

# IDC PRO SSD REPLACEMENT INSTRUCTIONS

## SAFETY OVERVIEW

- Read and follow **ALL SAFETY INSTRUCTIONS** in this manual and any warning/caution labels on the unit (decals, labels or laminated cards).
- Read and understand ALL applicable **OSHA** (Occupational Safety and Health Administration) safety regulations before operating this unit.

## SAFETY ALERT SYMBOL



*This is the safety alert symbol. When you see this in the manual or on the unit, be alert to the potential of personal injury or damage to the unit.*

## TYPES OF ALERTS

 <b>DANGER:</b>	Indicates an immediate hazardous situation which if not avoided <b>WILL</b> result in serious injury, death or equipment damage.
 <b>WARNING:</b>	Indicates a potentially hazardous situation which, if not avoided, <b>COULD</b> result in serious injury, death, or equipment damage.
 <b>CAUTION:</b>	Indicates a potentially hazardous situation which, if not avoided, <b>MAY</b> result in minor or moderate injury or equipment damage.

## SAFETY TIPS

- Carefully read and follow all safety messages in this manual and safety signs on the unit.
- Keep safety signs in good condition and replace missing or damaged items.
- Learn how to operate the unit and how to use the controls.
- Do not let anyone operate the unit without proper training. This appliance is not intended for use by very young children or infirm persons without supervision. Young children should be supervised to ensure that they do not play with the appliance.
- Keep your unit in proper working condition and do not allow unauthorized modifications to the unit.

## SAFETY INSTRUCTIONS

### WARNING:

Before starting installation, read and understand all safety label and warnings on the machine. Also review and understand all safety instructions in the owners, installation and service manuals.

**Failure to comply could result in serious injury, death or damage to the equipment.**

## QUALIFIED SERVICE PERSONNEL

### WARNING:

Only trained and certified electrical, plumbing and refrigeration technicians should service this unit.

**All wiring and plumbing must conform to national and local codes. Failure to comply could result in serious injury, death or equipment damage.**

## SAFETY PRECAUTIONS

### WARNING:

Disconnect power to the unit before servicing. Follow all lock out/tag out procedures established by the user. Verify all power is off to the unit before performing any work. **Failure to comply could result in serious injury, death or damage to the equipment.**

### CAUTION:

Always be sure to keep the area around the unit clean and free of clutter. **Failure to keep this area clean may result in injury or equipment damage.**

### CAUTION:

Note the following: This unit is not designed for use in outdoor locations. The appliance must be placed on horizontal surface. The appliance is not suitable for installation in an area where a water jet would be used.



### IMPORTANT

Before replacing SSD, if unit is operational or you have a second IDC PRO unit with an identical brand lineup be sure to get a back up copy of the unit's configuration onto a USB memory stick (see troubleshooting pages 13-17 "Exporting brand configuration from a pre-existing machine") and or write down the units flavor line up on the provided Flavor Line Up sheet. This will speed up the process when you are reconfiguring the unit after new SSD is put into screen.

### IDC PRO FLAVOR LINE UP

- Up to 10 brands per multi-flavor valve
- Up to 4 flavor shots per multi-flavor valve
- One plain water per valve, with optional flavor shots
- One carbonated water per valve
- One flavor shot pour per valve

Dispenser serial number - \_\_\_\_\_

#### Left Side

- S1 \_\_\_\_\_
- S2 \_\_\_\_\_
- S3 \_\_\_\_\_
- S4 \_\_\_\_\_
- S5 \_\_\_\_\_
- S6 \_\_\_\_\_
- S7 \_\_\_\_\_
- A1 \_\_\_\_\_
- A2 \_\_\_\_\_
- A3 \_\_\_\_\_

#### Right Side

- S8 \_\_\_\_\_
- S9 \_\_\_\_\_
- S10 \_\_\_\_\_
- S11 \_\_\_\_\_
- S12 \_\_\_\_\_
- S13 \_\_\_\_\_
- S14 \_\_\_\_\_
- A4 \_\_\_\_\_
- A5 \_\_\_\_\_
- A6 \_\_\_\_\_

#### Flavor Shots

- |          |          |
|----------|----------|
| F1 _____ | F5 _____ |
| F2 _____ | F6 _____ |
| F3 _____ | F7 _____ |
| F4 _____ | F8 _____ |

- S1-S14 will run through the cold plate and will be used for your carbonated brands.
- A1-A6 is your ambient lines and will be used for your non-carbonated brands. If you have more than 7 carbonated brands you can run carbonated brands through the ambient lines but you want to use a low volume and low foaming brand.

