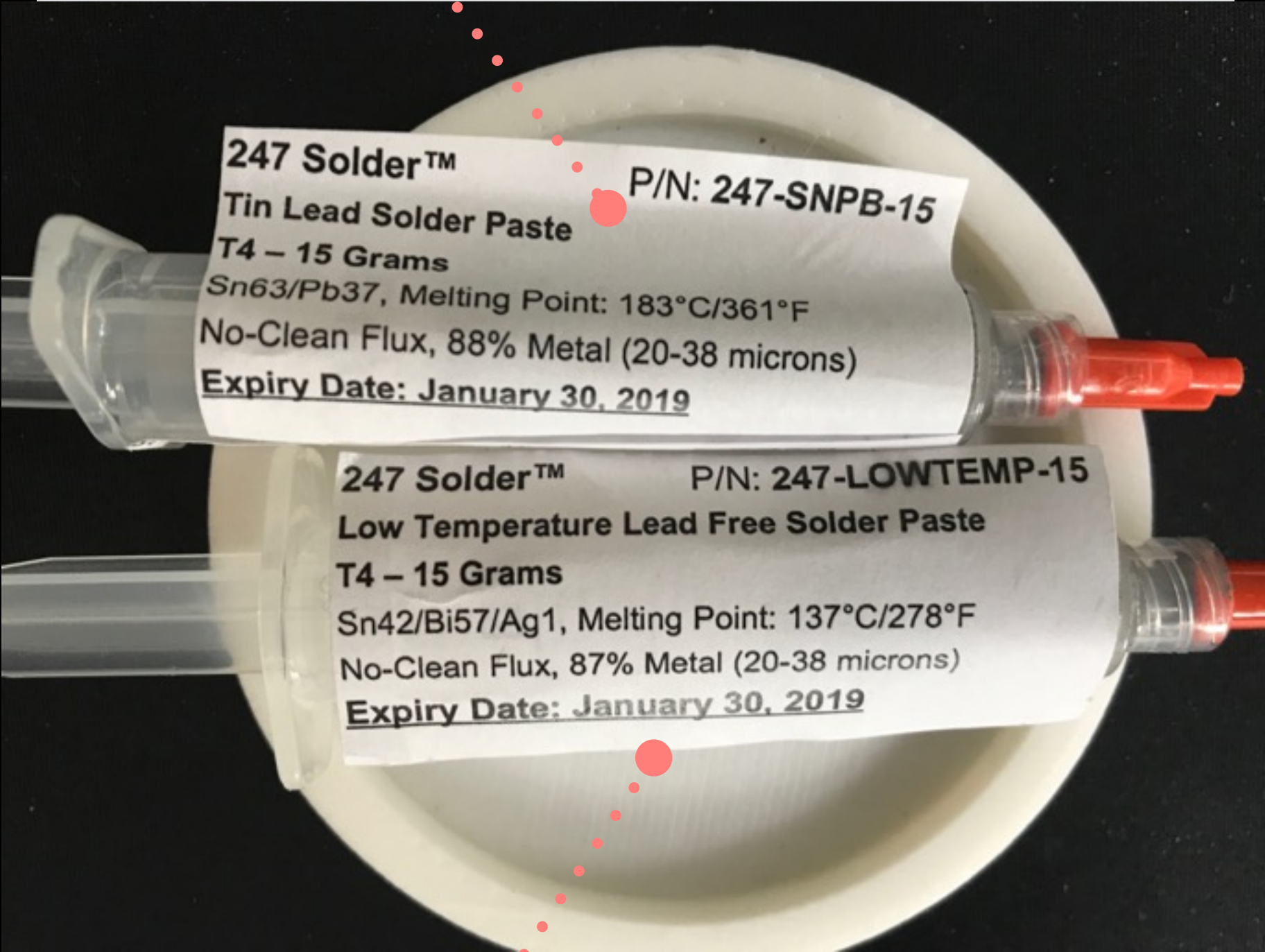
Cooling down stage

Solder paste and Profile

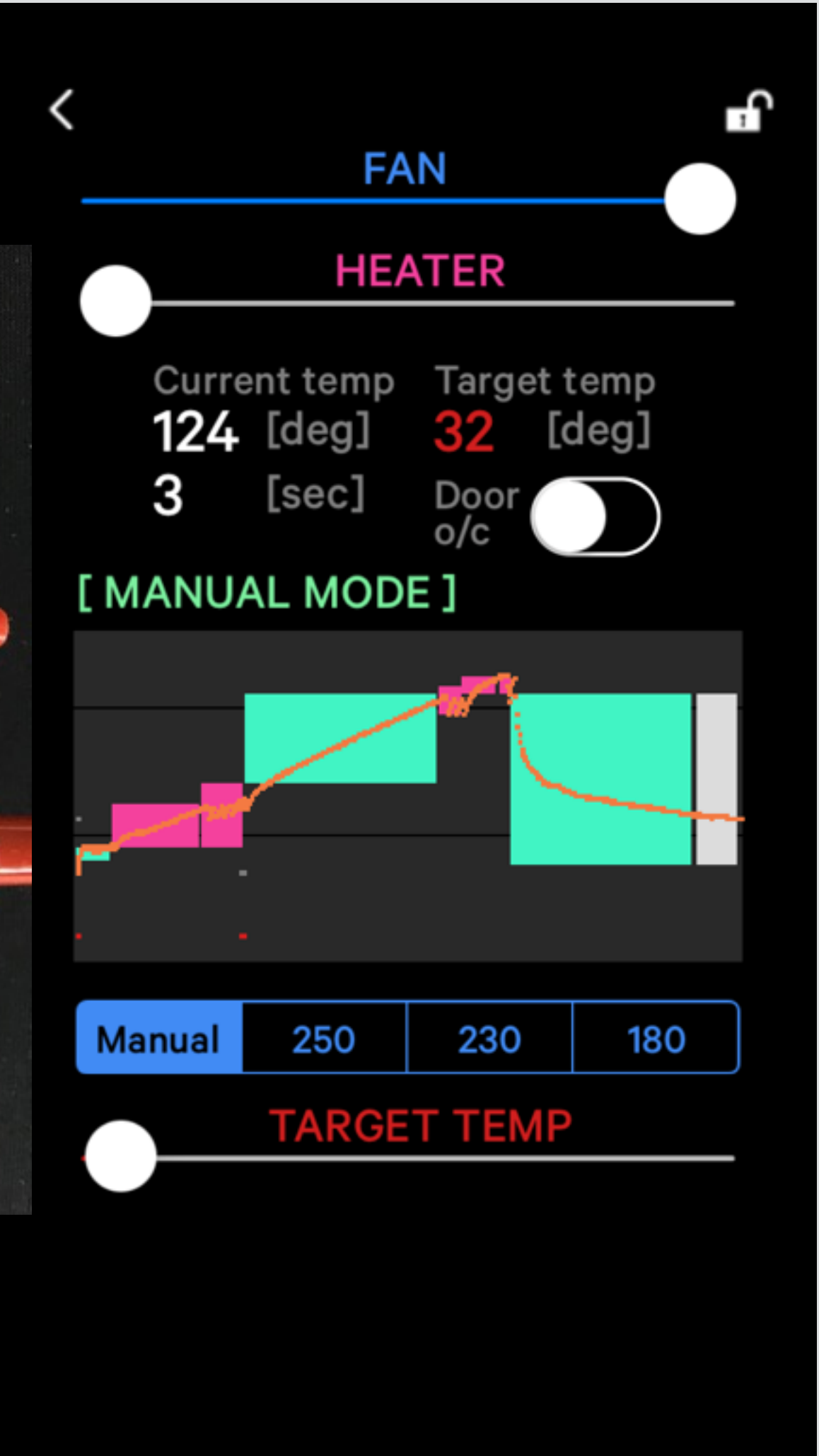
*As an example, if you select the following two types of solder and profile on each side of the board, you can solder the double sided board. Perform one side at 230 degrees, flip it over and run the opposite side at 180 degrees.



