



Quick Guide for Tempmaster™ M1 Plus Controller

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Main Screens and Menus

<p>Main Page</p>	<p>Functions:</p> <ul style="list-style-type: none"> • Monitor - observe zone condition • Control - choose mode • Navigation - [Menu] button opens the Navigation screen
<p>ToolStore Page</p>	<p>Description:</p> <p>List of tools with names and saved settings</p>
<p>Utilities Page</p>	<p>Gives access to:</p> <ul style="list-style-type: none"> • Exit • Config • Export • Quad IO
<p>Setup Page</p>	<p>Description:</p> <p>User can configure and alter global and specific tool parameters.</p>
<p>Graph Page</p>	<p>Description:</p> <p>Displays historical record of the last 30 minutes of operation</p>

Configure the Controller

Create a New Tool

1. Choose [Menu] to open the ToolStore page.
2. Choose a blank tool slot then choose [Detect].
3. Enter system password.
4. Type in a new name for the tool.
5. Choose [Enter].

Configure Control Cards

1. Choose the first zone to be configured.
2. Choose the last zone to be configured.
3. Choose [Range] to include all zones in between.
4. Choose [Set] to see the Configure Card Slot menu.
5. Choose zone type: manifold, spear, monitor, special or not used.
6. Choose header color.
7. Choose [OK].
8. Repeat steps 1 through 4 until all zones are configured.

Note: zones populate with default values which can be accepted or changed.

Configure Tool Parameters

1. Choose zones of the same type.
2. Choose parameter.
3. Choose [Set].
4. Set value.
5. Choose [Enter].

Note: see User Manual for full listing and description of tool parameters.

Configure Controller Parameters

1. Choose [Config] to view the global parameters.
2. To view the global parameters and their current settings, choose [List].
3. Choose setting and required option / function.
4. Choose [OK] to keep the changes or choose [Cancel] to leave without making changes.

Note: see User Manual for full listing and description of global parameters.

Configure Zone Settings

1. Choose the first zone to be configured.
2. Choose the last zone to be configured.
3. Choose **[Range]** to include all zones in between.
4. Choose **[Set]**.
5. Set the required value.
6. Choose **[Enter]** to keep the new setting or **[Esc]** to exit the screen without saving.

Set Probe and Manifold Temperatures

1. Choose **[Set]** and enter password if prompted.
2. Choose **[Auto]** and use the keypad to set a new temperature.
3. Choose **[Enter]** to keep the new temperature or **[Esc]** to exit the screen without saving.

Save to the Toolbank

1. Choose the ToolStore page.
2. Choose the required tool.
3. Choose **[Save]**.

Operate the Controller

Startup Procedure

1. Use the main switch to energize the cabinet.
2. After the cabinet is switched on, press the console switch until the display lights up.

Once the display screen is on, the console has two options:

- If console startup is set to **Stop**, then the tool remains at zero power, and it does not heat up.
- If the console startup is set to **Startup, Standby** or **Run**, the controller applies power to the zones so that they heat up.

Change Or Set Zone Temperatures

1. Choose one zone.
2. Choose another zone.
3. Choose **[Range]**.
4. Choose **[Set]**.
If prompted, enter the System password.
5. Choose one of the options:
 - **[Set]** - set a new temperature
 - **[Add]** - raise the overall temperature
 - **[Sub]** - lower the overall temperature
6. Enter the required value.
The new temperature is shown on the Main page.

Change Modes - Individual Zones

1. Choose one or more zones.
2. Choose **[Set]** and enter password if prompted
3. Choose one of the following options:
 - **[Set]** - set a new temperature
 - **[Plus]** - raise the overall temperature
 - **[Minus]** - lower the overall temperature
4. Enter the required value.
The new temperature is shown on the Main page.
5. Choose **[Enter]** to keep the new temperature or **[Esc]** to exit the screen without saving.

Change Modes - Multiple Zones

1. From the Main page, choose **[Button One]** or **[Mode]**, then choose the required Mode button.
2. Choose **[OK]** to confirm or choose **[Cancel]** to leave without changing settings.

Mode Options	
[Run]	Switches all zones on
[Stop]	Switches all zones off
[Standby]	Reduces temperature in all zones with Standby temperatures configured
[Startup]	Begins startup sequence configured on the Setup page
[Shutdown]	Begins switch off sequence determined by Startup mode
[Boost]	Temporarily increases temperatures in zone with Boost temperatures configured
[Purge]	Guides user through color change routine

Check Zone Performance

The controller records temperature history and displays a graph of temperature for the last 30 minute time period.

1. Choose up to six zones.
2. Choose **[Graph]**.
3. Choose **[Key]** to expand graph size.
4. Choose any of the top four **[Zoom]** buttons to expand the time of the temperature scale.
5. Drag either scale to shift the display.

Note: once the Zoom button is used then the graph locks at that moment in time and does not update.

Shutdown Procedure

1. On the Main page, choose **[Stop]** mode to reduce the heating to zero.
2. On the Utils page, choose **[Exit]** to shut down the console computer.
3. Use the main power switch to isolate all power to the whole system.

Global Support

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