

# SB Nexgen Upgrade Instructions

There are several steps in the upgrade process. Most are fairly simple but there is a video clip for each step in the process.

## Step 1: Remove the Bezel

There are 4 flathead Phillips screws with nuts on the backside. Typically these can be removed with only a screwdriver while holding the nuts with a finger. There may or may not be a clear mylar sheet under the bezel.

**Click to View Video** <https://www.youtube.com/watch?v=kKGrpxNemhA&feature=youtu.be>

## Step 2: Remove the LCD

After the bezel has been removed, the LCD is held onto the Nexgen by the Flex harness and the Backlight inverter harness. We remove the Backlight connection to the Nexgen PCB and then pull the backlight inverter out from between the LCD mounting plate and the Nexgen PCB. Now only the Flex harness is holding the LCD to the Nexgen. Using a small flat screwdriver, Xacto, or other similar tool, release the latch on the LCD flex connector, releasing the LCD from the Flex.

**Click to View Video** [https://www.youtube.com/watch?v=dt6avY2ec\\_Q&feature=youtu.be](https://www.youtube.com/watch?v=dt6avY2ec_Q&feature=youtu.be)

## Step 3: Attach the new LCD

Attach the new LCD with LED backlight to the flex harness. This is not very easy with the short flex cable on the Nexgen. We sometimes replace the flex with a slightly longer, and thinner, flex harness. It is not necessary but does make install easier. This video shows how to use the original IGT flex.

To remove the IGT flex from the Nexgen PCB, we release the locking mechanism on the Nexgen Flex connector. To unlock we slide the locks out away from the connector. Please note here that the contacts on the flex at the Nexgen connector face up away from the PCB.

Next we attach the IGT flex to the LCD. The contacts on the flex at the LCD connector face down toward the LCD. The locking mechanism on the LCD connector closes downward onto the flex.

At this point we slide the flex harness down through the opening on the mounting plate by sliding the LCD with the flex in the direction of the connector on the Nexgen PCB. Using tweezers, or any like tool, guide the flex into the Nexgen connector. Once the flex is fully seated. Push the locking mechanism on the Nexgen flex connector back into the locked position. At this point we put the bezel back onto the LCD to protect it while we place the backlight converter into the clip that held the Backlight inverter and plug the power harness into the Nexgen 2 pin connector. This step is complete.

**Click to View Video** <https://www.youtube.com/watch?v=8Ms4Bg3nY54&feature=youtu.be>

## Step 4: Attach the Bezel

Align the bezel with the holes in the mounting plate and push the 4 Phillips flat head screws into the holes. Hold a nut on one of the screws and tighten slightly. Go to the other end and add another nut and tighten slightly. Add the remaining nuts and tighten all four screws.

**Click to View Video** <https://www.youtube.com/watch?v=oX4IbagpQRs&feature=youtu.be>

## Step 5: Test the new LCD

Apply power to the Nexgen, and wait for it to boot. Use the attendant card to calibrate and save the calibration data. Please see our calibration video if necessary.

**Click to View Video** <https://www.youtube.com/watch?v=mbTtl1QsNHo&feature=youtu.be>