



**disavè**<sup>TM</sup>  
espresso equipment suppliers



# SHOT TIMER

USER MANUAL

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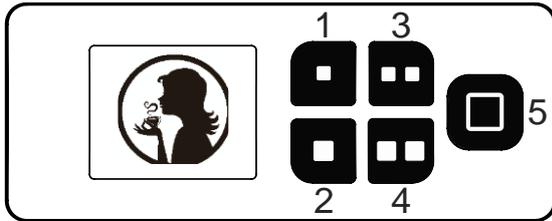
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# INTRODUCTION

## Scope

The Disavè volumetric touch pad has been designed to help the barista maintain quality control of shots during a busy day, by displaying the extraction time of the last shot made. This is reinforced by a simple GREEN and RED coloring on the display to let the barista know the last drink was made either within tolerance, GREEN, or outside of tolerance, RED.

## Overview of the buttons



\*Throughout the manual references to the buttons will be numbers as outlined above.

Navigating the menus, the below buttons operate the cursor to move in 4 directions and Button 5 is the enter key (E).



## Default Button Settings

	Name	Volume	Ideal Shot Time	Buffer
Button 1	1RISTRETTO	22	22	+/- 3 sec
Button 2	1ESPRESSO	30	30	+/- 3 sec
Button 3	2RISTRETTO	44	22	+/- 3 sec
Button 4	2ESPRESSO	60	30	+/- 3 sec
Button 5	MANUAL	n/a	n/a	n/a

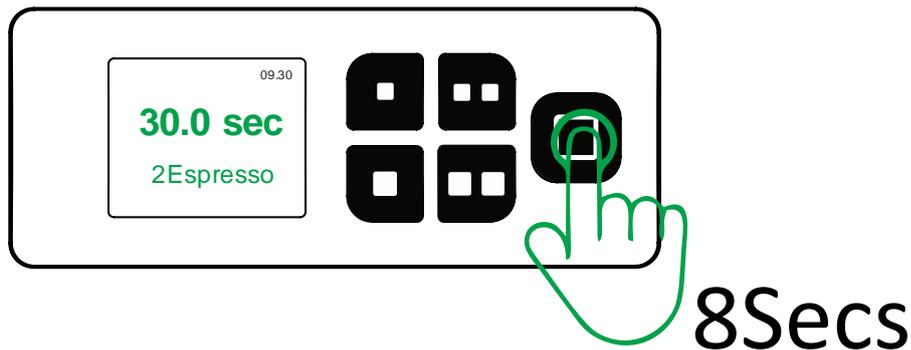
\*Volumes and time may not net the same result.

## Setting a new volume

Check the machine is at ideal operating temperature, this should be around 30 minutes after first start up for most models.

Load the porta-filter with the right amount of fresh coffee grounds at the correct grind setting for your coffee roast style.

Press and hold for more than 8 seconds Button 5, the display will read, “**Volumetric Programming Mode Press button within 30 seconds**” and all the buttons will flash ORANGE. If no button is selected, the programming mode will timeout after 30 seconds and normal operation will resume.



Insert the porta-filter with the coffee into the group head, select the desired button you wish to program (Buttons 1-4).

Measure out the desired shot volume (ideally with a suitable scale) and then press the same button to stop and set the new volume. The shot time recorded during the volumetric setting for each button is memorized and becomes the new ideal time +/- the buffer value. Repeat the process to program Buttons 1-4 as needed.

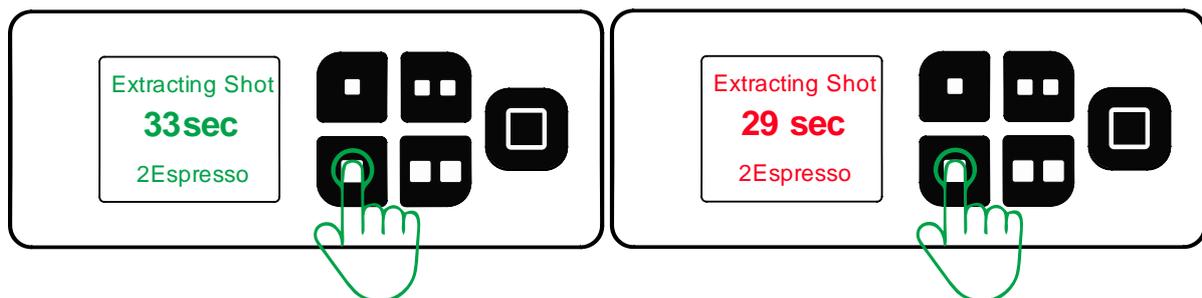
Once a button has had a new volume set, the orange light for that button will go out as a reference point to know you have programmed it. A new volume and time can be recorded over a previously set button by following the above steps, even if the orange light has gone out.

### Important:

Use a porta-filter filled with fresh espresso grounds for every new shot that is programmed.

