



Kaleidoscope

QUICK START GUIDE

Model KCM-1

BEFORE YOU BEGIN

Safety & Setup Basics

Please read these notes before setting up your ColorMaster for the first time.

- For indoor use only.
- Do not open the front panel — there are no user-serviceable parts inside. Contact Support for help.
- The internal tubing is not user replaceable.
- Use only supported dye brands to ensure accurate color matching with the app.
- Do not wash the machine or pour water into the housing.

SETUP

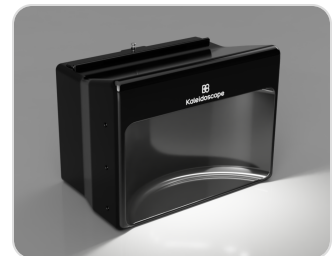
Getting Started

1

Place the Machine

Set the ColorMaster on a flat, stable countertop indoors.

- Remove the protective tube cap before use.
- Leave room for the front tubes to hang over your mixing bowl.
- Keep the vents on the back of the machine clear.



2

Plug It In

Connect the included power supply, plug it into a wall outlet, and press the side power button to turn the machine on.

⚠ REMOVE THE CAP!



3

Fill the Dye Reservoir

Pour the supported brand food dye into the machine reservoir. The ColorMaster uses five channels:



Channel	Liquid
C	Cyan / Blue
M	Magenta / Red
Y	Yellow
K	Black
H2O	Water

Only use supported brand dyes — other dyes may not match the app colors correctly.

⚠ CHECK DYE COLOR BEFORE POURING

- Remove the ColorMaster dye bottle cap/nozzle top before filling or changing dye.
- Always look at the actual dye color before pouring it into the machine reservoir — do not choose by cap color alone.
- Some dye bottles use similar caps. For example, both black dye and red/magenta dye may have black caps.
- Pouring dye into the wrong reservoir can cause incorrect colors and may require flushing the system.

4

Prepare the Pumps

Before making a color, "Prepare pumps".

- In the app, go to Settings and press Prepare Pumps.
- Watch the front tubes — continue priming until liquid moves through every tube and all air gaps are pushed out.
- If one color doesn't move, use manual jog: in Settings, open "Pour CMYK" and enter the milliseconds for that motor (100 ms ≈ one drop) and "Pour"
- Pinch the tubing at the bottom rear opening for the motor that isn't flowing if needed.
- Keep a bowl under the outlet at all times to catch any unintentional drips.
- Calibrate the water settings for Flood, Piping, and 15 Seconds under Settings → Calibrate Settings, entering values for all three options.

5

Prepare Your Icing

Place your bowl under the front tubes. For best results, use the amount of white icing recommended by the app — the standard test amount is 200 g. Make sure the icing is mixed smooth and white before adding color.

6**Select a Color**

Open the Kaleidoscope app and choose the color you want, then tap "Pour Again".

7**Dispense the Color**

Center the bowl under the tubes and press "Let's Pour Some Color." The machine runs the pumps and dispenses dye and water into the bowl, then stops automatically when the recipe is complete.

8**Mix the Icing**

Mix the icing thoroughly after dispensing, scraping the sides and bottom of the bowl so the color develops evenly. Some colors deepen after resting — food dye needs at least 24 hours to reach its full potential.

9**Between Colors**

- Wipe the tube tips if needed.
- Use a clean bowl for each new color.
- Prime again if the machine has been idle or you notice air in the tubes.

10**After Use**

- Screw shut the top lid.
- Put cap on outlet.
- Make sure dye is full.
- Turn the machine off using the side power button.
- Keep the machine clean and dry.
- Do not wash the machine or pour water into the housing.

Keep-Alive

The ColorMaster keeps its own tubing from drying out. When the machine is powered on and sitting idle, it briefly runs each channel to move liquid through the lines. This happens on its own — you do not need to start it, and there is nothing to turn on.

⚠ KEEP-ALIVE IS FULLY AUTOMATIC — NO SETTINGS IN THE APP YET

- Keep-alive runs only while the machine is powered on. It does not run when the machine is off.
- Timing and pulse length are set in the firmware. There are no keep-alive controls in the current app release.
- A short pump sound while the machine is idle is normal — that is keep-alive working, not a fault.
- Leave a bowl under the outlet so any small amount of liquid released during a pulse is caught.
- Keep-alive reduces drying and clogging, but it does not replace Prepare Pumps. Still prime before a pour if the machine has been off or unused for a long time.

The Sponge in the Outlet Cap

There is a sponge inside the outlet cap. If the tube tips begin to dry out, wet the sponge with clean water and put the cap back on the outlet — it holds moisture at the tips so the tubes stay clear.

- Use clean water only. Do not use soap, cleaner, or any other liquid on the sponge.
- Damp is enough — squeeze out the excess so water does not run into the machine.
- Remove the cap before pouring, as usual.
- Let the sponge dry out between uses, and rinse it with clean water when it looks stained.

