[Guide] Alert: USB Connector Retrofit/Upgrade

Overview

This guide will walk you through the steps of what to do when you have a Bluetooth Board to USB Connector Retrofit required. This involves upgrading older Standup Bevi machines to use a USB connection between the touchscreen and control board.
https://bevi.myvtex.com/usb-retrofit-kit--v-75-su-/p

Why do I need to upgrade to a USB connection?

Older Standup V.75 Bevi machines used a Bluetooth connection to pair the touchscreen to the control board. In order to update these older machines with our newest Mixing User Interface, a USB connector upgrade is required. .

Required tools and materials

- USB Retrofit Kit, V.75 SU - 720-0025
  - USB-A to Micro USB Cable
  - Touchscreen Power Cable
  - Zip Ties
  - Flush cut pliers

NOTE: Prior to installing the USB Retrofit Kit, Standup V.75 machines must have already been upgraded to a newer "DBG" tablet. If the Bevi has not yet had an updated tablet installed, please contact Bevi Support.
- If a DBG tablet is already installed, proceed with USB upgrade
- ASUS Touchscreen: upgrade required.
  - Please contact Bevi Support at 866-704-2384
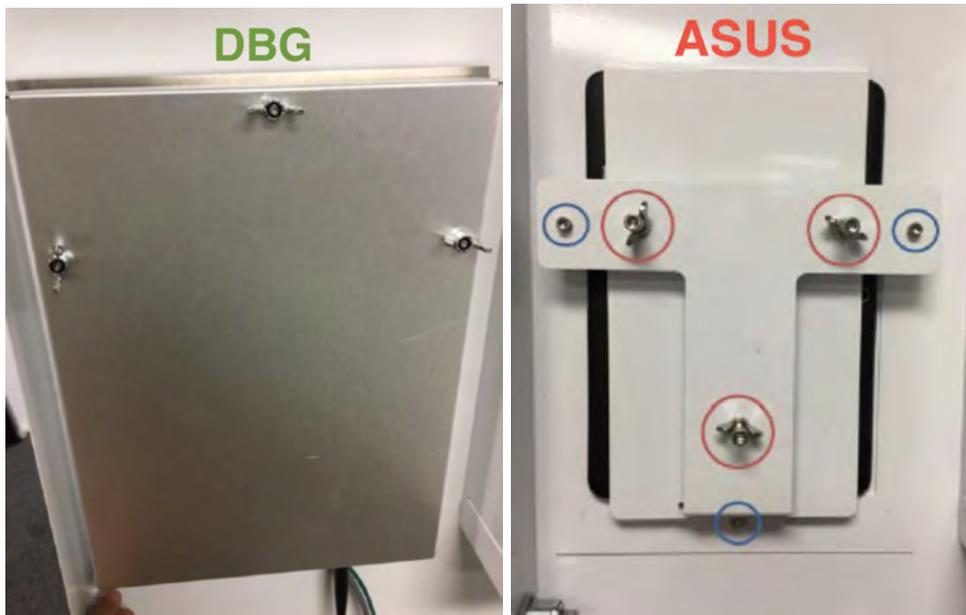
Task 1: Remove the Touchscreen Enclosure
1. With a Bevi key, unlock and open the door.
2. Remove the 3 wing nuts securing the touchscreen enclosure.
   - Place the wing nuts aside to be reinstalled.
3. Remove the enclosure and place to the side.

Task 2: Remove the touchscreen power cable and adapter.

1. Disconnect the power cable from the touchscreen.
   - The power cable is located at the bottom right corner of the touchscreen.

2. Cut any zip ties securing the power cable.
3. Unplug the power adapter from the outlet inside the machine.
   - The power outlet is located inside the machine, in the lower right corner.
4. Remove the power adapter, it will not be reused.
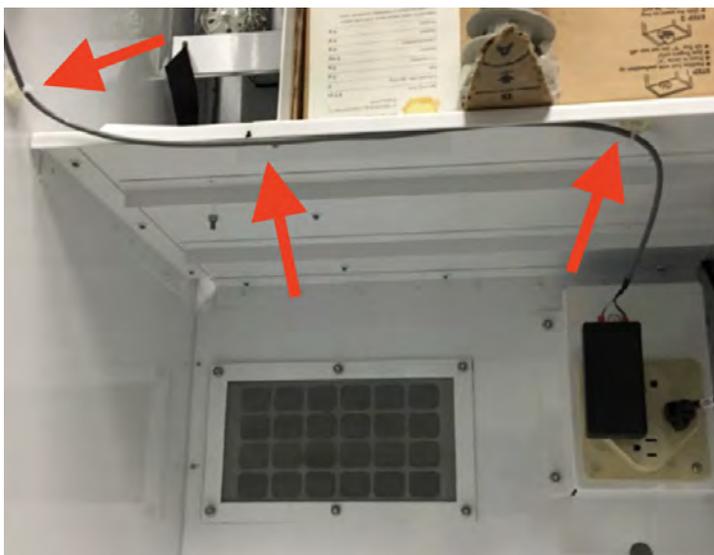
Task 3: Connect the new touchscreen power cable

1. Locate the new touchscreen power cable from the USB Retrofit Kit.
2. Connect the power cable to the touchscreen.

3. Disconnect the LED cable from the control board.
   - The control board is located on the top shelf, above the flavors.