### Example:

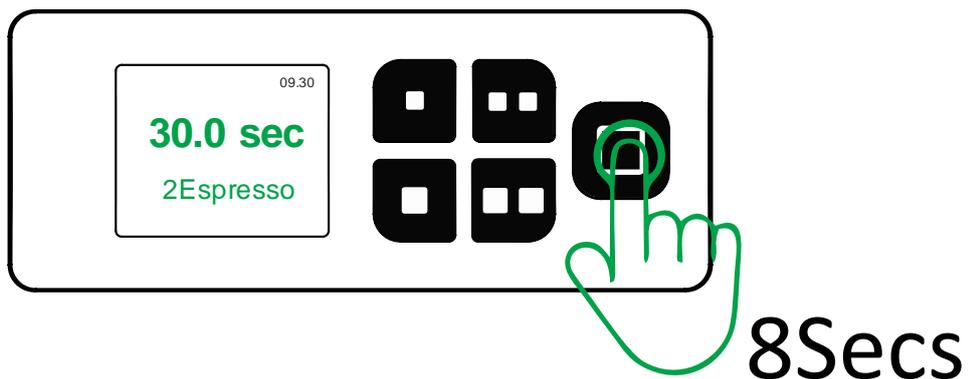
Programming Button 2 for 25mls with a total extraction time of 33 seconds with a buffer of +/- 3 seconds, will set the shot alarm to show a GREEN time, if the extraction is made between 30-36 seconds. A shot made less or more of this time will show RED.



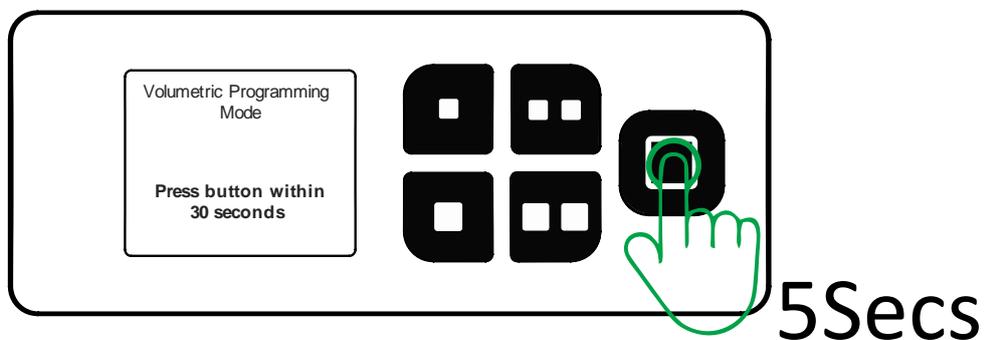
To exit the volumetric setting program at any time, press Button 5.

## Numeric Volume/Time Adjusting

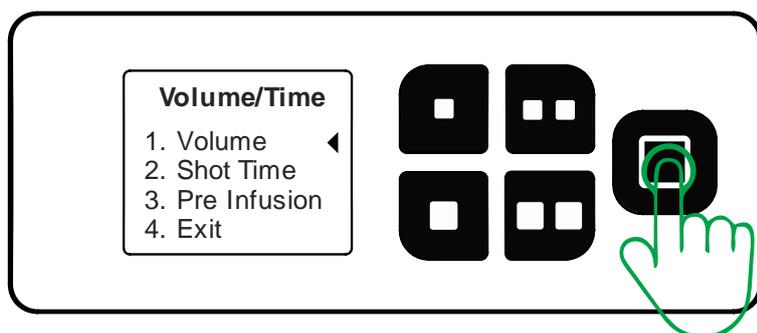
### Volume, Shot Time, Pre-Infusion



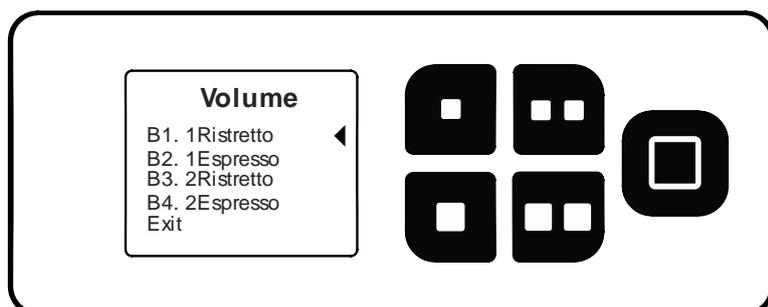
From the on screen, press and hold for more than 8secs Button 5, the display will read, “**Volumetric Programming Mode Press button within 30 seconds**” and all the buttons will flash ORANGE. Release button. If no button is selected, the programming mode will timeout after 30seconds and normal operation will resume.



Press and hold button 5 again for 5secs to access Numeric adjustment of the Volume, Shot Time and Pre-Infusion.



