



# iPad Mini CDMA Front Panel Replacement

Prereq used with iOpener.

Written By: Andrew Optimus Goldheart



# INTRODUCTION

Prereq used with iOpener.

## TOOLS:

- iOpener (1)

## PARTS:

- iPad mini & mini 2 Adhesive Strips (1)

## Step 1 — Front Panel



- If your display glass is cracked, keep further breakage contained and prevent bodily harm during your repair by taping the glass.
- Lay overlapping strips of clear packing tape over the iPad's display until the whole face is covered.
  - ⓘ This will keep glass shards contained and provide structural integrity when prying and lifting the display.
- Do your best to follow the rest of the guide as described. However, once the glass is broken, it will likely continue to crack as you work, and you may need to use a metal prying tool to scoop the glass out.

! Wear safety glasses to protect your eyes, and be careful not to damage the LCD screen.

## Step 2



- Handling it by the tab, place the heated iOpener on the side of the iPad to the left of the home button assembly.
- Let the iOpener sit for about five minutes to soften the adhesive beneath the glass.

## Step 3



- Carefully place a suction cup halfway up the heated side.
- Be sure the cup is completely flat on the screen to get a tight seal.
- While holding the iPad down with one hand, pull up on the suction cup to slightly separate the front panel glass from the rear case.

**⚠** Be careful to only lift the glass enough to insert an opening pick—any more and you may risk cracking the glass.

## Step 4



- While holding the glass up with the suction cup, slide the point of an opening pick into the gap between the glass and body of the iPad.  
**⚠** Don't insert the opening pick any deeper than the black bezel on the side of the display. Inserting the pick too far may damage the LCD.
- Pull the suction cup's plastic nub to release the vacuum seal and remove the suction cup from the display assembly.

## Step 5



- Reheat and reapply the iOpener.  
**⚠** Be careful not to overheat the iOpener during the repair procedure. Always wait at least ten minutes before reheating the iOpener.
- Let it rest for a few minutes to reheat the left edge of the iPad.

## Step 6



- Place a second opening pick alongside the first and slide the pick down along the edge of the iPad, releasing the adhesive as you go.

**⚠** Throughout the rest of the procedure, if you encounter significant resistance to sliding picks beneath the glass, stop and reheat the section you're working on. Forcing the picks risks cracking the glass.

## Step 7



- Continue moving the opening pick down the side of the display to release the adhesive.
- If the opening pick gets stuck in the adhesive, "roll" the pick along the side of the iPad, continuing to release the adhesive.

## Step 8



- Take the first pick you inserted and slide it up toward the top corner of the iPad.
- If you can see the tip of the opening pick through the front glass, don't panic—just pull the pick out a little bit. Most likely, everything will be fine, but try to avoid this as it may deposit adhesive on the front of the LCD that is difficult to clean off.

## Step 9



- Reheat the iOpener and place it on the top edge of the iPad, over the front-facing camera.
  - ⚠ Be careful not to overheat the iOpener during the repair procedure. Wait at least ten minutes before reheating the iOpener.
- If you have a flexible iOpener, you can bend it to heat both the upper left corner and the upper edge at the same time.

## Step 10



- Slide the opening pick around the top left corner of the iPad to separate the adhesive.

## Step 11

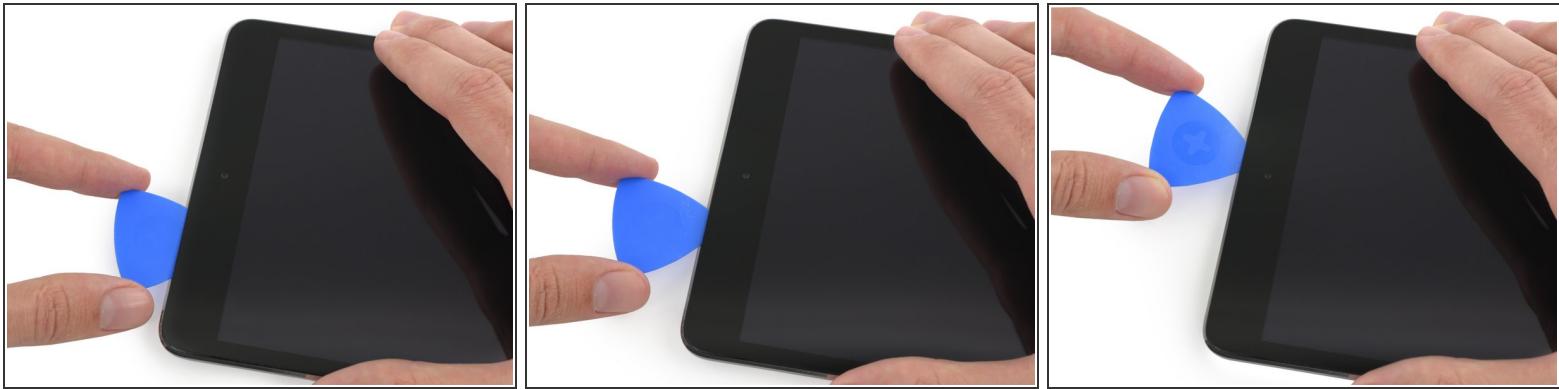


- Slide the opening pick along the top edge of the iPad, stopping just before you reach the camera.