4. Connect the touchscreen power cable to the LED connector on the control board.
   ● The touchscreen power cable includes a jumper to connect the LED.
5. Plug the LED cable into the jumper on the touchscreen power cable.
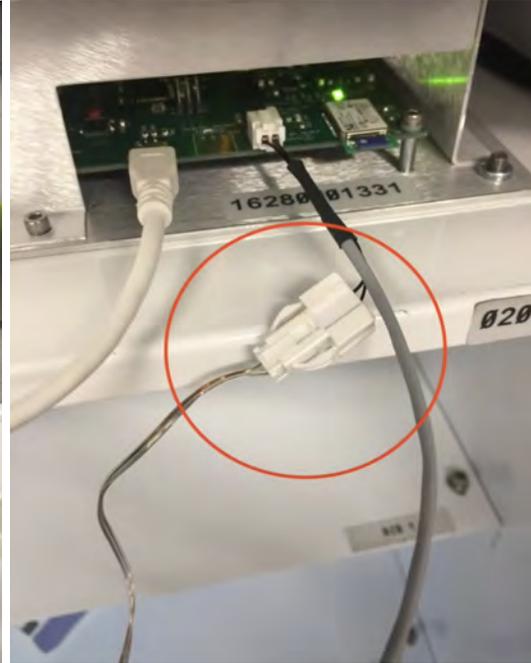
Task 4: Connect the USB Cable

1. Connect the USB-A end of the cable to the touchscreen.
   ● The usb port is located on the bottom of the touchscreen, to the right of the power cable connection.

2. Connect the Micro USB end to the control board.

Task 5: Secure the cables to the door and chassis

1. Using the supplied zip ties, secure the power and USB cables to the door.
2. Route the cables up along the inside of the chassis, and secure with zip ties.
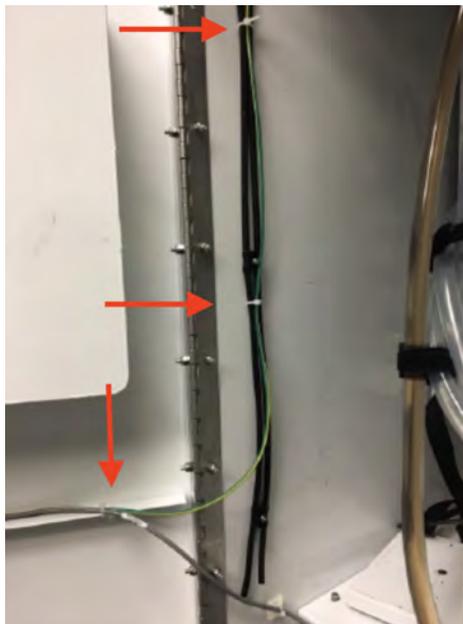
Task 6: Change the Connector Protocol

