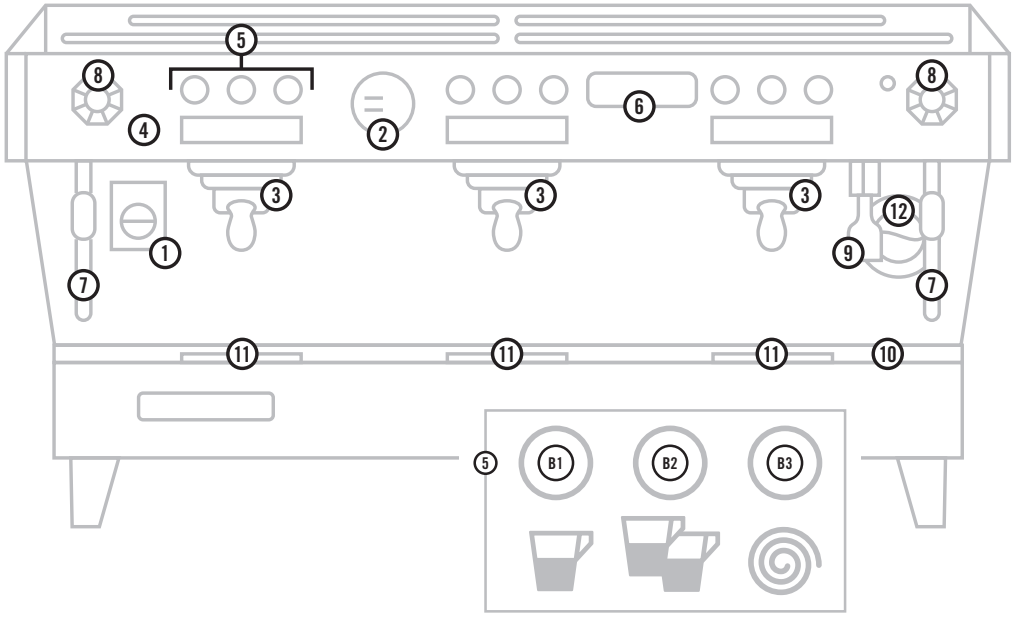
Quick Start Guide

linea pb Auto Brew Ratio (ABR)



1. main switch
2. pressure gauge
3. brew groups
4. control
5. keypad (G1)
6. digital display
7. steam wand
8. steam knob
9. hot water dispense nozzle
10. removable drip tray
11. scale platform
12. water inspection window

B1. single espresso
B2. double espresso
B3. continuous

Entering Programming

- Hold the “continuous” button for five seconds until “GROUP DOSE SETTING” appears.
- Navigate menus and adjust variables using B1 and B2, use the Continuous Button to enter and confirm changes.

Setting Tare Time and Stop-Early

- Enter Programming and navigate to SCALE CONFIGURATION.
- **Set “Stop-Early”**
  The “Stop-Early” parameter is an offset, which closes the brew valve before the target beverage mass is reached. The purpose of this is to allow for the residual liquid in portafilter to complete the beverage, without going over. You can easily calculate how many grams early you should stop by brewing a shot in mass mode, and subtracting your target from the final mass of the beverage. The difference is a good starting point, you may need to adjust depending on your flow rate.
- **Set “Tare Time”**
  The “Tare Time” parameter sets at what moment the machine will tare the cup. The goal is to allow you a few seconds after starting the shot in which to place the cup on the scale tray. If the cup is placed on the scale after the tare time, the weight of the cup will be counted toward the final beverage mass. Also, any coffee that has made it into the cup before the tare time will not be counted toward the final beverage mass.

Set Group Mode

Enter Programming, select mode per group.

Brewing with “Continuous”

The continuous mode is a manual mode, and will not self-terminate.

- Load portafilter to desired dose, engage in group.
- Start shot using the continuous button, making sure cup is in place before the programmed tare time.
- The weight of beverage will appear live on the display as the shot brews.
- Terminate shot manually when desired beverage mass is achieved, by pressing the continuous button again.

Brewing in Mass Mode

In mass mode, the brew cycle will terminate once a programmed beverage weight has been reached.

- Enter desired target beverage mass in programming.
- Load portafilter to desired dose, engage in group.
- Start shot using programmed button.
- The target weight will display until the tare time, at which point the cup weight will be tared.
- The shot will self-terminate when programmed beverage mass is reached.

Calculating Brew Ratio

dry coffee weight : beverage weight = ratio

(example: 18 grams dry coffee : 36 grams beverage weight or 1 : 2

Brewing in BREWRATIO mode

In Brew-ratio mode, the machine will calculate your target beverage mass by applying your programmed brew ratio to your measured input dose.

First Enter Portafilter Weight

- Hold G1B2 for 2 seconds until PF [ ][ ][ ] is displayed.
- Wait until PF 0.0 is displayed, place portafilter on scale tray, making sure the lip of the portafilter sits in the crescent shaped cutout.
- This only need to be done once, and applies to all groups.

Enter Desired Target Brew Ratio in Programming

- Load portafilter to desired dose.
- Hold B1 on desired group for two seconds, until COF [ ][ ][ ] is displayed.
- Once the weight of the portafilter is displayed (as a negative value COF -569) place loaded portafilter on scale tray, making sure the lip of the portafiler sits in the crescent shaped cutout. The keypad will flash once the dose is recorded.
- Engage the portafilter in the group.
- Start shot using programmed button.
- The target weight will be calculated based on the programmed brew-ratio and displayed until the tare time.
- The shot will self-terminate when calculated beverage mass is reached.

