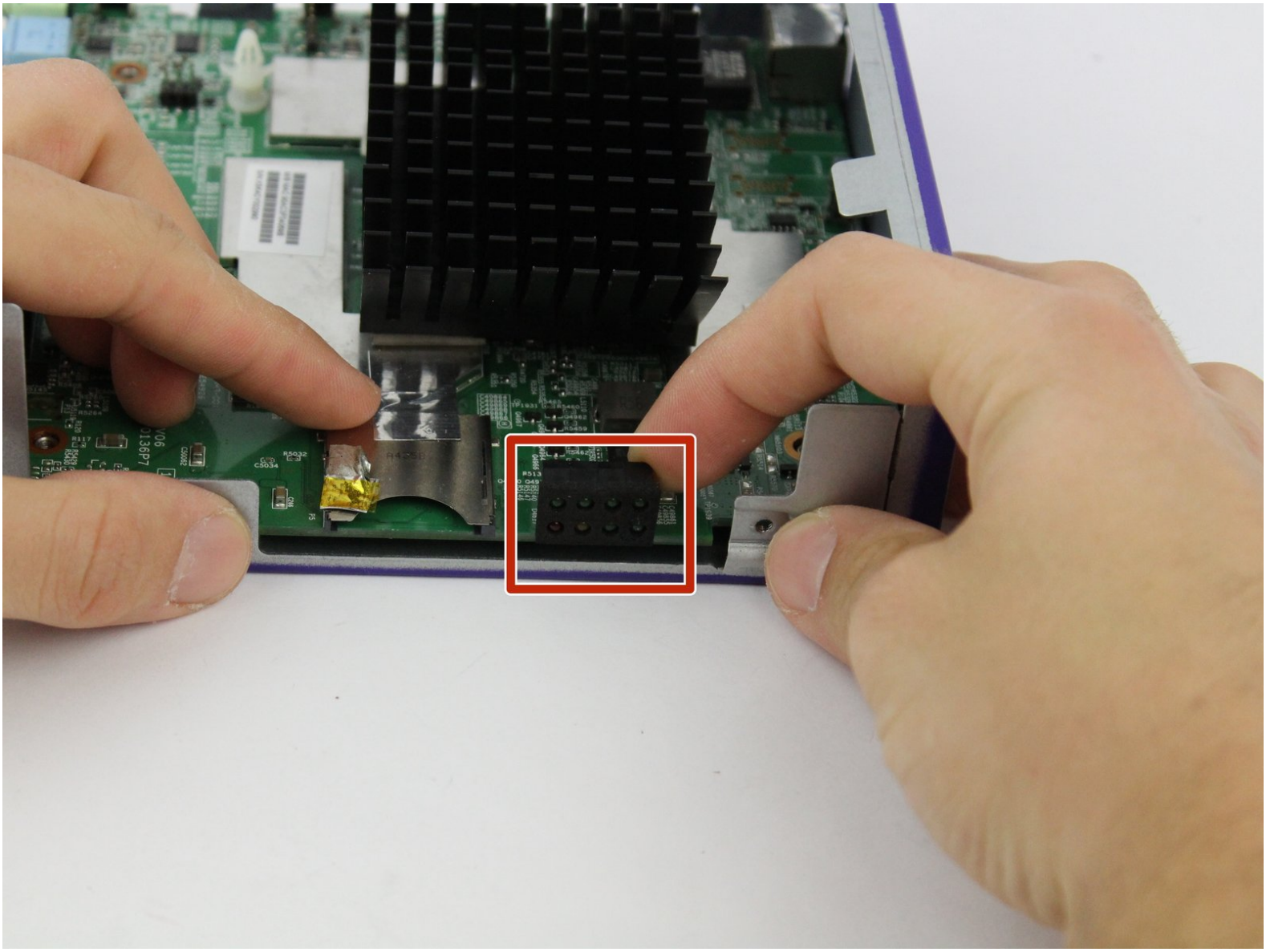
Brightsign 4k LED Display Replacement

BrightSign 4k LED Display not working.