## TOOLS REQUIRED:

1. Large Phillips Screw Driver
2. Fine Tip Phillips Screw Driver

**NOTE:** Wear a properly grounded ESD wrist strap if available & minimize body contact with electronic components.

## SSD REPLACEMENT INSTRUCTION

Table 1:

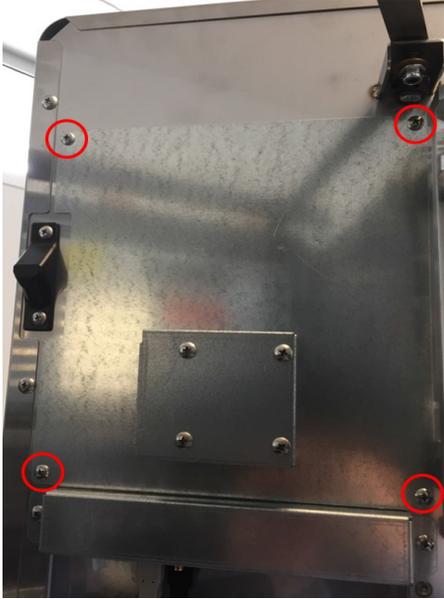
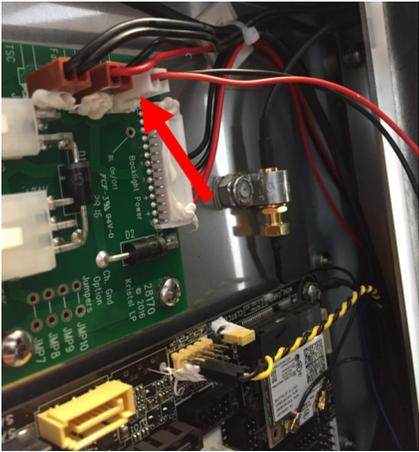
Step	Action	Figure
1	<p>A. Disconnect power to the unit.                      B. Locate the SBC Cover on the back side of the door.                      C. Remove the 4 screws as shown.                      D. Carefully hold the cover until the Fan harness is disconnected.</p>	 <p>Figure 1.</p>
2	<p>Disconnect the Fan harness and remove the Cover.</p>	 <p>Figure 2.</p>

Table 1: (Continued)

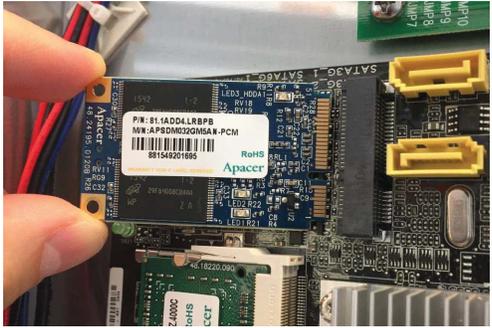
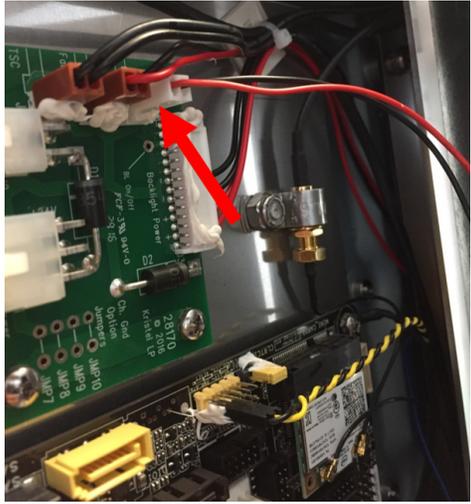
<p>3</p>	<p>Carefully undo the lock screw to unlock the SSD.  <b>NOTE: DO NOT LOOSE THIS PART!</b></p>	 <p><b>Figure 3.</b></p>
<p>4</p>	<p>Carefully replace the SSD with a new part.</p>	 <p><b>Figure 4.</b></p>
<p>5</p>	<p>Carefully secure the lock screw to lock the SSD.  <b>NOTE: DO NOT LOOSE THIS PART!</b></p>	 <p><b>Figure 5.</b></p>