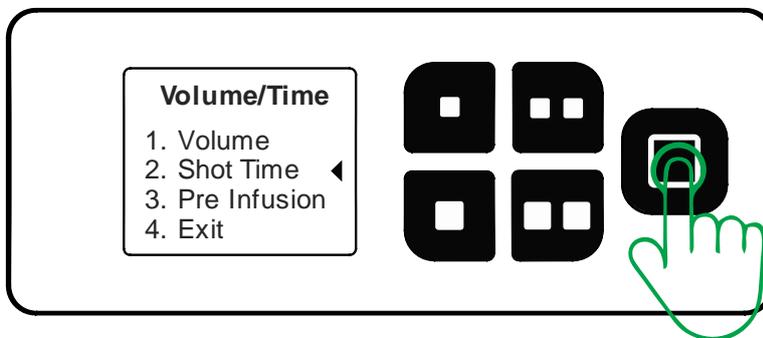
With the ◀ on Volume selection press the E key (B5)



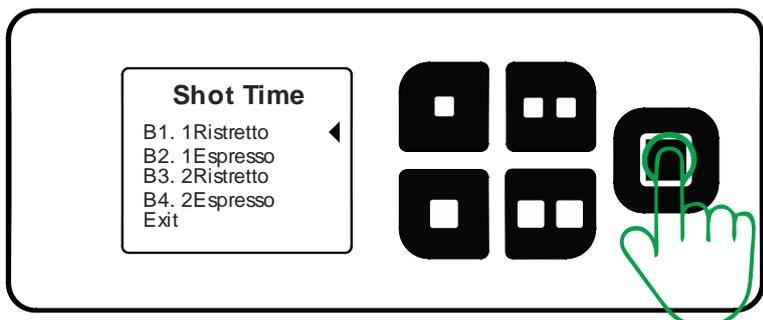
Use the up (B1) and down (B2) keys to move ◀ to drink selection to adjust and then press the E key (Button 5)



Use the up (B1) and down (B2) keys to adjust volume, press the E key (Button 5) to save and exit back one menu to Volume. The operator can then adjust the volume of the other buttons as needed or select the exit to move back to the Volume/Time menu.



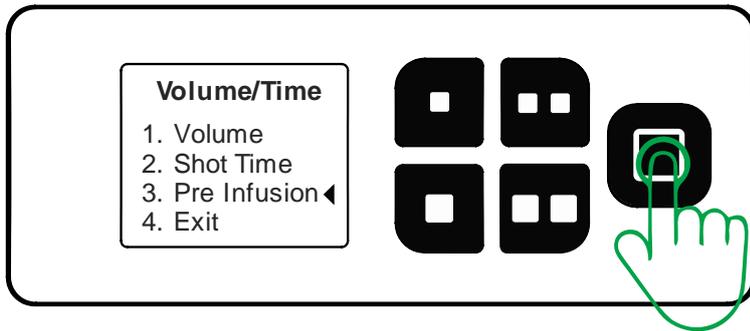
Use down (B2) key to move ◀ to Shot Time and then press the E key (B5)



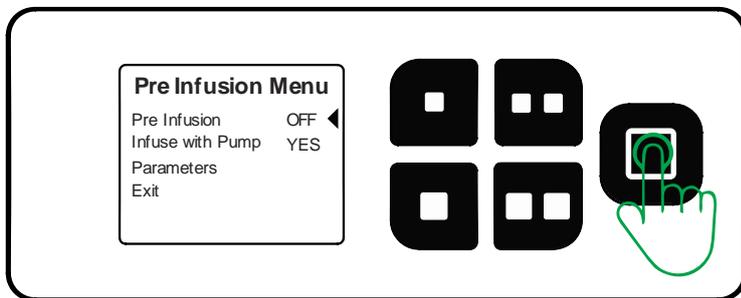
Use the up (B1) and down (B2) keys to move ◀ to drink selection and then press the E key (B5)



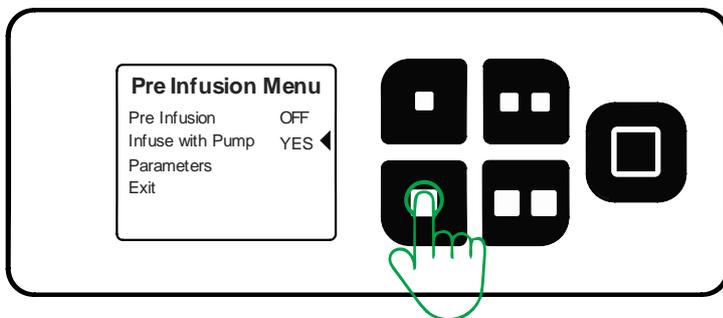
Use the up (B1) and down (B2) keys to adjust Shot time, press the E key (Button 5) to save and exit back one menu to Shot Time. The operator can then adjust the Shot Time of the other buttons as needed or select the exit to move back to the Volume/Time menu.