230 (peak) degree profile fit 183 degree melting Point solder paste

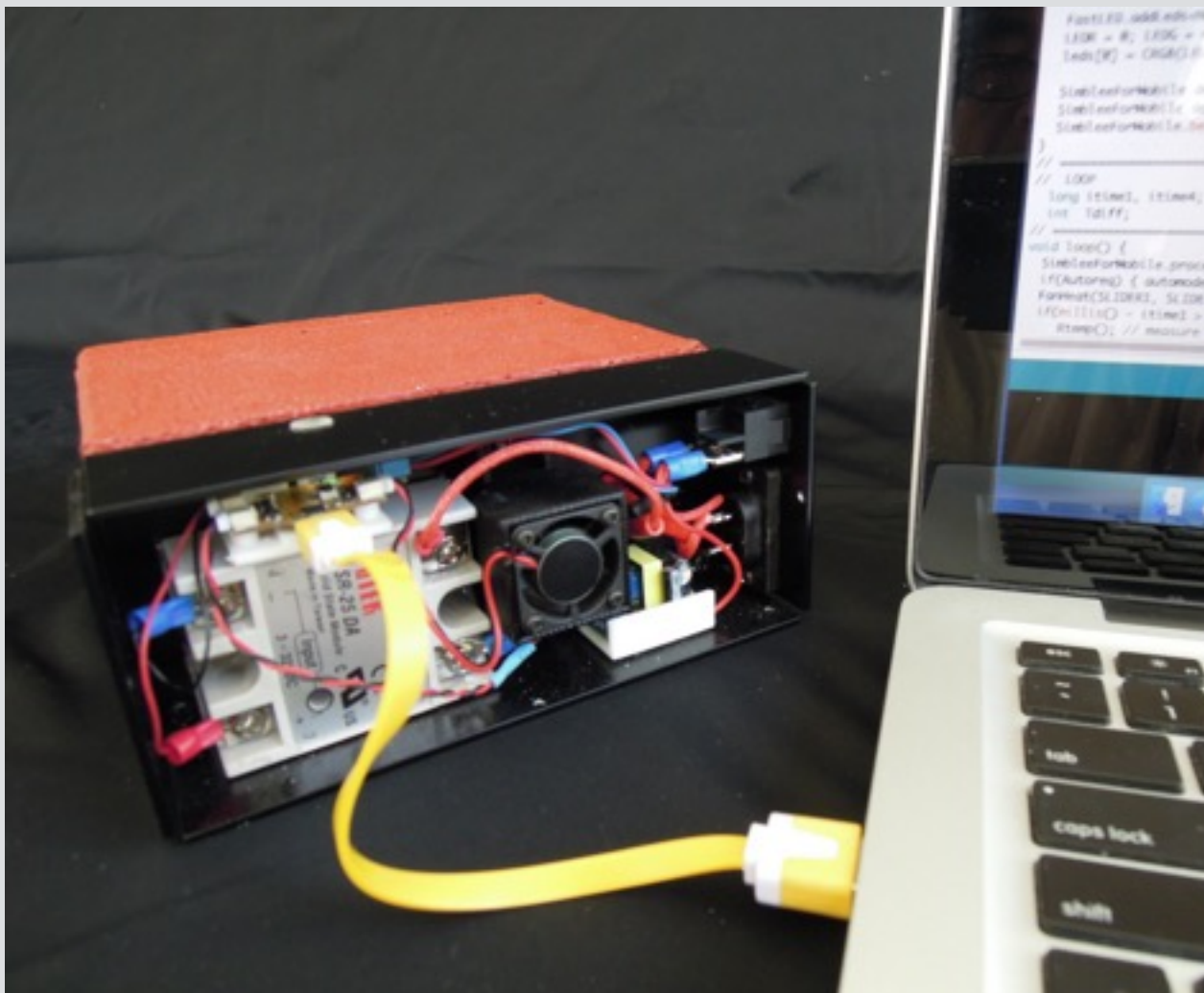


180 (peak) degree profile fit 137 degree melting Point solder paste



Modify Program

*You can modify the program using Arduino IDE. For example, by changing the table shown in the figure, you can change the temperature profile, interval of each stage, etc.



GitHub, Inc. [US] | <https://github.com/magicboxlabs/REFLO/blob/master/software/para.h>

```
63 "[ COOLING ]",          // 8:cooldown
64 "[ OPEN ]"             // 9:door open
65 };
66 int Stable[12]; // Time(in Second) table
67 int Ttable[12]; // TEMP table
68 int Ftable[12]; // FAN control table
69 //
70 //
71 //
72 //
73 //
74 int Stable1[] = { 2, 30, 35, 35, 50, 30, 30, 10, 150, 200 }; // Time(in Second) table
75 int Ttable1[] = { 90, 150, 180, 195, 230, 240, 250, 240, 85, 85 }; // TEMP table 217 melting point
76 int Ftable1[] = { 0, 0, 0, 20, 0, 20, 0, 20, 0, 0 }; // FAN control table
77
78 int Stable2[] = { 2, 30, 35, 35, 35, 20, 30, 10, 150, 200 }; // Time(in Second) table
79 int Ttable2[] = { 90, 100, 135, 150, 220, 235, 235, 235, 85, 85 }; // TEMP table 183 melting point
80 int Ftable2[] = { 0, 0, 0, 20, 0, 20, 0, 20, 0, 0 }; // FAN control table
81
82 int Stable3[] = { 2, 30, 35, 35, 25, 30, 30, 10, 150, 200 }; // Time(in Second) table
83 int Ttable3[] = { 90, 90, 115, 130, 175, 180, 185, 185, 85, 85 }; // TEMP table 137 melting point
84 int Ftable3[] = { 0, 0, 0, 20, 0, 20, 0, 20, 0, 0 }; // FAN control table
85
86
```