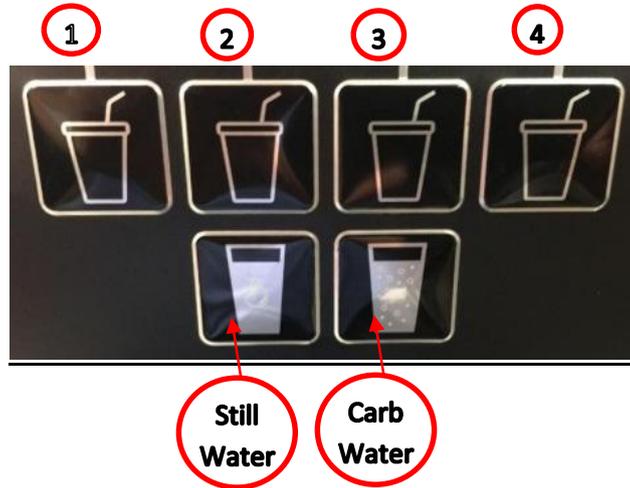


1. Accessing programming mode and button operation

Before commencing programming and brixing, ensure that there is a mains water supply connected and switched on, the CO2 supply connected and switched on and syrup supplies from NON PRESSURISED bag in boxes connected.



In dispense mode, the buttons 1-4 above are used to dispense a flavoured drink or the still and/or carbonated water buttons are pressed to dispense plain still or carbonated water.

In programming mode, the numbers above correspond to the numbers shown on the following display screens to perform adjustments or to scroll up and down the menus as required. Where H2O is shown as an option, pressing either the still or carbonated water buttons do the same thing.

When in programming mode, the Albi Flex keypad is used to adjust and set the various options for dispense of still and carbonated drinks which includes the following which is in the order they are accessed: -

- Enable\Disable compressor, carbonator pump, and dispense valve.
- Priming of syrup pumps.
- Brix ratio setting of syrups, carbonated water and still water.
- Display of syrup pump run time in minutes.
- Enable\Disable dispense of carbonated and still water only.
- Setting of still or carbonated dispense for each flavour
- Setting the nozzle wash feature on or off.
(This can be turned off if the unit is to be used to dispense very small portions as a mixer for other drinks)

2. Putting the unit into programming mode.

Plug the unit into the mains power supply and the initialising screen below will be displayed immediately. This screen also displays the software version of both the display and the main PCB. Within four seconds of plugging the unit in, press and hold buttons 1&4 simultaneously and the first setting screen will be displayed which is detailed in section 3.



3. Enabling\Disabling the fridge system, carbonator pump and dispense valve

The function of this screen allows the user to Enable\Disable the fridge system, the carbonator pump and the dispense valve if required. Pressing button 3 (+) will move to the next setting screen and pressing button 2 (-) will move you back to the previous screen (As this is the first setting screen, button 2 does not do anything in this screen) Pressing button ✓4 ✓ will take you into the sub menu to change the settings.



Press button ✓4 ✓ to go to the setting screen.



= FRIDGE - CONTROLLED BY BUTTON 2



= CARBONATOR PUMP - CONTROLLED BY BUTTON 3



= DISPENSE VALVE - CONTROLLED BY BUTTON 4



The top row shows the status of the three options.

If the box has an X in it, the feature is disabled

If the box has a tick in it, the feature is enabled.



Pressing buttons, 2, 3 or 4 will either enable or disable the fridge, carbonator pump and dispense valve respectively. The tick and the X will switch between the top and bottom rows to indicate the status. Pressing button 1 will return you back to the previous screen.

NOTE

If the fridge and or the carbonator pump are disabled, there will be no other indication other than in the above screen indicated by an X in the top row. If the dispense valve has been disabled, and the machine is in dispense mode and someone presses a button to dispense a drink, the following screen will be displayed. The machine will not be able to dispense drinks whilst the dispense valve is disabled.



Press button 1 to return to: -



And then press button 3 to take you to the next setting menu.

4. Syrup pump priming screen

The function of this screen allows the syrup tubing, pumps and syrup cooling coils to be primed with syrup all the way through to the dispense valve prior to brining and when changing bag in boxes if the lines have been completely emptied.

Pressing button 3 (+) will move to the next setting screen and pressing button 2(-) will move you back to the previous setting screen

Pressing button **✓4✓** will take you into the sub menu to prime the syrup lines and pumps.



Press button **✓4✓** to go to the setting screen.



Pressing buttons 1-4 will manually operate the syrup pumps allowing syrup to be drawn from the bag in boxes to prime the lines and the pumps. Once syrup is dispensed from the dispense nozzle the line is primed. Prime each one in turn.

Press either the still or carbonated water button to exit and return to: -



And then press button 3 to take you to the next setting menu.