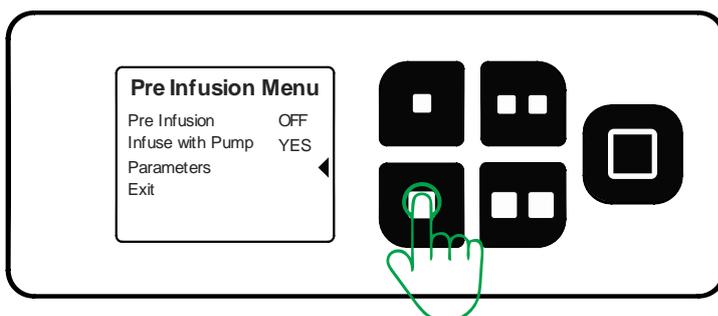
Use down (B2) key to move to Pre-Infusion and then press the E key (B5)



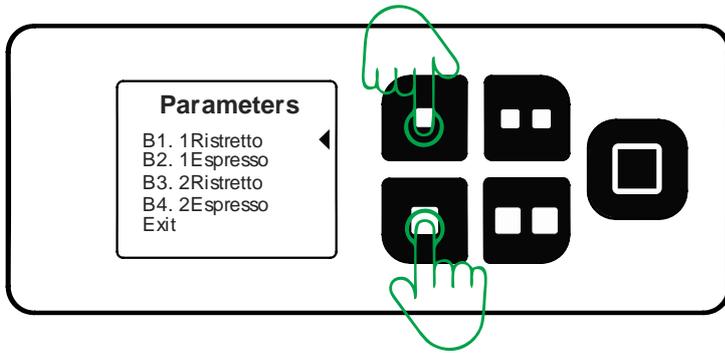
With the on the "Pre Infusion" selection, press the E key to switch between on and off to turn pre infusion on or off.



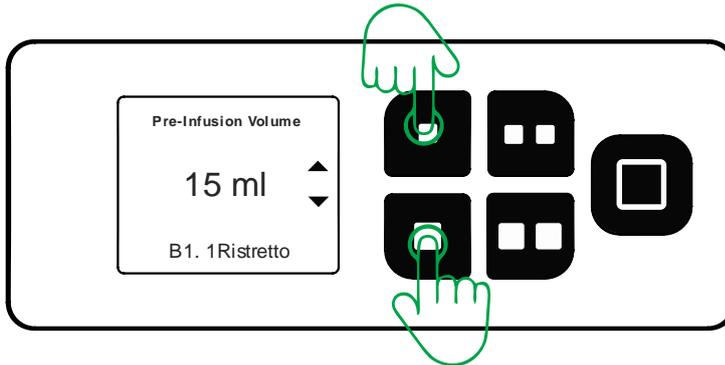
Use the down (B2) key to move to "Infuse with Pump" selection and then press the E key (B5) to switch between YES and NO, to use the pump pressure during the infusion volume.



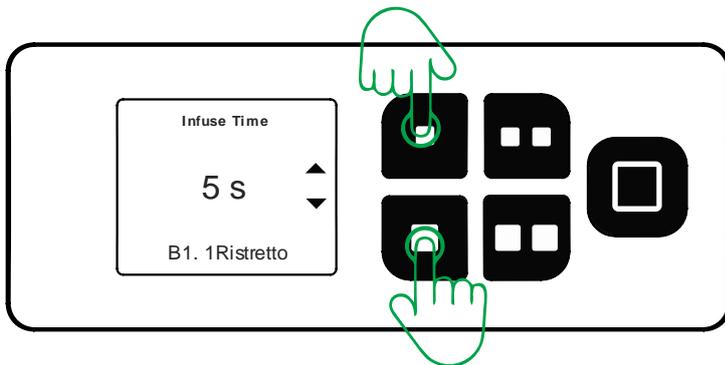
Use the down (B2) key to move to "Parameters" selection and then press the E key (B5)



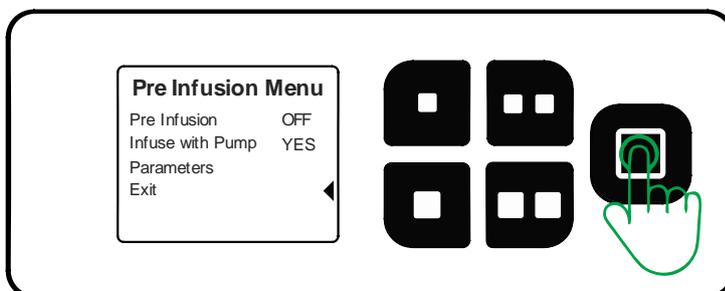
Use the up (B1) and down (B2) keys to move ◀ to drink selection and then press the E key (B5)



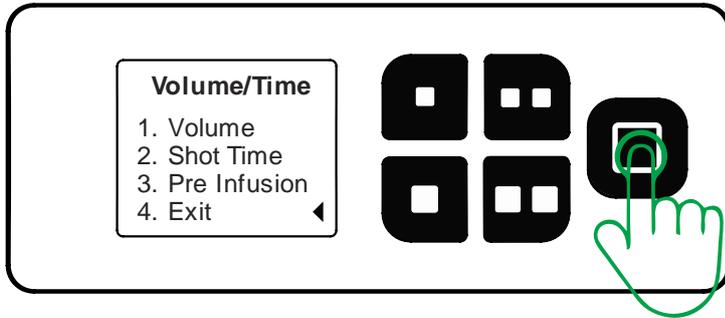
Use the up (B1) and down (B2) keys to adjust pre-infusion volume, press the E key (Button 5) to save and move to Infuse Time.



