

la marzocco technical bulletin #165

New Firmware for Linea PB, Strada AV, KB90 and Leva January 19, 2021

New firmware has been released for the Linea PB, Strada AV, KB90 and Leva.

[Download Linea PB, Strada AV, KB90 Firmware 1.12.1](#)

[Download Leva Firmware 1.2.0](#)

New Linea PB, Strada AV, KB90 Firmware 1.12.1

Firmware version 1.12.1 for all Linea PB, Strada AV and KB90 has been released. This release includes minor bug fixes, corrections of language mistranslations and several improvements.

Of note are the following changes:

- “Exit menu” has been moved to the first position in the menu. This was done to prevent accidental changes from being made if the menu was entered unintentionally. If the menu is entered unintentionally, an additional press of button three will now exit the menu as opposed to entering deeper into the menu and/or making changes.
- “Mirror Doses” feature has been added to machines with scales. This feature, if enabled, copies all MASS doses from group 1 to the enabled group. This feature is enabled per group. To be enabled, the group must be set to MASS mode.
- When the group is in PULSES mode, each dose may now be able to be set to “Use group 1” to synchronize the dose with that on group 1.
- “Scale Testing” has been moved to the Barista Menu. It is found in “Scale Settings” > “Start Scale Testing.”
- The “Flowmeter no pulses” error’s trigger has been changed from 5 seconds with no flowmeter pulses being registered to 10 seconds with no flowmeter pulses being registered.
- A “Flowmeter test mode” feature has been added to the technical menu. It is found in “Group Dose Settings” > “Run Flowmeter Test.” This new feature allows the technician to simulate a flow rate test. During this test the machine will run water through a group until 1000 pulses have been registered and display the time it took to achieve this. Once this has been completed on all groups,

the machine will display if there was variance and it will also display what gicleur size the flowmeter test indicates. If the flowmeter test fails, the machine will continue to operate and no direct alarms will display after exiting the test. Note: the gicleur size is only indicated if operating the machine with a pump pressure of 9 bar.

- The time remaining until the backflush cycle completes is now displayed as you are running the backflush cycle.
- On the KB90 it is now possible to set the machine to backflush all groups in series. This setting is found in the top level of the menu.

When upgrading to firmware 1.12.1 all settings will be preserved. If you decide to later downgrade to a previous version, all settings will be discarded and reset to their factory defaults.

New Leva Firmware 1.2.0

Leva firmware version 1.2.0 includes minor bug fixes, corrections of language mistranslations and several improvements. Of special note is that the features “RTD Trims” and “Potentiometer Calibration” have been moved to the Technical Menu.

USB Flash Drive Best Practices

To update firmware on the Leva, Linea PB, Strada AV and/or KB90, you will need to use a USB flash drive. It is recommended you use the smallest capacity drive you can find. It must be formatted FAT32. A small form-factor drive is useful to easily maneuver the drive into the USB slot on the machine. Finally, ensure you unzip the firmware you download and only place the firmware file, either a *.hex or *.elf, on the drive.

Do not hesitate to contact our solutions team with any questions you have about this technical bulletin.
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