Written By: Nhi Pham



INTRODUCTION

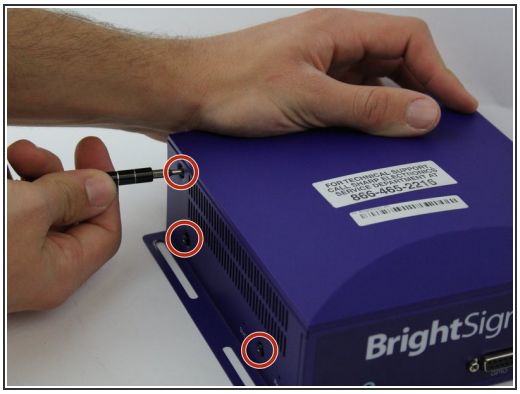
If the device's LED display is not working, follow this guide to replace the LED display on your BrightSign 4k player.

Tech Tip: this Replacement guide will require the use of a soldering iron to remove solders, so check out the soldering guide if you're unfamiliar with the process.

TOOLS:

- JIS #0 Screwdriver (1)
- Desoldering Pump (1)
- Soldering Iron (1)
- 54 Bit Driver Kit (1)

Step 1 — Outer Shell



- Remove three 8mm screws from the left side of the device.
- Remove four 8mm screws from the right side of the device.

Step 2



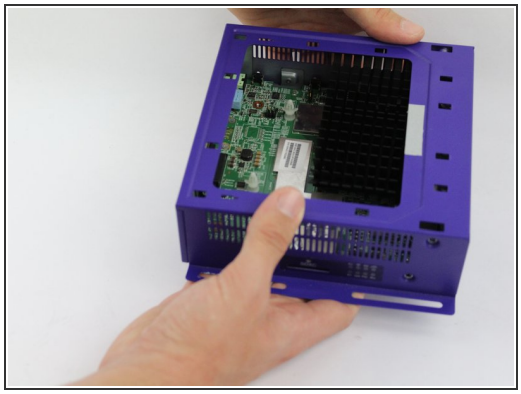
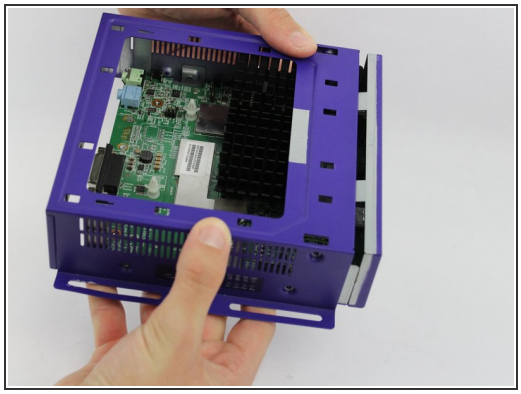
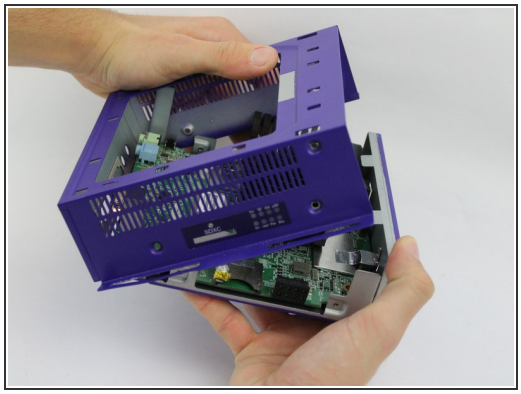
- Apply pressure on the SD card to pop it out of the port.
- Remove the card by pulling it out.