Use the up (B1) and down (B2) keys to adjust infuse time, press the E key (Button 5) to save and exit back one menu to Parameters. The operator can then adjust the Parameters of the other buttons as needed or select the exit to move back to the Pre-Infusion Menu.



Additional adjustments can be made by moving ◀ or select exit to move back to the Volume/ Time Menu

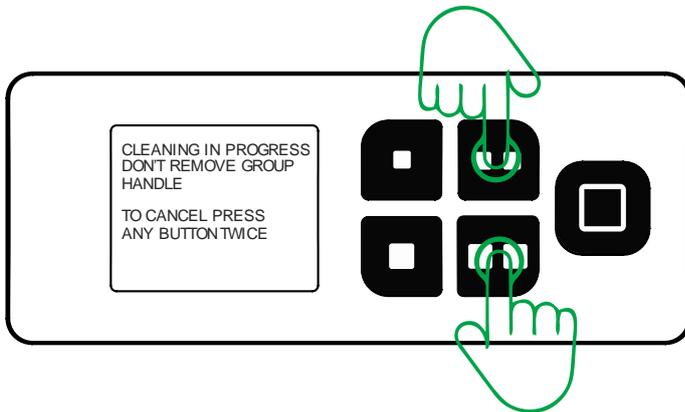


Addition adjustments can be made by moving ◀ or select exit to escape from the menu.

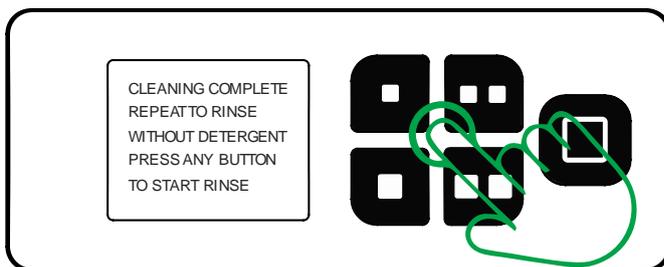
## Back-Flush Function

Insert a blind basket into a porta-filter handle. Dose the appropriate amount of backflush powder into the blind basket and insert into the group head to clean.

Press simultaneously and hold down for more than 3 seconds Buttons 3+4. The cleaning function will start and display the below message while flashing all button lights green

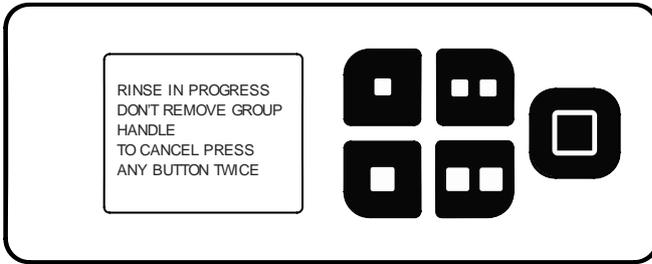


The function will cycle 10 times with back-flush powder to clean the group head of old coffee oil, then stop and display the below message with all button lights on solid green.

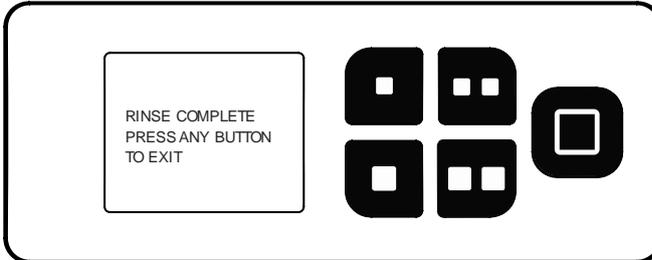


Remove the porta-filter handle and clean out remaining backflush detergent, reinstall porta-filter handle into group head and press any button to start rinse.

The button lights will start to flash green again and below message will be displayed.



Once rinse cycle is complete the display will show below message. Press any button to exit



Press any button to exit

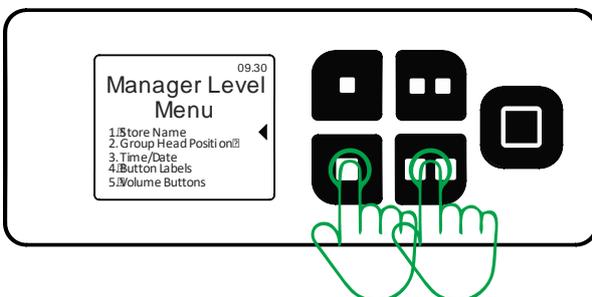
## Manager Level Menu

Under the manager level menu, the below parameters can be accessed.