Table 1: (Continued)

<p>6</p>	<p>Connect the Fan harness and replace the Cover. Make sure the silicone (white glue) doesn't get in the way of the pins and connector.</p>	 <p><b>Figure 6.</b></p>
<p>7</p>	<p>A. Close the SBC cover                  B. Secure the 4 screws as shown                  C. Reconnect the Power harness                  D. After Power up, ensure the Fan is working properly.</p>	 <p><b>Figure 7.</b></p>

## TROUBLESHOOTING

### SCREEN RESOLUTION COMES UP INCORRECT

Table 2:

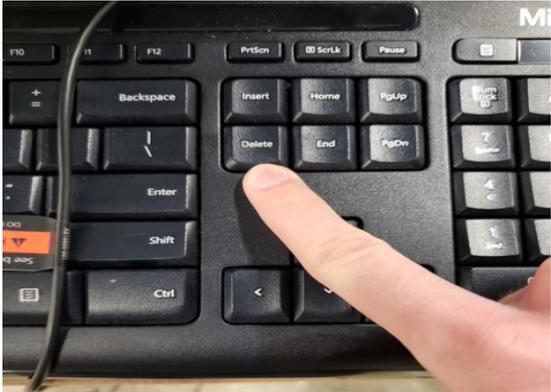
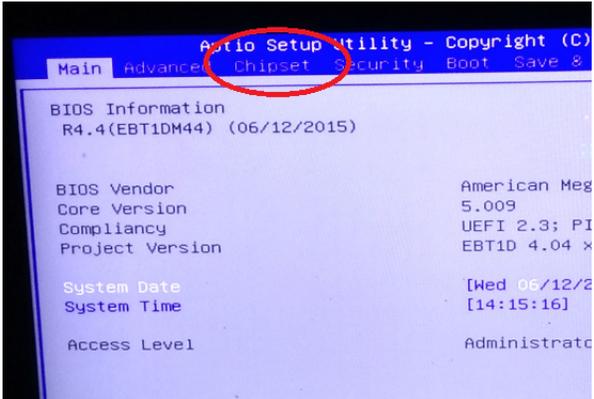
Step	Action	Figure
1	<p>If image on the screen appears to be too far zoomed in or out, the screen resolution will need to be adjusted in the BIOS settings.</p>	 <p>The image shows the AAEON UEFI BIOS splash screen. It features a blue and white background with a stylized cityscape and a road. The text 'AAEON' is prominently displayed in large, bold letters, followed by 'an ASUS ASSOC. CO.' and 'AAEON UEFI BIOS'. The website 'www.aaeon.com' is visible in the bottom right corner.</p> <p style="text-align: center;">Figure 8.</p>
2	<p>Plug in a keyboard into a USB port on the back of the screen. Restart the unit and during the initial startup “AAEON” screen, continually press the DELETE key.</p>	 <p>The image shows a close-up of a black keyboard. A person's finger is pressing the 'Delete' key, which is located between the 'Enter' and 'End' keys. The 'Delete' key is highlighted with a red circle.</p> <p style="text-align: center;">Figure 9.</p>
3	<p>BIOS menu will display as shown in the picture. Using the keyboard arrow keys move over to the “Chipset” tab.</p>	 <p>The image shows the BIOS menu. The 'Chipset' tab is highlighted with a red circle. The menu displays the following information:</p> <pre> AAEON Setup Utility - Copyright (C) Main  Advance  Chipset  Security  Boot  Save &amp; Exit ----- BIOS Information R4.4 (EBT1DM44) (06/12/2015)  BIOS Vendor           American Meg Core Version           5.009 Compliance             UEFI 2.3; PI Project Version        EBT1D 4.04 x  System Date            [Wed 06/12/20 System Time            [14:15:16]  Access Level           Administrato   </pre> <p style="text-align: center;">Figure 10.</p>

Table 2: (Continued)