Step 3



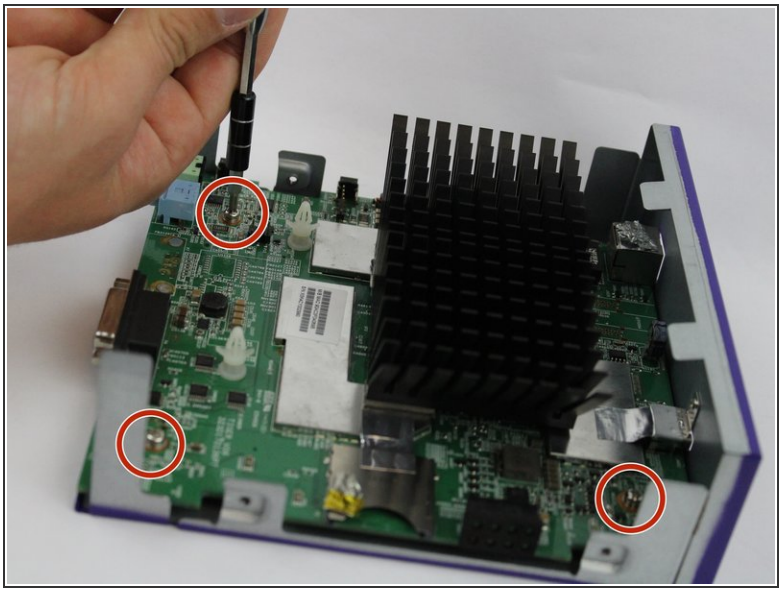
- Press down on the top cover of the device and slid it towards you until you see a slight gap created.
- Lift the top cover off.

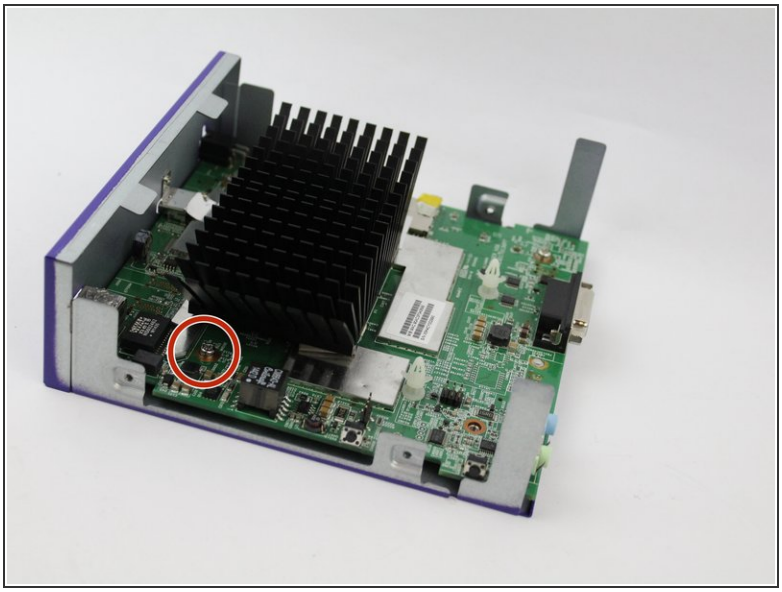
Step 4

- Slide the body case back away from the bottom.
- Pull up the body case to remove it from the bottom.