5. Brix ratio settings for carbonated water, still water and syrups.

The function of this screen is to set the carbonated and still water flow rates followed by the syrup flow rate to ensure the brix ratio of the finished drink is correct. The carbonated water and still water flow rates are adjusted manually at the valve which is also described here and the water flow rate check is done using the buttons as described below.

Pressing button 3 (+) will move to the next setting screen and pressing button 2(-) will move you back to the previous setting screen

Pressing button **✓4✓** will take you into the sub menu to allow all flowrates to be set and to allow a "Test pour" to verify the flow rates are correct.



Press button ✓4✓ to go to the setting screen.



The top right hand corner shows which flavour or if it is still or carbonated water that is being set. For the syrups it will show Flav.1 to Flav.4



For still water it will depict H2O-0



For carbonated water it will depict CO2-0

The carbonated water flow rate should be set first followed by the still water flow rate and lastly the syrup flow rates.

Pressing button 3(+) will move through the syrup flavours one by one until you reach the carbonated water setting screen. Pressing it once more will take you to the still water setting screen.

Both still & carbonated water are set using the same procedure and are also adjusted using the same procedure.



The Albi unit is designed to typically pour at 1.5oz\sec (42.6ml\sec) finished drink flowrate using typically 5:1 syrup ratios. This means that typically the water flow rate should be set to 1.25oz\sec (35.5ml\sec). Over the 7 second dispense period the volume of carbonated water dispensed when set should be 8.75oz (248.5ml) working on this finished drink flow rate

If other flow rates and or ratios are required, then volumes and flow rates will need to be calculated accordingly.

Note

The Albi unit does not support high flow rates and as such the guidelines above should be adhered to where possible.

TEST POUR

Ensuring there is a cup under the dispense nozzle, upon pressing button 4 once, the unit will dispense a 7 second pour of carbonated water or still water depending which screen you are in.

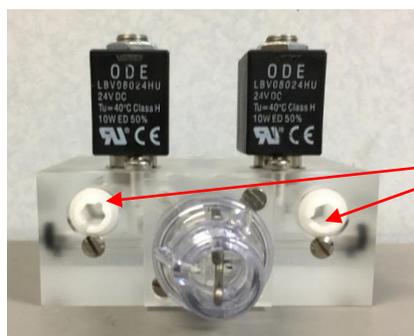
Measure the volume dispensed and if adjustment is required, then the adjuster screws on the carbonated and still water regulators in the valve need to be adjusted to obtain the correct flow rate.

Adjustment of carbonated and still water flow at the dispense valve.

There are two types of flow control that could be fitted to Albi flex units, both of which control the flow but have different internals and both are accessed in the same way.

TYPE 1 – Fitted to sample units only prior to August 2018.

These have flow restrictors, not flow regulators. These can be adjusted using a 6mm hexagon Allen key. The adjusters are shown below looking up at the dispense nozzle. Looking from the front of the unit, the carbonated water adjustment will be on the right hand side of the unit and the still water adjuster on the left hand side of the unit.



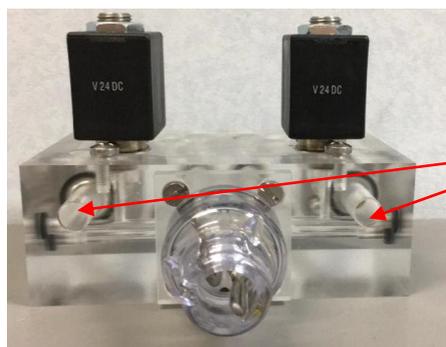
Carbonated water and still water flow adjusters

TYPE 2 – Fitted to production units after August 2018.

These have flow regulators. These can be adjusted using a flat blade screwdriver.

The adjusters are shown below looking up at the dispense nozzle.

Looking from the front of the unit, the carbonated water adjustment will be on the right hand side of the unit and the still water adjuster on the left hand side of the unit.



Carbonated water and still water flow adjusters

To increase the flow turn the adjuster clockwise. To reduce the flow, turn the adjusted anti-clockwise.

Accessing The Carbonated and Still Water Flow Adjusters

1. To access the flow adjusters, first remove the drip tray to allow access to the screw that retains the splash back moulding.



Drip tray



Splashback retaining screw

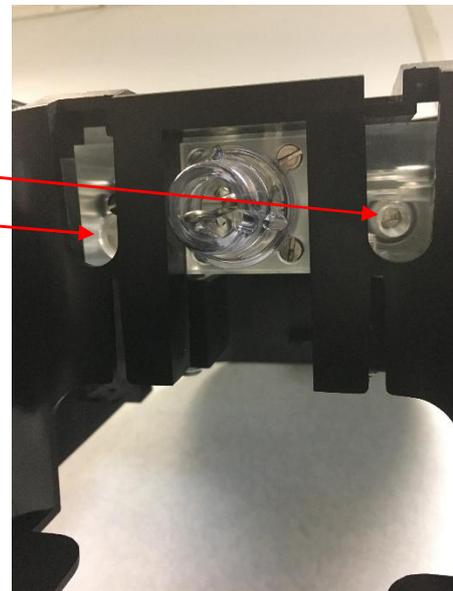
2. Undo the single splashback retaining screw and remove the splash back by pulling it from the bottom and lifting it up.