1. Store Name
2. Group Head Position
3. Time/Date
4. Button Labels
5. Volume Buttons
6. Dose Program Lock
7. Shot Timer ON/OFF
8. Shot Time Alarm
9. Transfer Config

Exit Menu

To access the menu, press simultaneously and hold for more than 10 seconds, Buttons 2+4



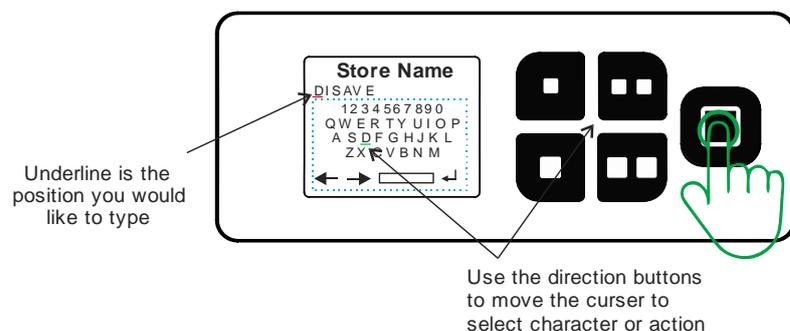
### 1. Store Name

## Manager Level Menu

1. Store Name ◀
2. Group Head Position
3. Time/Date
4. Button Labels
5. Volume Buttons

It is possible to name the board or give it a position number on a machine for data collection.

Move the cursor ◀ to be in line with the Store Name by using B1 or B2 key. Press the E key to enter menu.



A KEYBOARD menu will appear which can have a unique name or number entered up to 10 characters.

Use the direction buttons to move the cursor highlighted in GREEN to add or replace characters above that are underlined by the line highlighted as RED. When the cursor is on the character required press the E key to make the change.

Pressing the E key on the symbols will have the below affect

- ◀ Move the underline back 1 position
- ▶ Move the underline forward 1 position
- Add a blank space
- ⏏ Will exit the menu and return you to the main Manager Level Menu.

## 2. Group Head Position

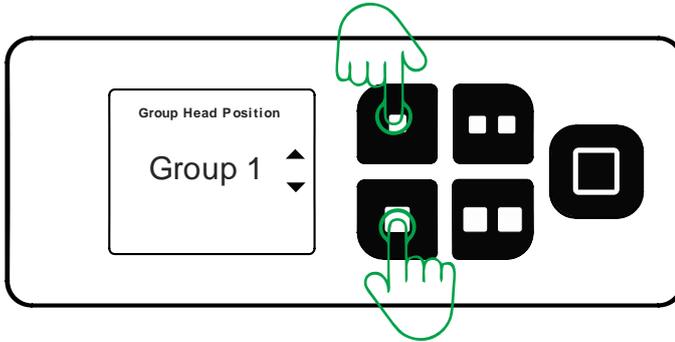
09.30

## Manager Level Menu

1. Store Name
2. Group Head Position ◀
3. Time/Date
4. Button Labels
5. Volume Buttons

It is possible to number the group position the board is installed on for a machine for data collection.

Move the cursor ◀ to be in line with group head position by using B1 or B2 key. Press the E key to enter menu.



Use the up (B1) and down (B2) keys to adjust group position between Group 1 and Group 4, press the E key (Button 5) to save and exit back to Manager Level Menu.

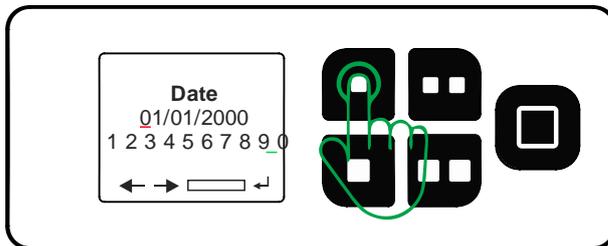
### 3. Time/Date

09.30  
**Manager Level  
 Menu**

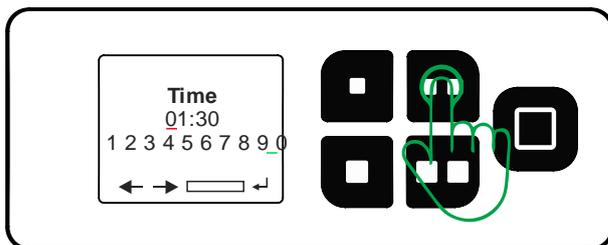
- 1. Store Name
- 2. Group Head Position
- 3. Time/Date
- 4. Button Labels
- 5. Volume Buttons

A time and date can be added to the board. Move the cursor ◀ to be in line with the time and date by using the UP or DOWN key. Press the E key to enter menu.