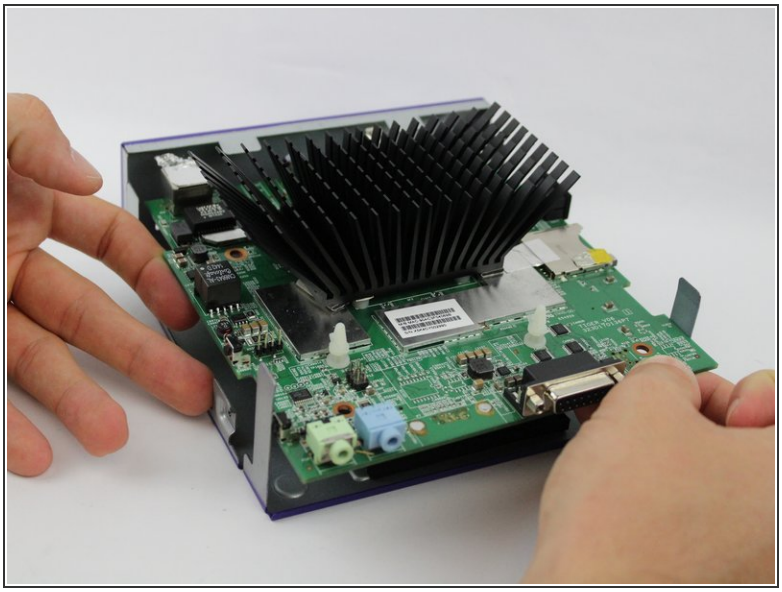
Step 5 — Motherboard Removal

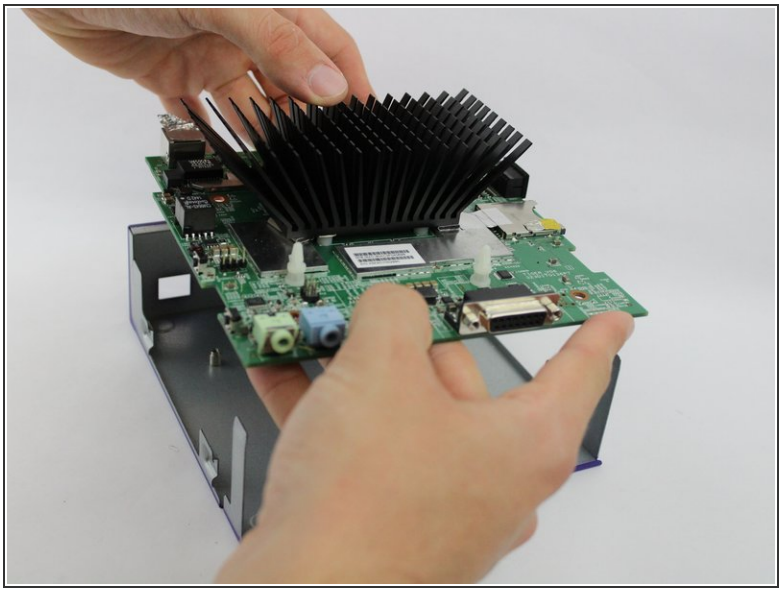




- Remove the four 8mm screws at each corner of the motherboard with a JIS #0 screwdriver.

