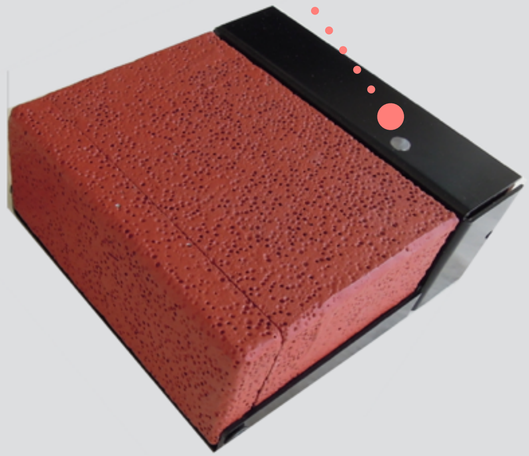
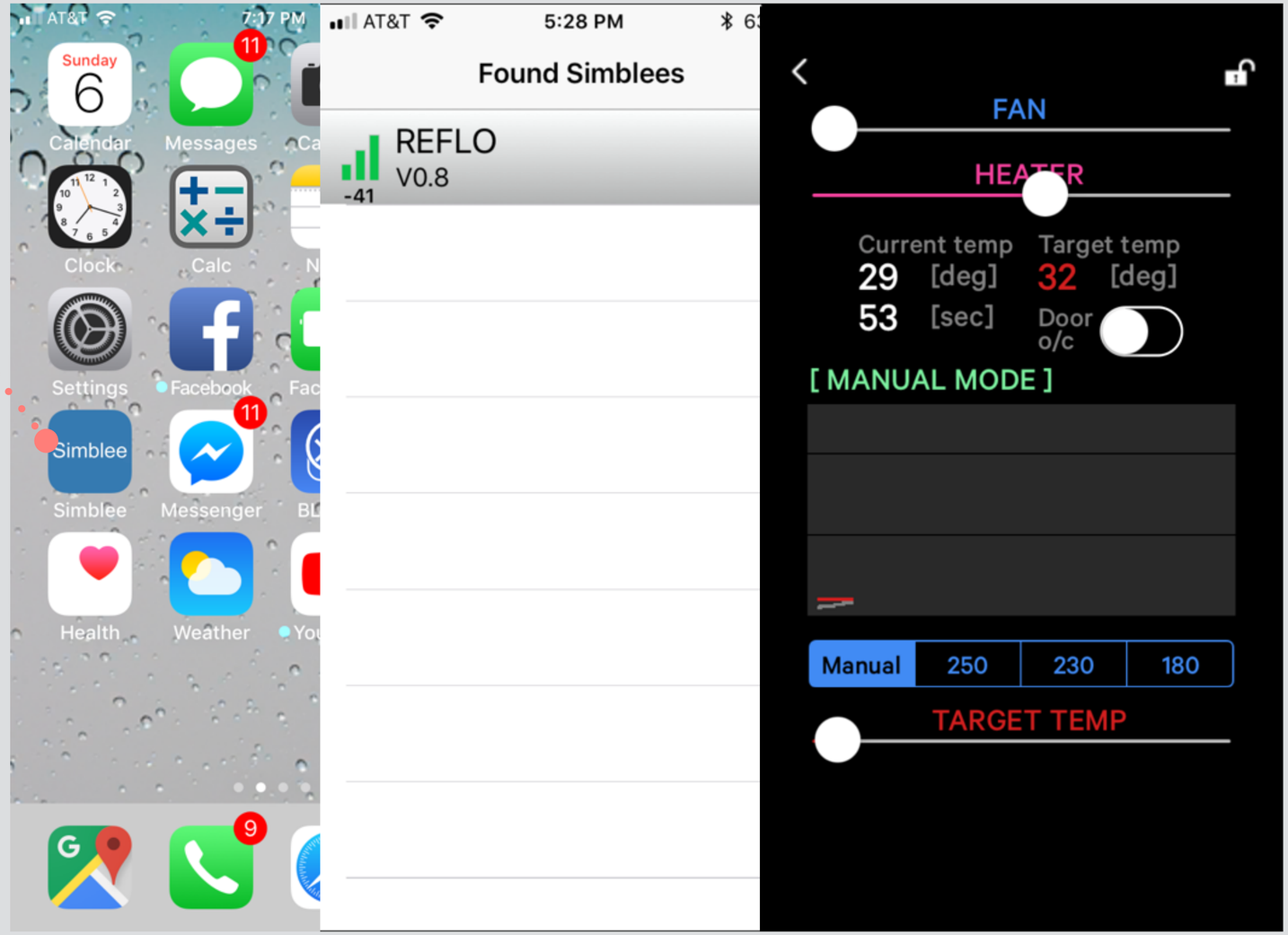
Starting Application