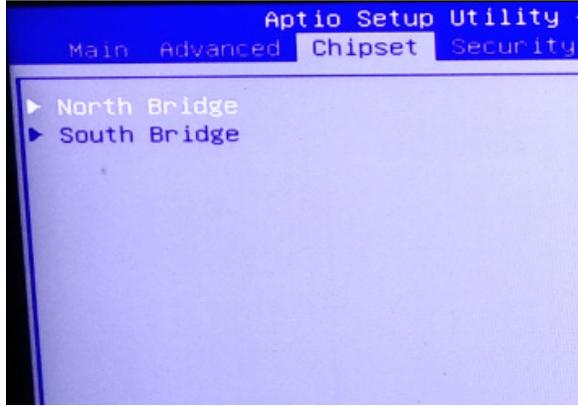
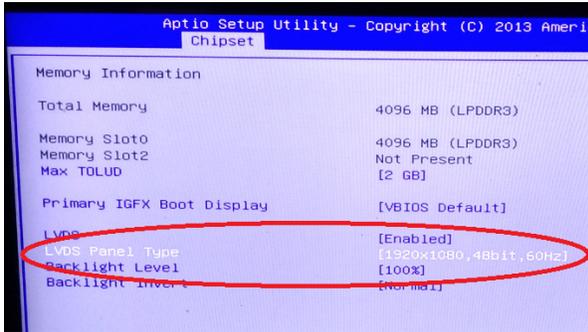
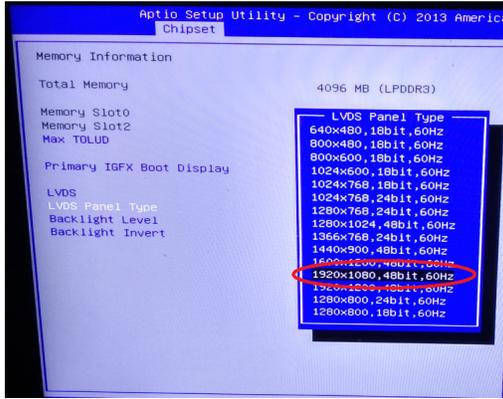
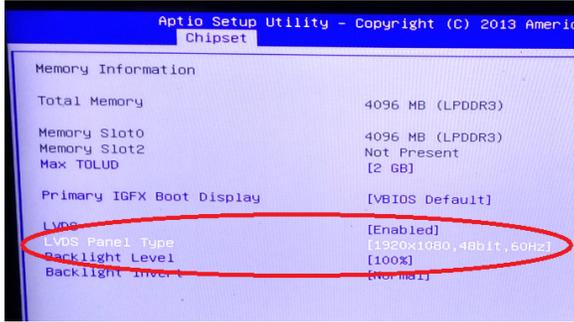
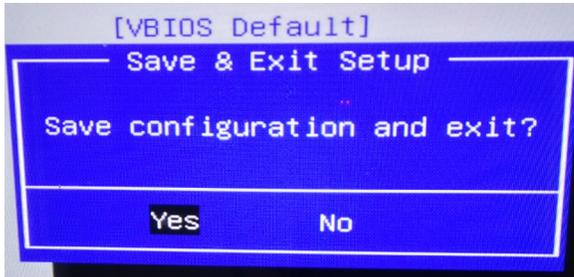
<p>4</p>	<p>“North Bridge” should already be highlighted, press the ENTER key.</p>	 <p><b>Figure 11.</b></p>
<p>5</p>	<p>Use the down arrow key to highlight “LVDS Panel Type” and press ENTER key.</p>	 <p><b>Figure 12.</b></p>
<p>6</p>	<p>From the dropdown list select the “1920 x 1080, 48 bit, 60hz” option and press the ENTER key.</p>	 <p><b>Figure 13.</b></p>

Table 2: (Continued)

<p>7</p>	<p>LVDS Panel type will now read “1920 x 1080, 48 bit, 60hz”.</p>	 <p>Figure 14.</p>
<p>8</p>	<p>Press F4 on the keyboard to Save and Exit.</p>	
<p>9</p>	<p>On the “Save &amp; Exit Setup” screen, highlight “Yes” and Press ENTER key. Unit will restart and the screen resolution should come up normal.</p>	 <p>Figure 15.</p>

# TROUBLESHOOTING

## MAPPING BRANDS

Table 3:

