Nintendo DSi Top LCD Screen Replacement

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**INTRODUCTION**

This guide has been updated by iFixit staff! Read the new, official guide [here](#).

A guide on how to replace the Nintendo DSi top LCD screen.

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Step 1 — Battery

- Loosen the two screws on the battery panel. Then lift the panel up to remove it.

Step 2

- L Button.
- Top of the battery pack.
- To remove the battery pack, place your fingernail or a spudger at the top of the battery near the L button. Gently lift the battery out.
**Step 3 — Motherboard**

- Remove 4 Phillips screws from the board.
- Lift the main board from the bottom end and flip it over to reveal the last connector.

⚠️ Keep the main board fairly close to the case, making sure not to damage the last ribbon cable holding it in place.

**Step 4**

- Disconnect the ribbon cable by gently using a plastic opening tool to flip up the black connector latch. The cable should easily slide out from the connector.
- The motherboard should now be free from the rest of the device.
Step 5 — Disassembling Nintendo DSi Bottom case

Remove the rubber front-panel button membranes from the device. Pay careful attention to where the buttons go, so you can replace them correctly.

- A/B/X/Y button assembly
- Select/Start button assembly
- D-pad
- Power button

Step 6

- Remove the plastic buttons and keep them in a safe place.

All of the buttons have "key" notches to prevent them from being inserted incorrectly (backwards or in the wrong place), but it can take a while to figure out where everything goes if they get shuffled around.
Step 7

- Flip the case open, and push the lower screen assembly out of the frame.

Step 8 — Top LCD Screen

- To make the repair easier, we recommend removing the bottom LCD screen prior to replacing the top LCD screen.
  - Using a spudger, or similar tool, pry out the 4 square screw covers.
Step 9

- Remove 4 Phillips screws with a #00 Phillips screwdriver.
Step 10

- Place a plastic opening tool between the front panel and top edge of the outer case. Slide the tool along the edge as needed to prop open the case.

- With the screen facing you, slide the screen side down with your thumbs to separate the screen from the cover.

Step 11

- Remove the antenna from the bottom left of the device.

- Remove the microphone from the top of the frame.
Step 12

- Use a spudger to pry the camera out of its place.

Step 13

- Cables for the components in the upper half of the device run through the hinge, which must be carefully disassembled before continuing.

- Start by pushing the sliding shaft in the hinge on the opposite side of the wires/ribbons.
Step 14

- On the reverse side of the casing, insert the spudger onto the surface of the sliding shaft just left of the LED light channels.
- Push the sliding shaft completely through the hinge until it stops and the hinge is released.

Step 15

- The right side of bottom case should separate from the top case when you remove the sliding shaft.

⚠️ Do not pull up too far or the wire hinge may be damaged.

- Slide the top case to the right to separate the joint.
- Weave the wires and ribbons through the wire hinge to completely separate the top and bottom casings.
Step 16

The speakers are soldered to the ribbon cable attached to the upper LCD, so they must be removed at the same time as the LCD.

- Lift the top LCD out of the plastic frame. Carefully thread the ribbon cable out of the hinge to avoid damaging it.

Step 17

- To remove the speakers, place a flat object underneath and gently pry them off.
To reassemble your device, follow these instructions in reverse order.