LED indicator
Red:Heater ON
Blue:FAN ON

Application
Icon





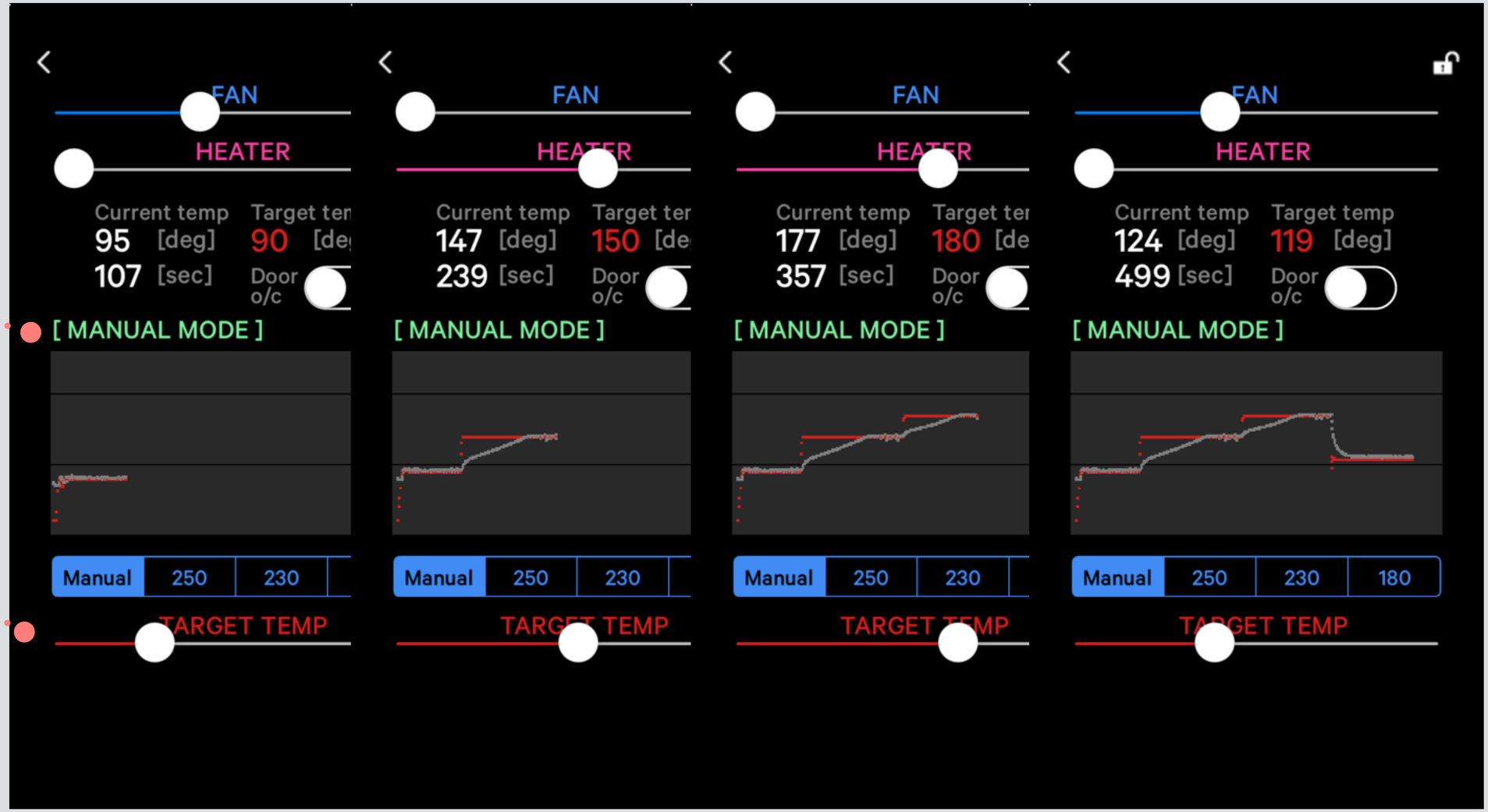
*After power is turned on, the heater is driven to stabilize at around 30 degrees.