Unit with splashback removed



Dispense nozzle

Access to adjusters is from underneath through the slots



Once the water flowrates are set, the syrup pump flowrate needs to be set to obtain the correct brix ratio for the syrup.

Adjustment of syrup flow using the keypad

The syrup flow should be set to ensure the finished drink ratio is correct. On a 5:1 product ratio using the 1.25oz\sec water flowrate and the 7 second test pour volume of 248.5ml of water, the syrup volume to match this should be 49.7ml. This will give a 5:1 ratio. Other ratios will need to be calculated.

Whilst still in the brix screen, press button 2(-) to move back to Flav.1 which is to set the syrup pump flowrate for syrup pump 1.



Press button ✓4✓ to go to the setting screen.



Syrup pump voltage

The syrup pump voltage setting is shown as 2V4 which equates to 2.4 volts

With a measuring cup or brix cup under the dispense nozzle, press button 4 to pour a 7 second pour of syrup. Measure the syrup volume dispensed to determine if the syrup volume dispensed is correct for desired product ratio.

If the volume is too little, then the voltage must be increased by pressing 3(+).

If the volume is too great, then the voltage must be decreased by pressing 2(-).

Each time an adjustment is made, measure the dispensed volume by pressing button 4 until the correct volume is achieved.



Press button 1 to move back to the screen and then press button 3(+) to move to flavour 2.

Press button 4 to move to the voltage setting screen and then repeat the steps as above to set the syrup pump voltage\flow rate.

Repeat the above for flavours 3 & 4.

Press button 1 twice to bring you out of the Brix screens and back to the main menu.

6. Syrup pump run time total

Press button 3(+) to move to the next screen shows how long each syrup pump has operated for in minutes. There is no setting to do here, it is just for information.



Press button ✓4✓ to go to the count screen which will display the count for syrup pump 1 in minutes. Pressing button 3 will move to the next syrup pump and pressing button 2 will move back to the previous syrup pump count.



Pressing button 1 will move you back to the total screen to allow you to move to the next menu screen.



7. Disable carbonated and still water dispense

Press button +3+ to move to the disable carbonated and still water function. This feature allows you to switch off the still and carbonated water dispense from the buttons on the panel. Both are disabled together, there is no option to disable each individually.



Press button ✓4✓ to access the menu.



A tick in the box shows that the carb and still water dispense is enabled

Press button ✓4✓ to disable the carb and still water dispense



A cross in the box shows that the carb and still water dispense is disabled

Press button 1 to go back to the previous menu.



Press button +3+ to go to the next menu which is to set which flavours are dispensed with still water and which flavours are dispensed with carbonated water. Any combination can be set.

8. Setting which pump is to dispense still or carbonated drinks

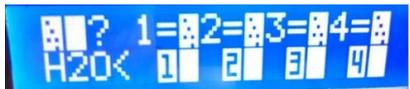


Press button ✓4✓ to take you to the setting menu. The screen below is read by looking at the graphics depicted in the top row and the bottom row. The top row shows the current settings of each pump where still is depicted by a blank white square and carbonated is depicted showing a white square with dots. The bottom row shows what the setting would change to when you press keys 1-4 to change from still to carbonated or from carbonated to still.

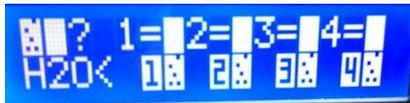
The screen below shows that pumps 1 & 2 are set to carbonated and pumps 3 & 4 are set to still.



Pressing buttons 3 & 4 will change pumps 3 & 4 to dispense carbonated product and the screen will show as below



Pressing buttons 1,2,3 & 4 will have all pumps dispense still drinks and the screen will show as below.



Press either of the still or carbonated water buttons to exit this screen which will move you back to the previous menu as below.



9. Setting the post wash on or off

Press button +3+ to take you to the wash set up menu. This menu allows you to switch the post dispense wash of 25 milliseconds on or off. In normal dispense it needs to be switched on to allow the nozzle to be flushed briefly to prevent cross flavouring and cross colouring between flavours. However, if the unit is being used for very small portions such as dispensing product to mix with spirits there is the option to turn it off as on small dispense volumes, there is a greater effect on the brix ratio.



Press button **✓4✓** to access the wash setting. The 00 shown in the top right hand corner depicts that the wash setting is switched off. To switch it on press button +3+.



The 25 shown in the top right hand corner depicts that the wash setting is switched on. To switch it off press button -2-.



The set-up is now complete and to get to the dispense mode press button 1 twice. The screen will display READY TO DISPENSE (providing the dispense is enabled).