Checking/Calibrating Scales

Your scales (firmware v1.8) come calibrated from the factory, and do not need to be calibrated on install. Should you ever need to recalibrate, follow these instructions:

To Check Calibration:

- Enter mass mode.
- With blind disk in portafilter, engage continuous brewing.
- After [ ][ ][ ] stops blinking ~5 seconds 0.0 will be displayed.
- When 0.0 is displayed, place 100.0g weight on scale.
- Display should show 100.0 +/- .1g.
- If scale is outside of range, calibration must be performed.

To Calibrate:

Caution: anytime the drip tray is removed, place blind portafilter baskets in each group, to prevent water from dripping on electronics.

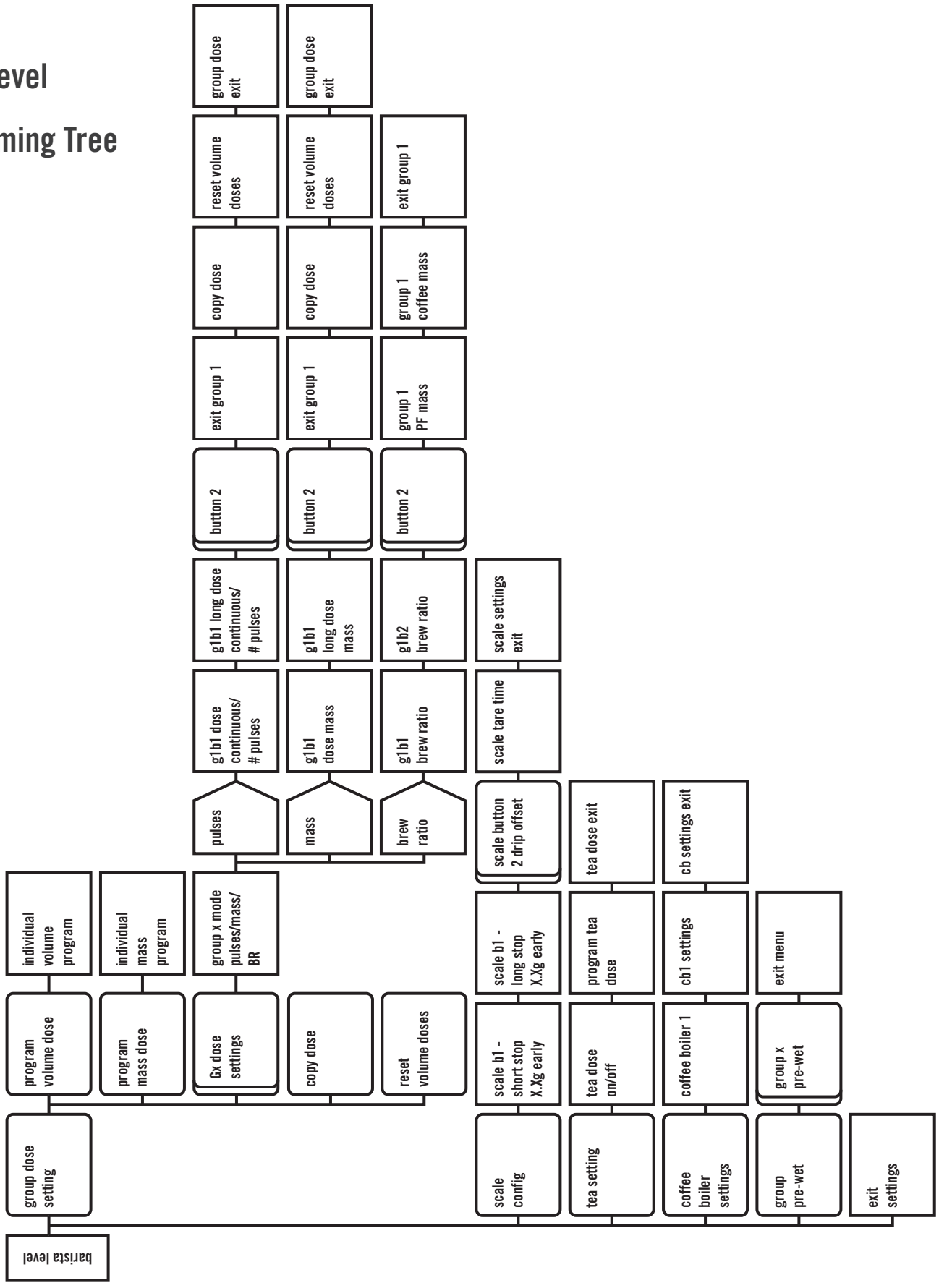
- Remove scale platforms and drip tray.
- Enter technician level programming, by holding the G1 continuous button for 10 seconds, until prompted for a password. (Password is B1,B2, CONTINOUS,B1,B2,CONTINUOUS).
- Navigate to SCALE CALIBRATION> GROUP 1 SCALE CALIBRATION.
- Follow on-screen instructions.
    - Empty scale, press enter.
    - Place 100g weight on scale, press enter.
- The display will flash values for three variables: Ratio, Trials and Quality. Record these values, and compare to the chart below. If any of these values are outside of the specified range, contact Technical Solutions.

Ratio	350-400
Trials	2-6
Quality	The difference between the two number should be <300

Linea PB

Barista Level

Programming Tree



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