

B.V.L. Controls Ltd

AMD

User Guide

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Getting Started

Congratulations on your purchase of a B.V.L. Controls AMD control unit. This control is easy-to-use, versatile and dependable with lots of unique features including:

- ... Easy-to-read, four-line backlit text display
- ... Interactive Menu Prompts
- ... Durable keypad
- ... Easy-to-install
- ... User-Friendly
- ... Can manage up to 8 Faucets (Automatic or Manual)
- ... Can be used with Flow meters or Timer mode
- ... Control is fully upgradeable
- ... Parts can be added separately as you need them
- ... Power Loss Indicator
- ... "Removed Faucet / Flow meter" Indicator
- ... Auto Detects added parts
- ... All information is on the display
- ... Computer / Printer interface

Function Keys

The following keys perform these functions when pressed during most procedures.

Normal/Manager

When the key is in **Normal Mode**, it lets you see each quantity poured for every Faucet and every size using the keypad keys. In normal mode, no change can be made to the Control settings, only viewing is allowed. When the key is in **Manager Mode**, it lets you change all the setting of the control. Only qualified personnel should use the Manager Mode, since all information can be changed in this mode. All options are explained later.

F1/F5 In normal mode, this key lets you choose **Faucet #1** or **Faucet #5** when used in conjunction with the shift key. When in manager mode, lets you specify which option to select.

F2/F6 In normal mode, this key lets you choose **Faucet #2** or **Faucet #6** when used in conjunction with the shift key. When in manager mode, lets you specify which option to select.

F3/F7 In normal mode, this key lets you choose **Faucet #3** or **Faucet #7** when used in conjunction with the shift key. When in manager mode, lets you specify which option to select

F4/F8 In normal mode, this key lets you choose **Faucet #4** or **Faucet #8** when used in conjunction with the shift key. When in manager mode, lets you specify which option to select

No/Shift This key lets you choose between “rows” of faucet. When pressed, it accesses the second set of faucet (F5 to F8). It’s also used to answer “No” when there is a question asked.

Yes/Enter In normal mode, this key lets you print all Faucets and sizes information on a printer. When in manager mode, it confirms your action.

Connecting Control

For Manual Model.

- Step 1 Connect the first Faucet connector to the backplane of the control where it is written "Faucet 1"
- Step 2 Repeat step 1 for every Faucet you have, incrementing Faucet number.

For Automatic Model:

- Step 1 Connect the first Faucet connector to the backplane of the control where it is written "Faucet 1"
- Step 2 Connect the coil connector to the power box, where it is written "Coil1".
- Step 3 Connect the communication cable from the backplane of the control (PW1) to the Power Box where it is written "Com"
- Step 4 If you have purchased flow meter; connect it to the backplane of the control where it is written "Flow1" (or corresponding number)
- Step 5 Repeat those step for every Faucet and flow meter you purchased, incrementing Faucet number, keeping in mind that when you connect a Faucet, always connect the corresponding coil and flow meter at the same number. Ex: Faucet 2 goes with Coil 2 and Flow meter 2. (Right connector of the Power Box is always the first coil)

Basic Operation

Resetting Counters

Resetting the counters puts all or selected Faucet counts to zero. Here are the steps.

- Step 1 Go in manager mode, press F1 (Reset Counters).
- Step 2 Select the Faucet you want to reset with the corresponding key. If you want to reset all Faucets, press Enter at this point.
- Step 3 The display should now tell you which faucet you are going to reset and ask you for confirmation. If you are sure, press Enter .If you don't want to reset this Faucet, press No and you will go back to the menu.
- Step 4 Repeat these steps to reset the Faucet of your choice.

Viewing / clearing Information

Errors indicate if a Faucet or a flow meter has been unplugged while the control was in operation. This information is usually used with manual control, it tells if someone served beer without the Faucet or Flow meter attached to the control. Here are the steps to view the errors.

- Step 1 Go in manager mode and press F2 (View Information)
- Step 2 You can now see if a Flow meter or Faucet generated and error and it also tells you which one did.
- Step 3 If you want to clear errors, press Shift, (power loss will also be cleared) if you do not wish to clear errors, simply press Enter to go back in the menu.