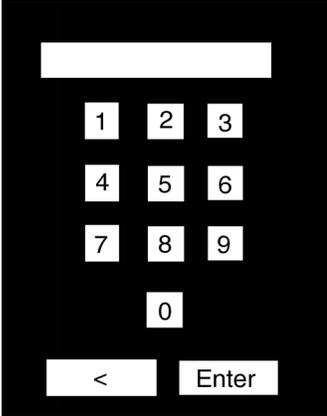
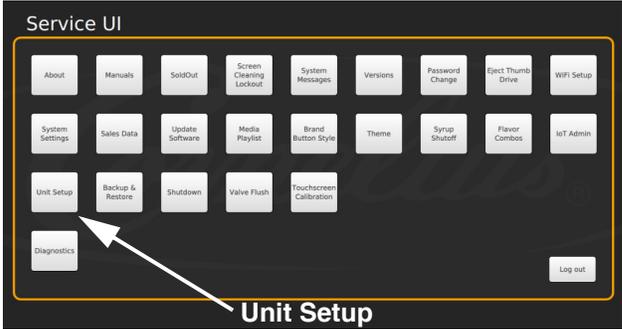
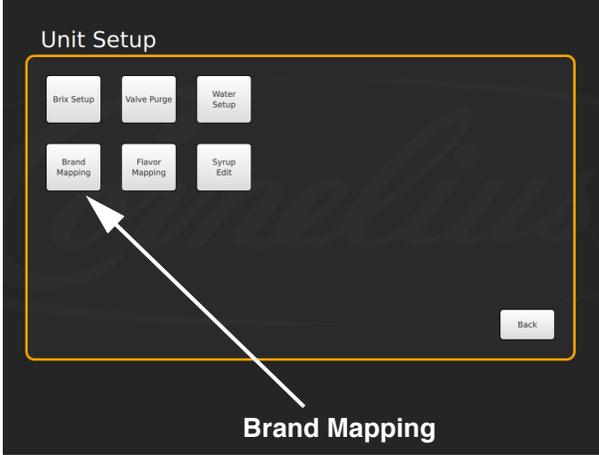
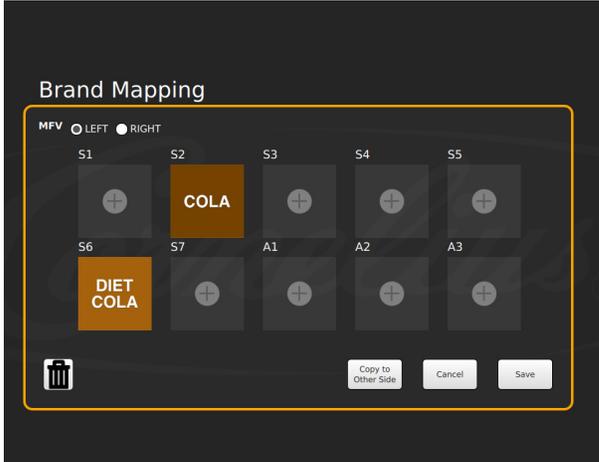
Step	Action	Figure
1	<p>Display the keypad screen by tapping each corner of the video screen starting in the upper right corner and continuing to tap each corner in a counterclockwise direction, in the form of a “C”.</p> <p><b>NOTE: As each corner is touched, a small confirmation rectangle momentarily appears to confirm the touch.</b></p>	 <p>Figure 16.</p>
2	<p>Input the proper password for your access level (technician) and press “Enter”.</p> <p><b>Password is 3333</b></p>	 <p>Figure 17.</p>

Table 3: (Continued)

<p>3</p>	<p>The “Service UI” screen is displayed.</p>	 <p><b>Figure 18.</b></p>
<p>4</p>	<p>Press the “Unit Setup” button to display the Unit Setup screen.</p>	 <p><b>Figure 19.</b></p>
<p>5</p>	<p>Press the “Brand Mapping” button to open the Brand Mapping screen.</p>	 <p><b>Figure 20.</b></p>
<p>6</p>	<p>Press the Brand or Flavor icon that is to be remapped.</p>	