*(i)* The third image shows where the front-facing camera and housing are in the iPad.

 Avoid sliding the opening pick over the front-facing camera, as you may smear adhesive onto the lens or damage the camera. The following steps will detail how to best avoid disturbing the front-facing camera.

## Step 12



- Pull the pick out slightly, and slide the very tip gently along the top of the front-facing camera section of the top edge.

## Step 13



- Leave the opening pick in the iPad slightly past the front-facing camera.
- Take a second pick and insert it to the left of the camera, where the first pick just was. Slide it back to the corner to completely cut any remaining adhesive.
- Leave the second pick in place to prevent the corner adhesive from re-sealing as it cools.

## Step 14



- Insert the previous pick deeper into the iPad and slide it away from the camera toward the corner.

## Step 15



- Leave the three picks in the corners of the iPad to prevent re-adhering of the front panel adhesive.
- Reheat the iOpener and place it on the remaining long side of the iPad —along the volume and lock buttons.

## Step 16



- Slide the top right opening pick around the corner to fully release the top edge of the glass.
- Leave this pick in place to keep the adhesive from re-sealing itself, and grab a new pick for the next step.

## Step 17



- Insert a new opening pick and slide it to the middle of the right edge of the iPad, releasing the adhesive as you go.

## Step 18



- Continue to slide the pick down the right edge of the iPad, releasing the adhesive.

## Step 19



- Leave the opening picks in place and reheat the iOpener.  
 Remember not to overheat the iOpener—no more than once every ten minutes.
- Set the reheated iOpener on the home button end of the iPad and let it rest for a few minutes to soften the adhesive beneath the glass.

## Step 20



- Slide the lower left pick to the lower left corner to cut the adhesive on that corner.
- Leave the pick at the corner. Do not pry any farther, and do not remove the pick from the iPad.
- *(i)* There are quite a few things to avoid beneath the lower bezel, so study the third image closely:
  - Antennas
  - Home button cavity
  - Digitizer cable
- The following steps will direct you where to pry to avoid damage to these components. Only apply heat and pry where directed.

## Step 21



- ⓘ Leave the pick from the last step in place to prevent the adhesive from re-sealing.
- With a new pick, slice gently over the left-hand antenna, stopping before the home button.
- ⚠ Only slide the pick from the outer edge toward the center of the iPad. Do not move the pick back toward the outer edge, as moving in this direction may damage the antenna.
- ⓘ If you need to slide the pick over the lower section more than once, remove it and re-insert at the outer edge, and slide inwards.
- Leave the pick in place before moving on.

## Step 22



- Insert the tip of one last pick next to the previous step's pick, and slide it beneath the home button.

 Stop about an inch from the right-hand side to avoid cutting the digitizer cable.

- Insert the pick slightly deeper and work it back toward the home button.

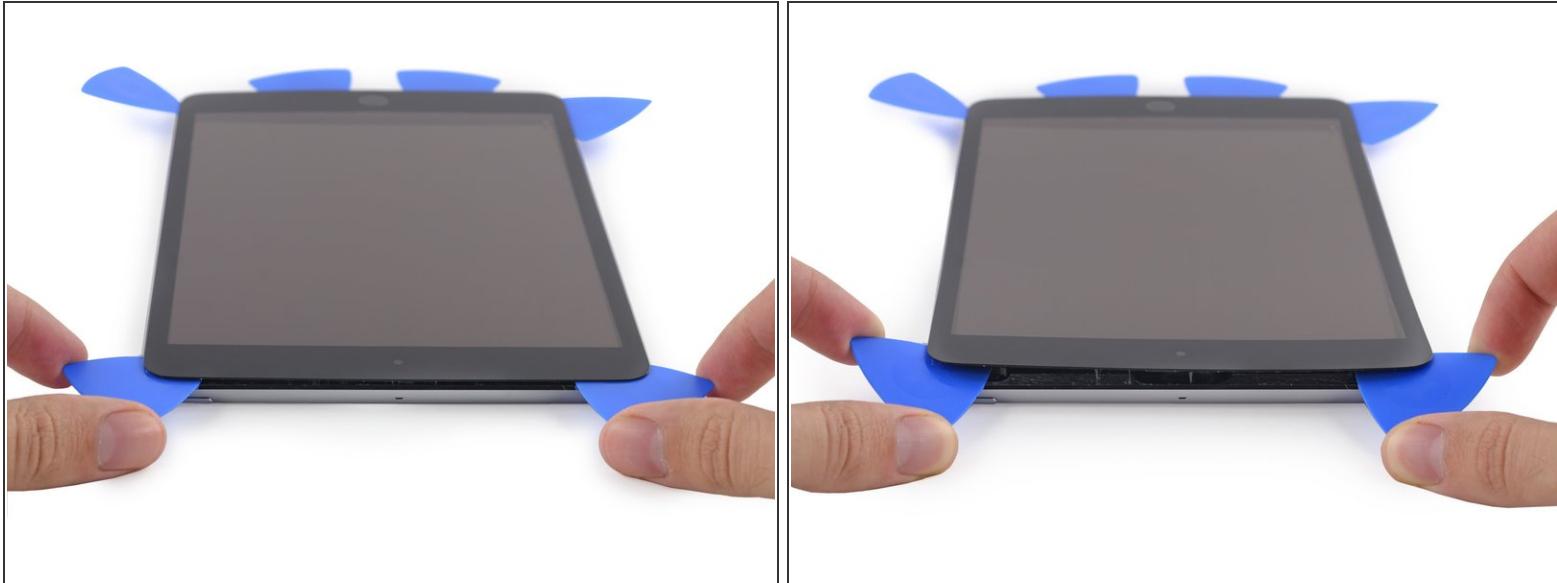
 Again, be sure to only slide the pick toward the center of the iPad when it is fully inserted; otherwise you may damage the antenna beneath the glass.