HELP

Basic Troubleshooting

Problem	What to Try
A color is not dispensing	Prime that pump again in the app. Check that the dye tube has liquid, and look for air bubbles in the tube. Pinch tubes in the back opening of the motor.
Color looks too light	Confirm you used the correct icing amount. Mix longer and scrape the bowl, then prime the pumps before dispensing again.
Color looks wrong	Confirm the correct dye colors are installed in the correct positions. Only use supported brand dyes, and make sure all pumps are primed before dispensing.
The machine runs the pumps on its own	This is normal. Keep-alive pulses the channels while the machine sits idle so the tubes do not dry out. It cannot be turned off in the current app release.
Machine does not turn on	Check that the power supply is plugged into the wall and connected to the machine. Press the side power button, and try another wall outlet.

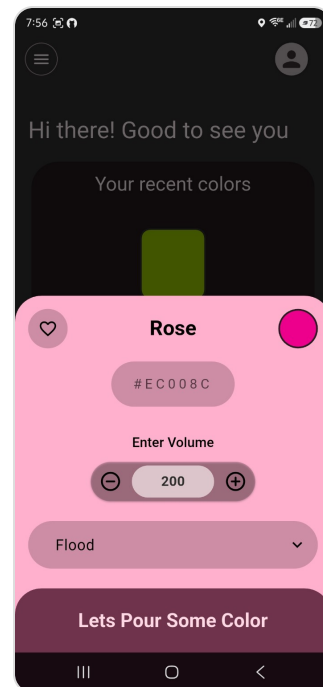
APP GUIDE

Using the Kaleidoscope App

The following screens walk through the basic operation of the Kaleidoscope ColorMaster app.

Selecting a Color

- Select a color.
- Verify the color name and HEX code.
- Enter the amount of icing.
- Select a water dispense option, if desired.
- Press "Let's Pour Some Color."



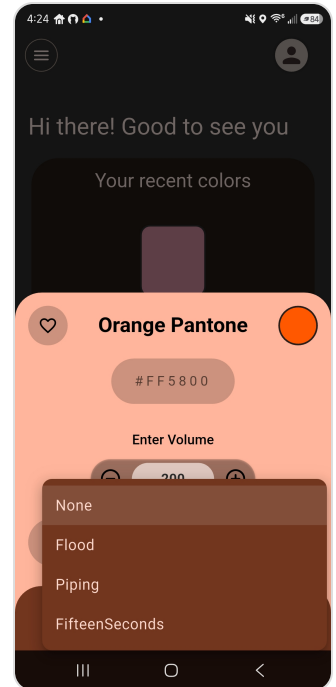
⚠ Tap outside a text box (like Enter Volume) after typing to make the app register your entry.

Water Dispense Options

Choose the icing consistency:

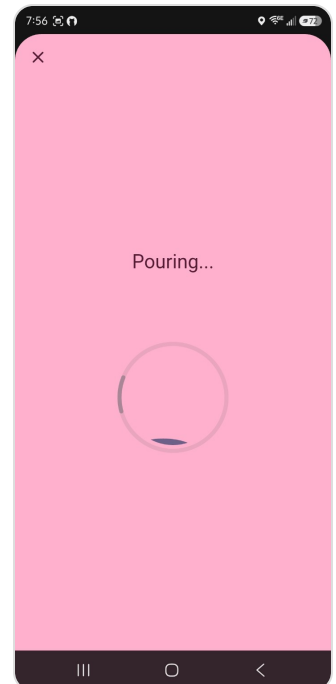
- Flood
- Piping
- 15 Seconds
- No Water

Leave the option unselected if no water is desired.



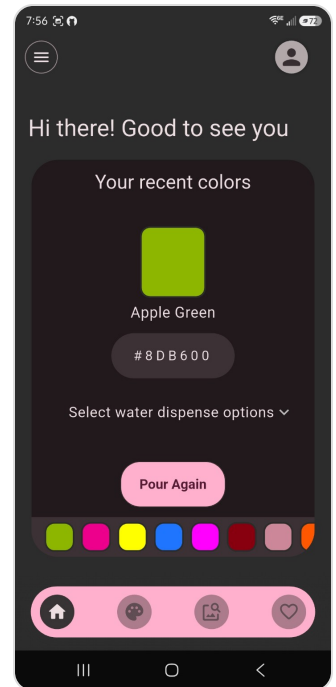
Dispensing

After pressing "Let's Pour Some Color," the ColorMaster opens the dispensing tubes, dispenses the required colors and optional water, then automatically stops when complete.