**Table 3: (Continued)**

<p>7</p>	<p>The Brand Selection screen opens and you can select the brand to be mapped to the valve location.</p>	 <p style="text-align: center;"><b>Figure 21.</b></p>
<p>8</p>	<p>Repeat Steps 4 &amp; 5 for each location desired.</p>	
<p>9</p>	<p>When all the flavors on the RIGHT are mapped, press the LEFT button and repeat Steps 4 &amp; 5 for the LEFT side or, if the setup will be identical on the LH &amp; RH side, press the “Copy to Other Side” button and confirm when prompted.</p>	
<p>10</p>	<p>When the all flavors are mapped as desired, press the “Save” button to save the settings.</p>	

## TROUBLESHOOTING

### EXPORTING BRAND CONFIGURATION FROM A PRE-EXISTING MACHINE

If you have an available machine with the same brand configuration, you can copy it over to another machine using a USB Stick. From the unit you need to obtain configuration file from the steps as follows:

Table 4:

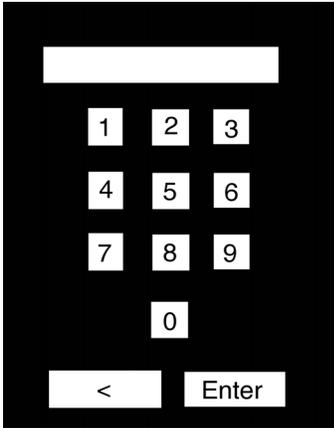
Step	Action	Figure
1	<p>Display the keypad screen by tapping each corner of the video screen starting in the upper right corner and continuing to tap each corner in a counterclockwise direction, in the form of a "C".</p> <p><b>NOTE: As each corner is touched, a small confirmation rectangle momentarily appears to confirm the touch.</b></p>	 <p>Figure 22.</p>
2	<p>Input the proper password for your access level (technician) and press "Enter".</p> <p><b>Password is 3333</b></p>	 <p>Figure 23.</p>

Table 4: (Continued)

<p>3</p>	<p>Unplug one of the items in the USB ports on the backside of the door and insert USB drive into the open USB slot.</p>	 <p><b>Figure 24.</b></p>
<p>4</p>	<p>Choose the “Backup &amp; Restore” option from the “Service UI” menu.</p>	 <p><b>Figure 25.</b></p>
<p>5</p>	<p>From the “Backup &amp; Restore” menu select “Backup” button to begin the process.</p>	 <p><b>Figure 26.</b></p>

Table 4: (Continued)

