



User guide and instruction manual

1. Setting up your Reflowster

1. Thread thermocouple through the bottom panel of your toaster oven so that the probe comes to the inside of the oven.
2. Position thermocouple in the air above your PCB and fasten with a piece of wire.
3. Plug thermocouple into Reflowster
4. Plug toaster oven into Reflowster
5. Plug Reflowster into power
6. Reflowster will greet you with its startup routine and the main menu.

2. Main Menu

The main menu comes up when the device is started. To get back to it from any other menus, press the back button to move up to enclosing menus until the main menu displays.

1. Go

This will start the reflow process using the currently selected profile.

2. Edit Profile

This submenu allows you to configure the active profile by choosing either one of the preconfigured profiles or by creating a custom profile.

3. Open Profile

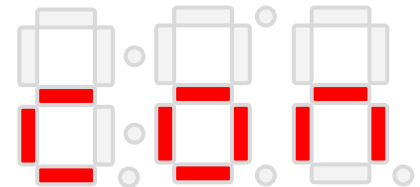
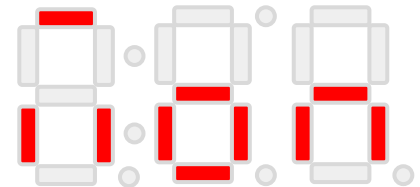
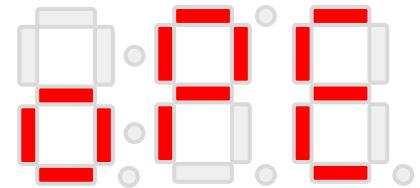
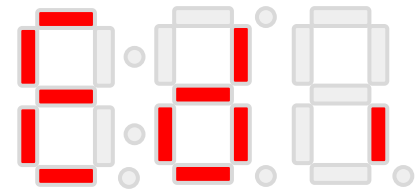
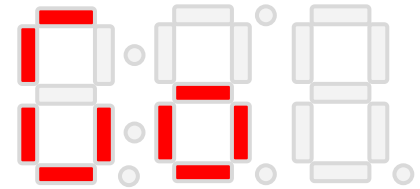
This submenu allows you to configure additional options such as the units used to display temperature.

4. Monitor

This puts Reflowster into monitor mode until the back button is pressed. Monitor mode does nothing except for display the current temperature read by the thermocouple probe.

4. Config

This submenu contains some options to configure Reflowster



3. Edit Profile

This menu lets you view and modify the temperature and duration settings of the currently open profile.

Soak Temperature - This is the temperature that Reflowster will initially heat up to.

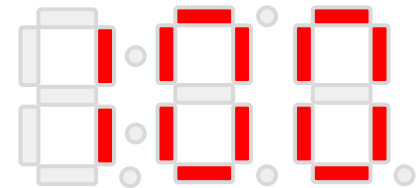
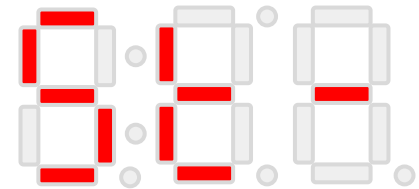
Soak Duration - Once the soak temperature is reached, Reflowster will turn off the power to the toaster oven and let the PCB soak for the configured duration.

Peak Temperature - After the soak duration, Reflowster turns the toaster oven back on until the peak temperature is reached. At this point, Reflowster will turn off the oven again for the cooling phase. The door to the oven should be opened manually at this point.

Updating a profile property

1. Select the property you'd like to edit by twisting the knob and pushing it when the desired property is shown.
2. The display will show the value of the selected property. Use the encoder to select the desired value.
3. Use the back button to revert to the previous value, or push the knob in to accept the new value.

Note: When editing a temperature, it will be edited in your currently selected temperature mode but the temperature is always stored internally in Celsius.

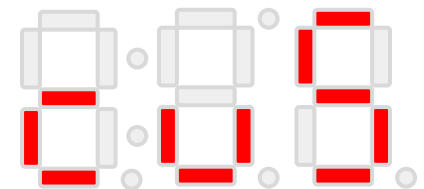
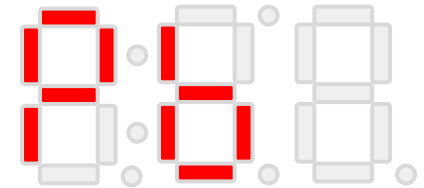
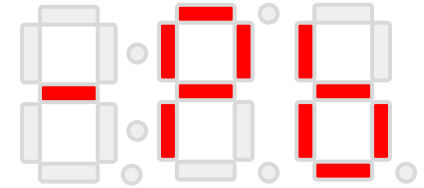


4. Open Profile

This menu lets you switch your currently active profile. This allows you to keep multiple profiles configured for different kinds of solder paste or projects.

The profiles have pre-set names, but can be configured in any way you choose.

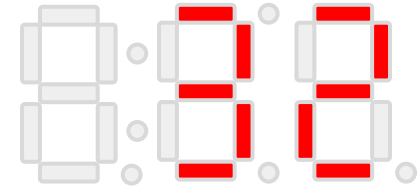
The names are: **Leaded**, **Unleaded**, and **Custom**



5. Monitor

In this mode, the temperature from the thermocouple is displayed on screen. The temperature is displayed in either Fahrenheit or Celsius depending on the configured temperature mode.

Press the back button to leave monitor mode.



6. Config

This menu contains various configuration options for Reflowster.

Temperature mode - Fahrenheit or Celsius temperature display can be configured here.

Factory Reset - Choose this option will allow you to reset your Reflowster to the factory defaults.