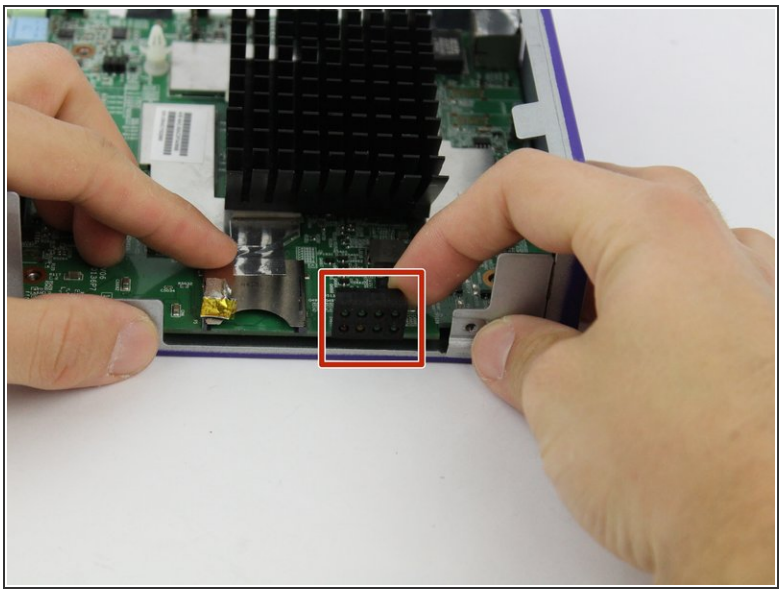
Step 6

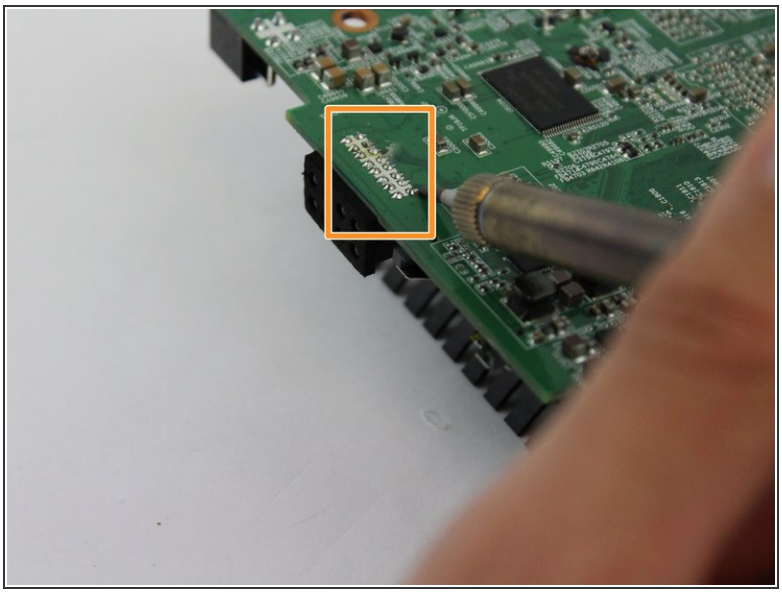




- Lift the motherboard out of the casing.

Step 7 — LED Display

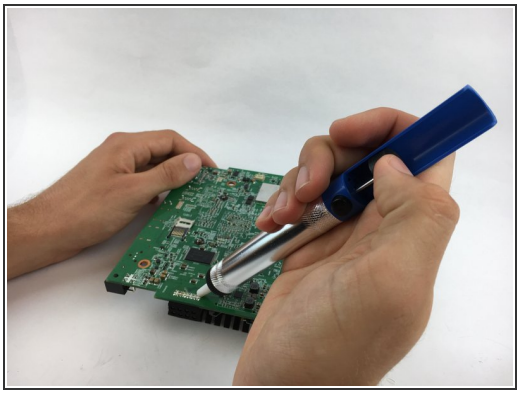


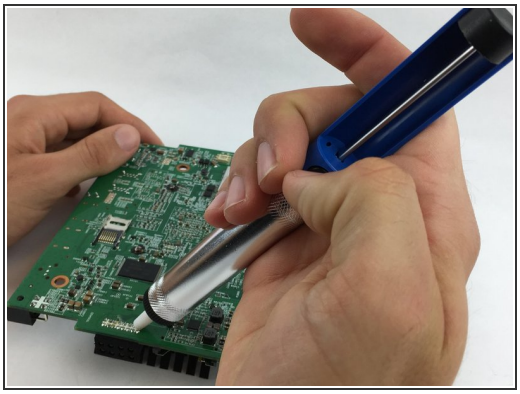


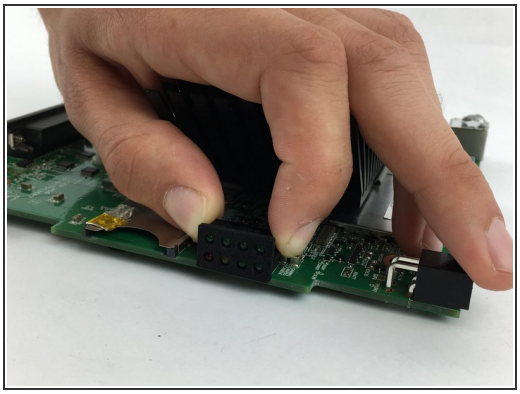
- Turn the motherboard over and locate the solders holding the LED Display in place.
- Use the soldering iron to desolder the sixteen solder joints and remove the melted solder with the pump shown in Step 8.

⚠ The soldering iron can become extremely hot, handle with caution.

Step 8







- Apply the desoldering pump to remove the melted part from the motherboard (press the button to release it).
- After the solders have been removed, gently pull the LED Display from the motherboard.

To reassemble your device, follow these instructions in reverse order.