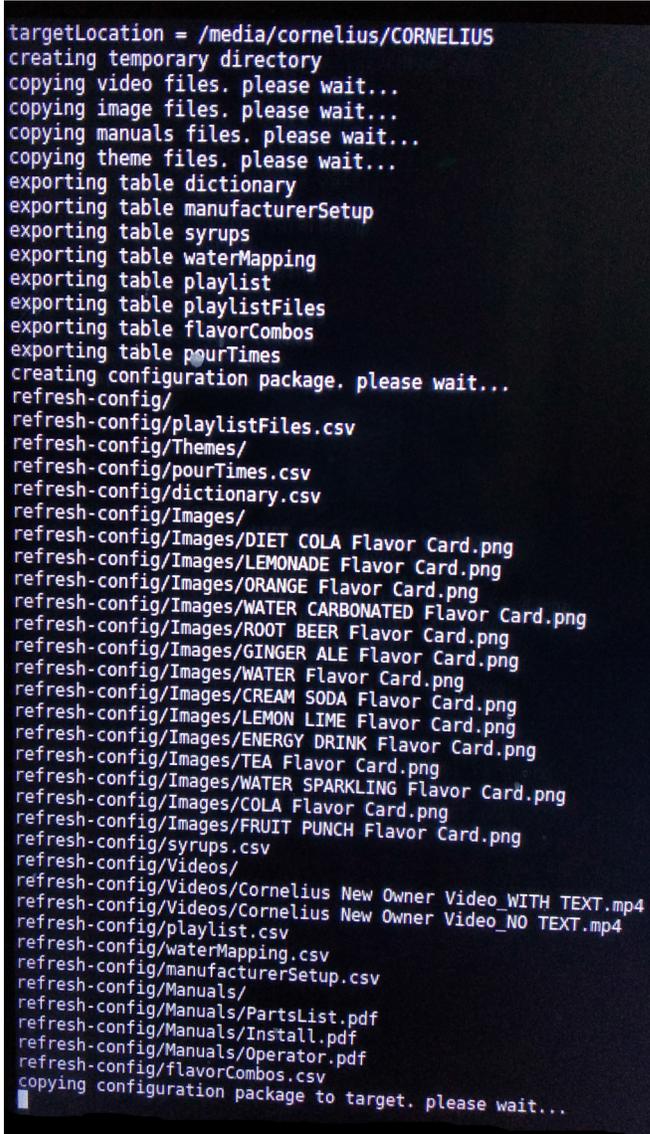
<p>6</p>	<p>Screen will go black and text will start to stream through the screen.</p>	 <pre> targetLocation = /media/cornelius/CORNELIUS creating temporary directory copying video files. please wait... copying image files. please wait... copying manuals files. please wait... copying theme files. please wait... exporting table dictionary exporting table manufacturerSetup exporting table syrups exporting table waterMapping exporting table playlist exporting table playlistFiles exporting table flavorCombos exporting table pourTimes creating configuration package. please wait... refresh-config/ refresh-config/playlistFiles.csv refresh-config/Themes/ refresh-config/pourTimes.csv refresh-config/dictionary.csv refresh-config/Images/ refresh-config/Images/DIET COLA Flavor Card.png refresh-config/Images/LEMONADE Flavor Card.png refresh-config/Images/ORANGE Flavor Card.png refresh-config/Images/WATER CARBONATED Flavor Card.png refresh-config/Images/ROOT BEER Flavor Card.png refresh-config/Images/GINGER ALE Flavor Card.png refresh-config/Images/WATER Flavor Card.png refresh-config/Images/CREAM SODA Flavor Card.png refresh-config/Images/LEMON LIME Flavor Card.png refresh-config/Images/ENERGY DRINK Flavor Card.png refresh-config/Images/TEA Flavor Card.png refresh-config/Images/WATER SPARKLING Flavor Card.png refresh-config/Images/COLA Flavor Card.png refresh-config/Images/FRUIT PUNCH Flavor Card.png refresh-config/syrups.csv refresh-config/Videos/ refresh-config/Videos/Cornelius New Owner Video_WITH TEXT.mp4 refresh-config/Videos/Cornelius New Owner Video_NO TEXT.mp4 refresh-config/playlist.csv refresh-config/waterMapping.csv refresh-config/manufacturerSetup.csv refresh-config/Manuals/ refresh-config/Manuals/PartsList.pdf refresh-config/Manuals/Install.pdf refresh-config/Manuals/Operator.pdf refresh-config/flavorCombos.csv copying configuration package to target. please wait...                     </pre>
<p>7</p>	<p>Once that is finished, screen will go back to normal. Close out of Service menus and remove USB stick from back of door. Reconnect the cable that was disconnected to put in the USB stick.</p>	

Figure 27.

Figure 28.

# TROUBLESHOOTING

## LOADING A CONFIGURATION FILE ON A NEW SSD

Table 5:

<p>1</p>	<p>Display the keypad screen by tapping each corner of the video screen starting in the upper right corner and continuing to tap each corner in a counterclockwise direction, in the form of a “C”.</p> <p><b>NOTE: As each corner is touched, a small confirmation rectangle momentarily appears to confirm the touch.</b></p>	<p style="text-align: center;"><b>Figure 29.</b></p>
<p>2</p>	<p>Input the proper password for your access level (technician) and press “Enter”.</p> <p><b>Password is 3333</b></p>	<p style="text-align: center;"><b>Figure 30.</b></p>
<p>3</p>	<p>Unplug one of the items in the USB ports on the backside of the door and insert USB drive which has the configuration file into the open USB slot.</p>	<p style="text-align: center;"><b>Figure 31.</b></p>

Table 5: (Continued)