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

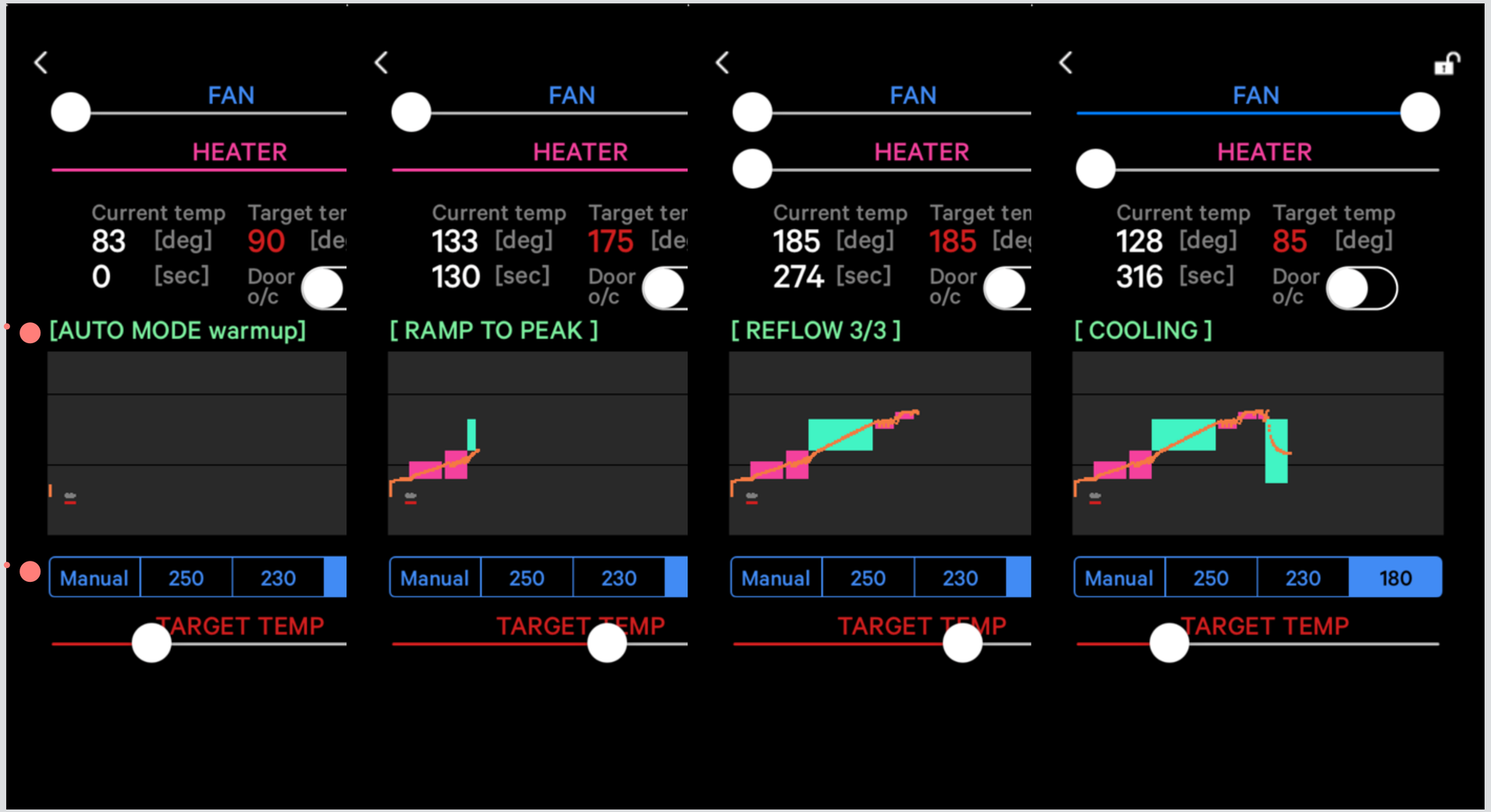
Set to 119 degrees by slider

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

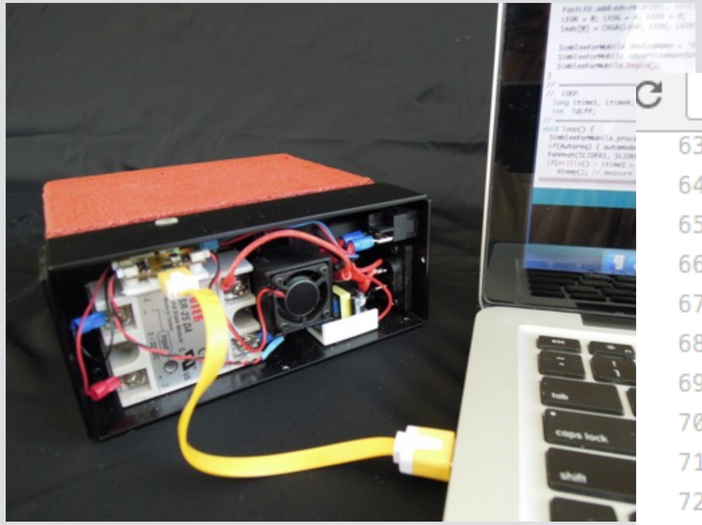
Ramp to Peak after Soak stage

Reflow stage

Cooling down stage

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, temperature, time, fan operation 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    //                                        5    6    7
70    //                                   4
71    //                           2    3                        8    9
72    //                     1
73    //                0
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
```