1. Access the Service Panel
   - At the bottom left on the screen, touch "Ingredients"
   - In the Ingredients screen, touch on any of the flavors, or pure water.
   - Press and hold the "X" in the upper right corner.
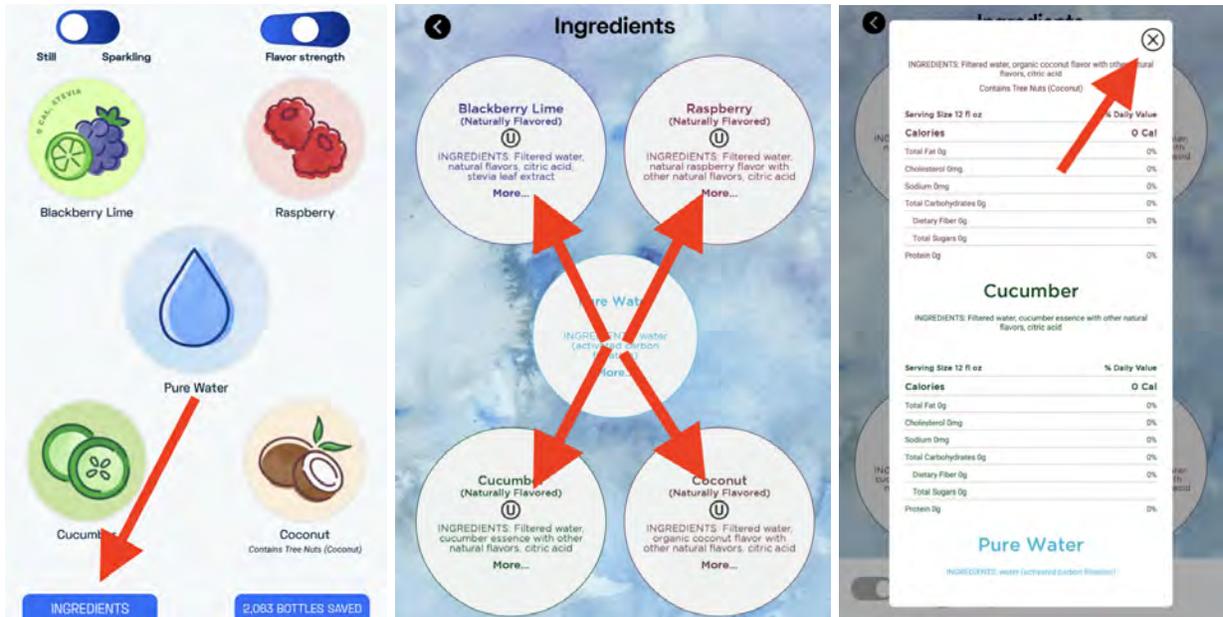
2. At the top right corner of the Service Panel, touch "Advanced".
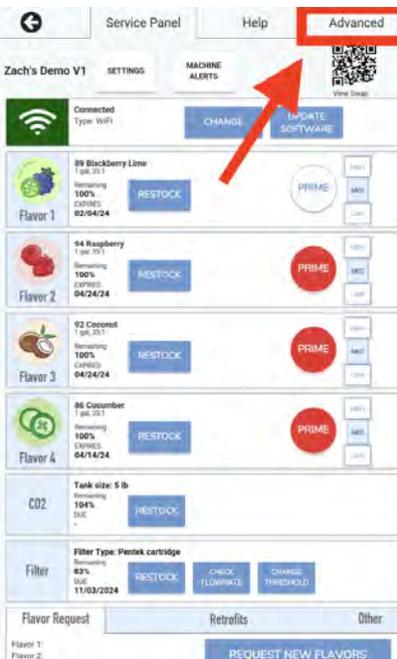
3. At the bottom of the Advanced screen, touch the "Change USB/Bluetooth" button.
   - This changes the connector setting on the touchscreen to use the USB connection instead of Bluetooth pairing.

4. Confirm that "Board Type" is "USB", and "Board Connected" is "True".
   - If Board Type does not change to USB, or Board Connected is False, check the USB cable.
     - Reseat the USB cable at both the touchscreen and control board.
     - Touch "Change USB/Bluetooth" button again.
     - If board type still reads bluetooth, contact Bevi Support at 866-704-2384.

5. Reinstall the Touchscreen Enclosure.
   - Secure the enclosure with the 3 wing nuts.
   - Ensure no cables are pinched between the door and the enclosure.
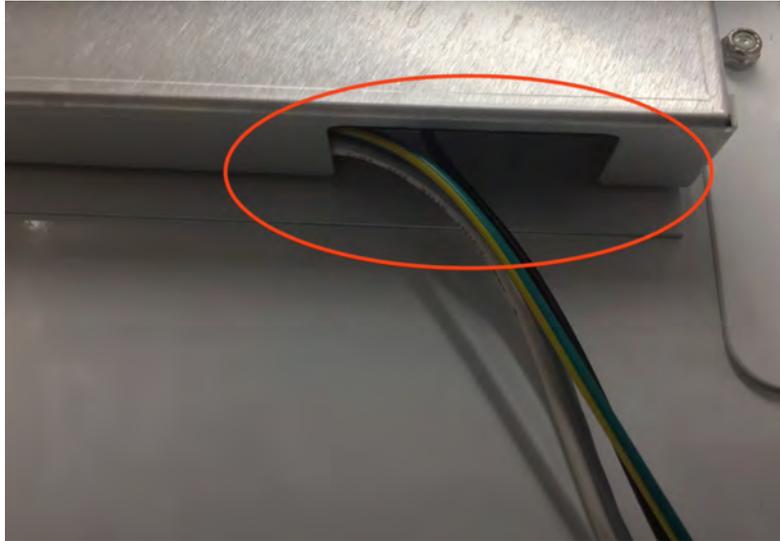
NOTE: At this time, if you exit the Service Panel, the Bevi will likely display a "You Broke Bevi" message. Continue with next steps to resolve this.

Task 7: Upgrade the firmware

1. Once the USB upgrade is complete and the connector type has been changed, the control board firmware will need to be upgraded.
   - This needs to be pushed to the machine from the back end.
   - The Bevi needs to be connected to the internet.
     - If the unit is **not** currently connected, please reconnect by going back into the Machine Service Panel.
     - If you are not familiar with this process please see: Connecting a Bevi to the Internet (all machine types)

2. Contact Bevi Support at 866-704-2384.
   - A Bevi Support Agent will assist with upgrading the control board firmware.
   - Once the firmware has been upgraded, we can then update the Bevi application to our newest software and UI.

If you need any further assistance please contact Bevi Technical Support at support@bevi.co, or call our support line at 866-704-2384