Navigate the keyboard with the direction keys in the same manner as outlined above to adjust the date.



Navigate to the ↵ to progress to the next menu and then adjust the time in the same matter.



Navigate to the ↵ to exit the Time/Date setup and return to the main Manager Level Menu

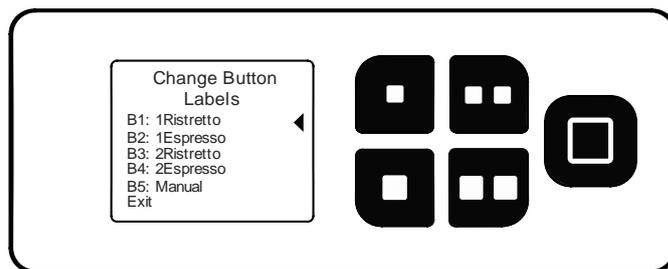
## 4. Button Labels

09.30

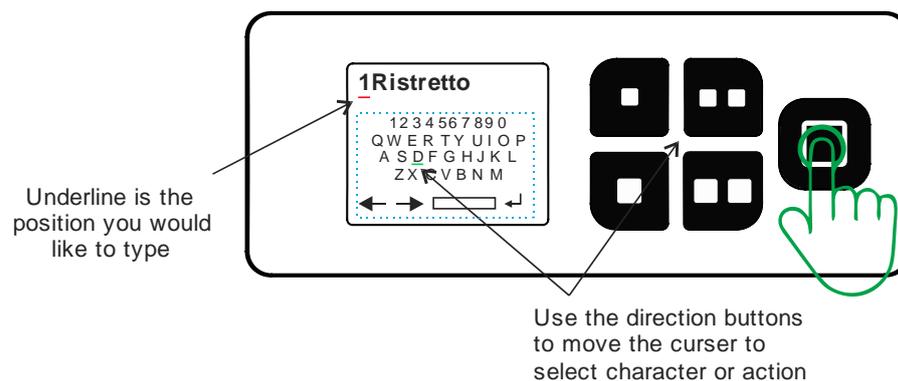
# Manager Level Menu

1. Store Name
2. Group Head Position
3. Time/Date
4. Button Labels
5. Volume Buttons

Personalise each button with your own label. Move the cursor ◀ to be in line with Button Labels selection by using the UP or DOWN key. Press the E key to enter menu.



Move the cursor ◀ to be inline with label to change. Press the E key.



A KEYBOARD menu will appear which can have a unique name or number entered up to 10 characters.

Use the direction buttons to move the cursor highlighted in GREEN to add or replace characters above that are underlined by the line highlighted as RED. When the cursor is on the character required press the E key to make the change.

Pressing the E key on the symbols will have the below affect

◀ Move the underline back 1 position

▶ Move the underline forward 1 position

□ Add a blank space

⏴ Will exit the menu and return you to the list of button labels. Adjust other labels or select exit to return to the main Manager Level Menu.

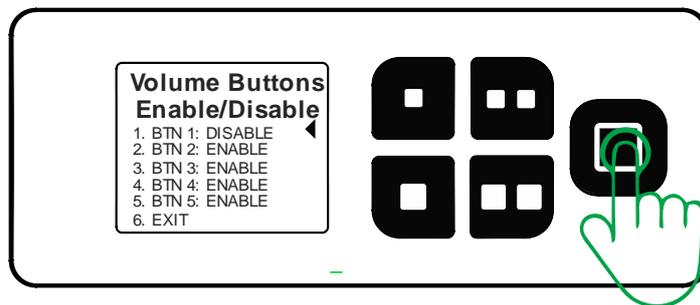
## 5. Volume Buttons

### 09.30 Manager Level Menu

1. Store Name
2. Group Head Position
3. Time/Date
4. Button Labels
5. Volume Buttons ◀

It is possible to disable any of the 5 buttons if they are not required.

Move the cursor ◀ to be in line with the Volume Button by using the UP or DOWN key. Press the E key to enter menu.



Use the UP or DOWN key to move the ◀ to selection you wish to change. Press the E key and the selected will change from Enable to Disable or vice versa.

Select Exit to return to main Manager Level Menu.

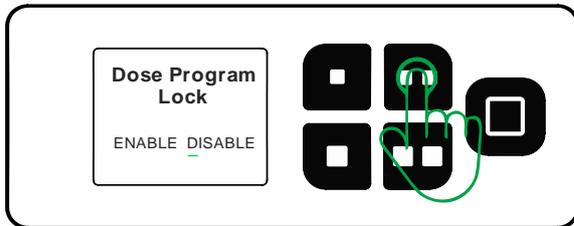
## 6. Dose Program Lock

### 09.30 Manager Level Menu

2. Group Head Position
3. Time/Date
4. Button Labels
5. Volume Buttons
6. Dose Program Lock ◀

Once the volumetrics have been set, you can lockout other users from accessing the volumetric setting program. Move the cursor ◀ to be in line with the Dose Program Lock by using the UP or DOWN key. Press the E key to enter menu.