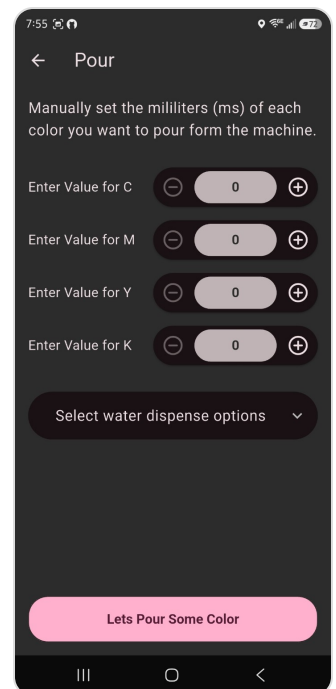
Pour Complete

When dispensing finishes, tap "Pour Again" to dispense the same recipe again.



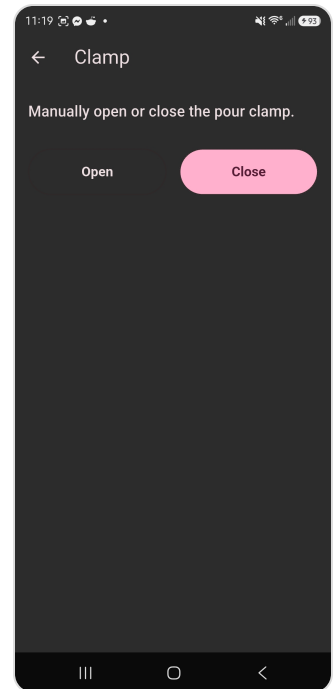
Manual CMYK Dispense

Use the Pour CMYK screen to manually test or prime individual pumps by entering Cyan, Magenta, Yellow, and Black values. 100 ms usually equals one drop.



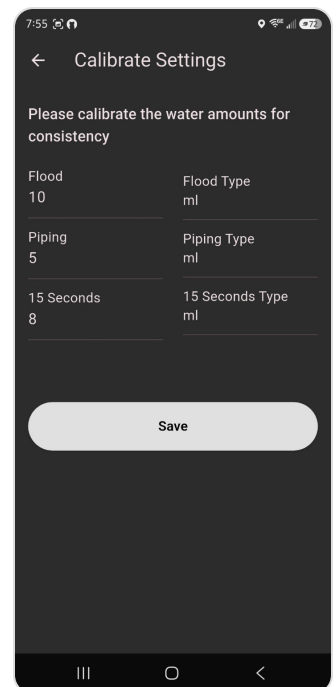
Clamp

Use the Clamp screen to manually open or close the pour clamp.



Calibrate Water Settings

Adjust the milliliters used for Flood, Piping, and 15 Seconds. Press Save after making changes.



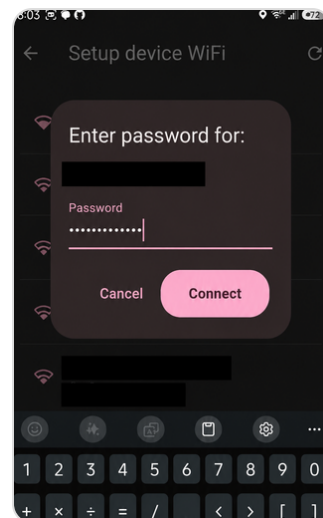
Setup Device Wi-Fi

Connect the ColorMaster to your Wi-Fi network to enable automatic firmware updates.

⚠️ ONLY ONE PHONE OR DEVICE CAN BE CONNECTED AT A TIME

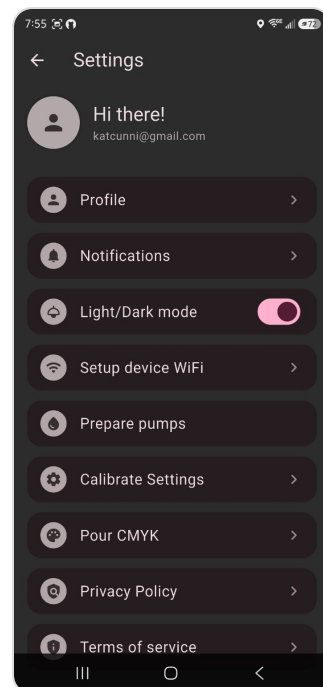
- Open Settings.
- Tap "Setup Device WiFi."
- Select your wireless network.
- Enter your Wi-Fi password.
- Tap Connect.

The machine saves your Wi-Fi credentials and uses them only for firmware updates.



Settings

Settings includes Profile, Notifications, Light/Dark Mode, Setup Device Wi-Fi, Prepare Pumps, Calibrate Settings, Pour CMYK, Clamp, Privacy Policy, Terms of Service, and Support.



TIP

Run Prepare Pumps before first use, after changing dye bottles, whenever air enters the tubing, or after long periods of inactivity. Continue until all five tubes dispense liquid without air gaps.

Need Help?

Contact Kaleidoscope support. Have your model and serial number ready.

MODEL

KCM-1

SERIAL NUMBER LOCATION

Bottom exterior sticker

SUPPORT

support@kaleidoscope.inc

© Kaleidoscope