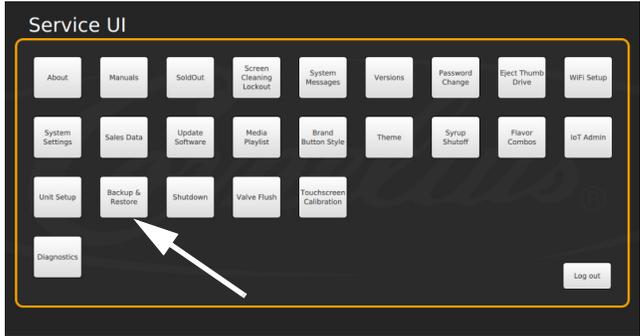
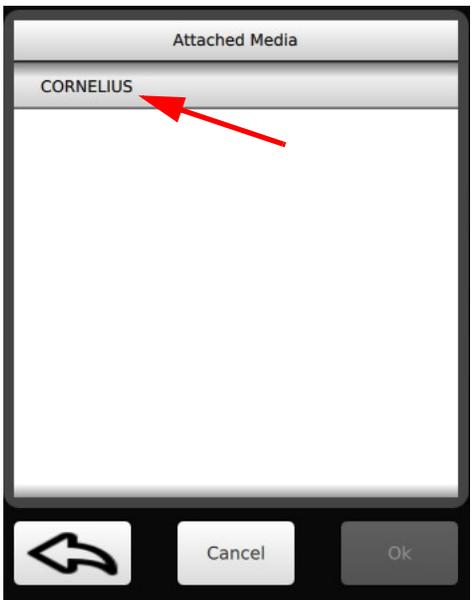
<p>4</p>	<p>Choose the “Backup &amp; Restore” option from the “Service UI” menu.</p>	 <p>The image shows a grid of menu items in a 'Service UI' window. A white arrow points to the 'Backup &amp; Restore' button, which is highlighted with a yellow border. Other visible buttons include About, Manuals, SolidOut, Screen Cleaning Lockout, System Messages, Versions, Password Change, Eject Thumb Drive, WiFi Setup, System Settings, Sales Data, Update Software, Media Playlist, Brand Button Style, Theme, Syrup Shutoff, Flavor Combos, IoT Admin, Unit Setup, Shutdown, Valve Flush, Touchscreen Calibration, Diagnostics, and Log out.</p> <p style="text-align: center;"><b>Figure 32.</b></p>
<p>5</p>	<p>In the “Backup &amp; Restore” menu select the “Load button”.</p>	 <p>The image shows the 'Backup &amp; Restore' menu. A white arrow points to the 'Load' button. Below it are 'Restore Defaults' options: General Settings, Syrups, Playlists, System Messages, Marketing Data, Water Mapping, Flavor Combos, Calories, and Partition Control. There are also 'Backup / Load Configuration Files' buttons for 'Backup' and 'Load', and 'OK' and 'Back' buttons at the bottom.</p> <p style="text-align: center;"><b>Figure 33.</b></p>
<p>6</p>	<p>A window will come up showing “Attached Media”. Select the USB your USB Stick.</p>	 <p>The image shows a window titled 'Attached Media'. A red arrow points to the 'CORNELIUS' entry. At the bottom, there are three buttons: a back arrow, 'Cancel', and 'OK'.</p> <p style="text-align: center;"><b>Figure 34.</b></p>

Table 5: (Continued)

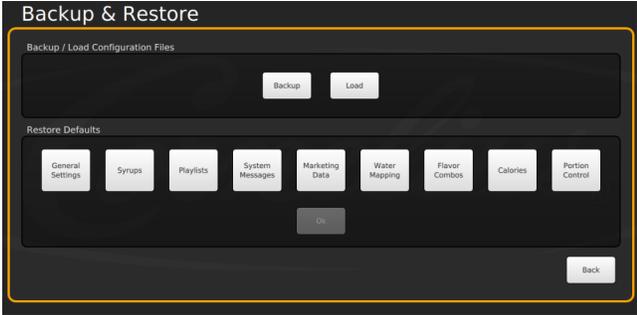
<p>7</p>	<p>Select the “refresh-config.tar.gz” file and press “OK” button.</p>	 <p style="text-align: center;"><b>Figure 35.</b></p>
<p>8</p>	<p>The screen will go black and the configuration file will begin to upload onto the unit.</p>	 <p style="text-align: center;"><b>Figure 36.</b></p>
<p>9</p>	<p>Once the information has transferred you will be back to the “Backup &amp; Restore” menu.</p>	 <p style="text-align: center;"><b>Figure 37.</b></p>

Table 5: (Continued)

<p>10</p>	<p>Remove USB Stick from the screen and exit the service menus.</p>	 <p><b>Figure 38.</b></p>
<p>11</p>	<p>Reconnect the cable that was disconnected to put in the USB stick.</p>	