Use the left and right direction key to underline ENABLE or DISABLE the lock. Press the E key to accept selection and return to the main Manager Level Menu.



## 7. Shot Timer ON/OFF

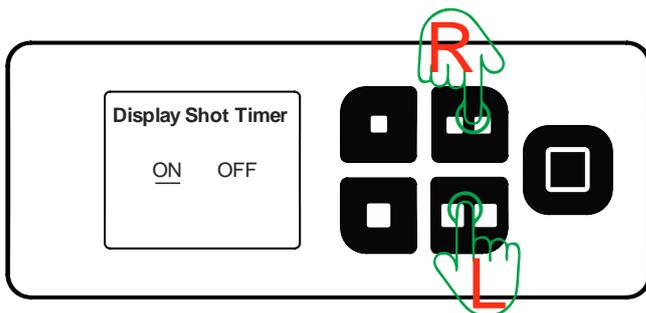
09.30

# Manager Level Menu

- 3. Time/Date
- 4. Button Labels
- 5. Volume Buttons
- 6. Dose Program Lock
- 7. Shot Timer On/OFF ◀

It is possible to disable/enable the shot timer function if not required.

Move the cursor ◀ to be in line with the Shot Timer ON/OFF by using the UP or DOWN key. Press the E key to enter menu.



Use LEFT and RIGHT buttons to move the underline to ON or OFF. Press the E key to save and exit back to the Manager Level Menu.

## 8. Shot Time Alarm

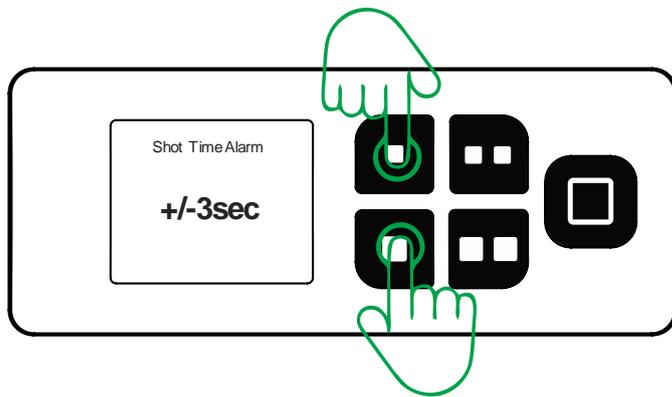
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# Manager Level Menu

- 4. Button Labels
- 5. Volume Buttons
- 6. Dose Program Lock
- 7. Shot Timer On/OFF
- 8. Shot Time Alarm ◀

It is possible to adjust the range the shot timer alarm will display RED or GREEN from the set shot time for each button.

Move the cursor ◀ to be in line with the Shot Timer Alarm by using the UP or DOWN key. Press the E key to enter menu.



Use B1 and B2 to increase or decrease the alarm value. The set value will add or subtract from the set shot time to give a range the drink will display as green.

i.e. Shot time set for 30secs with Alarm set +/-3sec will give a green result for drinks made between 27-33seconds. Drinks made outside of this range will be RED.

*\*To turn OFF the RED and GREEN signalling set the Shot Time Alarm value to 0.*

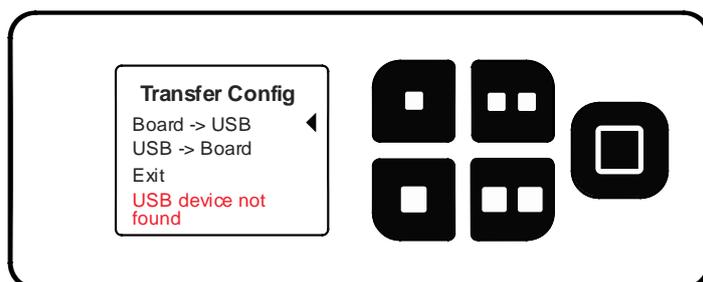
## 9. Transfer Config

### 09.30 Manager Level Menu

- 5. Volume Buttons
- 6. Dose Program Lock
- 7. Shot Timer On/OFF
- 8. Shot Time Alarm
- 9. Transfer Config

It is possible to transfer all configurations from the board to a USB memory stick or from the stick to the board to clone a new board to save time.

Move the cursor ◀ to be in line with the Transfer Config selection by using the UP or DOWN key. Press the E key to enter menu.



If no USB device is inserted a RED notice will be displayed otherwise it will not be displayed.

Move the cursor ◀ to make selection from the board to USB or visa versa. Press the E key to transfer the configuration.

Move ◀ to EXIT and press the E key to save and exit back to the Manager Level Menu.

## EXIT Manager Level Menu

To exit the Manager Menu, select Exit Menu with the ◀ and press the E key.