Manual Option

Manual option lets you choose between memory and normal operation. In normal operation, when you pull back the handle and the portion didn't finish, you lose the rest of the portion. In memory mode, even if the pull back the handle, the control will only count when the pour quantity will be done, no matter if you push / pull the handle.

- Step 1 Go in manager mode and press F3 (Manual Option)
- Step 2 Select the Faucet you want to modify with the corresponding key. If you want to modify all Faucets, press Enter at this point.
- Step 3 The display should now tell you which faucet you are going to modify and ask you for confirmation. If you are sure, press Enter .If you don't want to modify this Faucet, press No and you will go back to the menu.
- Step 4 Repeat these steps to modify the Faucet of your choice.

Calibrating the Control

Calibration sets the size of each portion you want, on the Faucet you want. It is done simply by pouring a glass and the control remembers your size. Here are the steps for calibration.

- Step 1 Go in manager mode. Press F4 (Next Menu) and press F1 (Calibration Mode)
- Step 2 Select the Faucet you want to calibrate with the corresponding key.
- Step 3 The display should now tell you which faucet you are going to calibrate and ask you for confirmation. If you are sure, press Enter .If you don't want to calibrate this Faucet, press No and you will go back to the menu.
- Step 4 You are now in calibration mode. Just select the size you want, and pour a glass. You can do it in multiple shot, but the precision is going to be better if it's done in one time. You can do all the four sizes on the faucet without changing option in the menu
- Step 5 After all size needed are done simply press Enter to go back in the menu.
- Step 6 Repeat these steps to calibrate the Faucet of your choice.

Adding/Removing sizes

This option sets how many sizes which Faucet can have. It is selectable per Faucet, so you can have different Faucet having different number of size. Size can be from one to four on each Faucet. Here are the steps to change number of size.

- Step 1 Go in manager mode. Press F4 (Next Menu) and Press F2 (Add/Remove size).
- Step 2 Select the Faucet you want to change number of size with the corresponding key
- Step 3 The display should now tell you which faucet you are going to change size and ask you for confirmation. If you are sure, press Enter .If you don't want to change size on this Faucet, press No and you will go back to the menu.
- Step 4 Choose the number of size you want on this faucet by using F1 to F4.
- Step 5 Repeat these steps to change size on the Faucet of your choice.

Automatic Options

Auto-Return

The Auto-Return option, when set to “on” will go back to size one every time the handle is pulled back. Ex: If you are pouring on the size 3 and you pull back the handle, the size will return automatically to one. You can still pour more than one glass on the same size since it will only return to one when the handle is pushed back. Here are the steps to set the Auto-Return option.

- Step 1 Go in manager mode. Press F4 (Next Menu) and Press F3 (Pour Options).
- Step 2 By pressing F1, the option will toggle between “on” and “off”. The Auto-Return option affects all the Faucets.

Memory Cancel

The Memory Cancel option, when set to “on” will let you press the “Cancel” button without losing what’s left of the portion when cancel was pressed. When set to “off”, pressing cancel will not keep in memory what’s left of the portion. Here are the steps to set the Auto-Return option.

- Step 1 Go in manager mode. Press F4 (Next Menu) and Press F3 (Pour Options).
- Step 2 By pressing F2, the option will toggle between “on” and “off”. The Memory cancel option affects all the Faucets.

Control Safety and Care

For Best Performance

The control is high performing electronic device. Care should be taking to where it's placed and where it is connected. Don't use a power source where there is already a motor, compressor or any big appliance in it. Since this kind of appliance creates electrical surge and static, it could reduce the performance of the control.

Equipment Care

Avoid exposing the control to liquid spills. If the control gets wet, turn the power off and remove the liquid. Be sure that the control is dry before turning back power on.

Only authorized personnel should install or service the control and its accessories. Faulty installation or service may be dangerous and may invalidate the warranty.

Part Ordering Information

If you need additional Faucet or related equipment here are the part numbers associated with this control.

Part Number	Description
AMD	Main Control
AMF	Manual Faucet.
ACS	Coil Section
APB	Power box
AEC	Extension Cord for power box
AIS	Interface software

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