## Step 23



 Reheat and reapply the iOpener to the top bezel of the iPad.

## Step 24

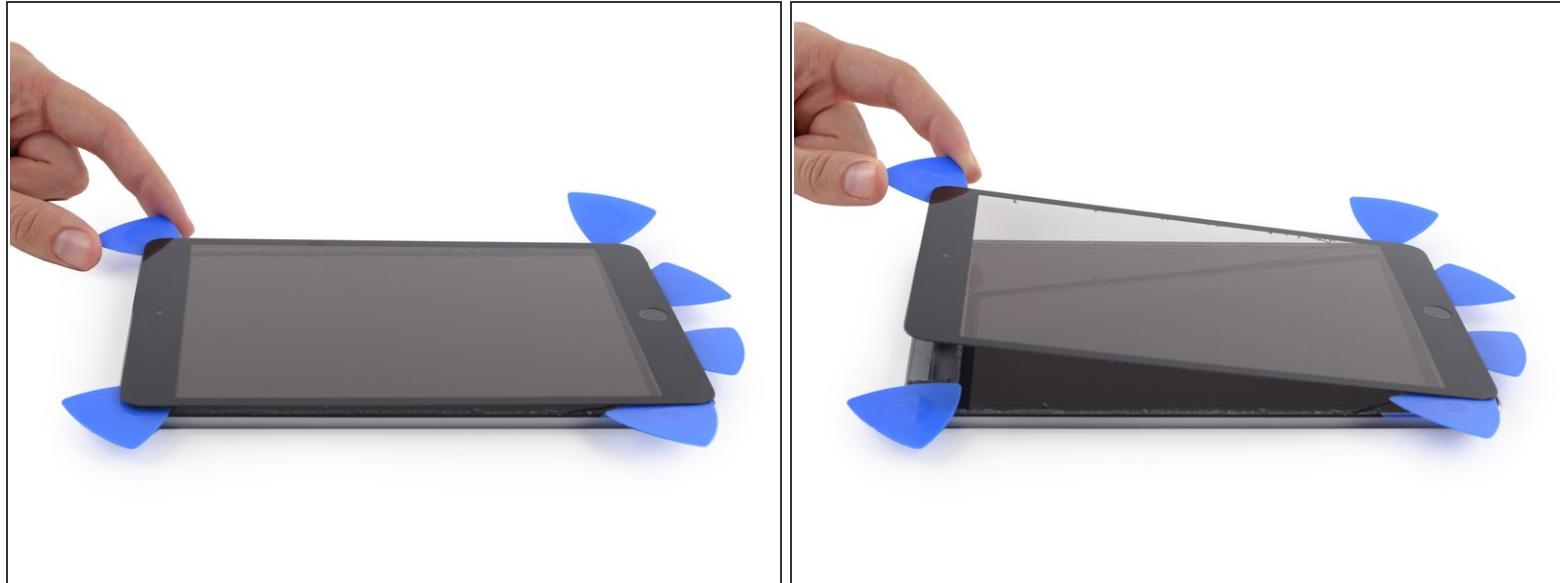


**⚠** Be very careful with this step. Take your time and ensure the adhesive is hot and soft, and that you've been through all of the adhesive with an opening pick. Don't be afraid to stop and reheat.

- At the top of the iPad opposite the home button, you should have a pick lodged into each corner. Twist the picks to lift the glass slightly, separating the last of the adhesive along all four edges.

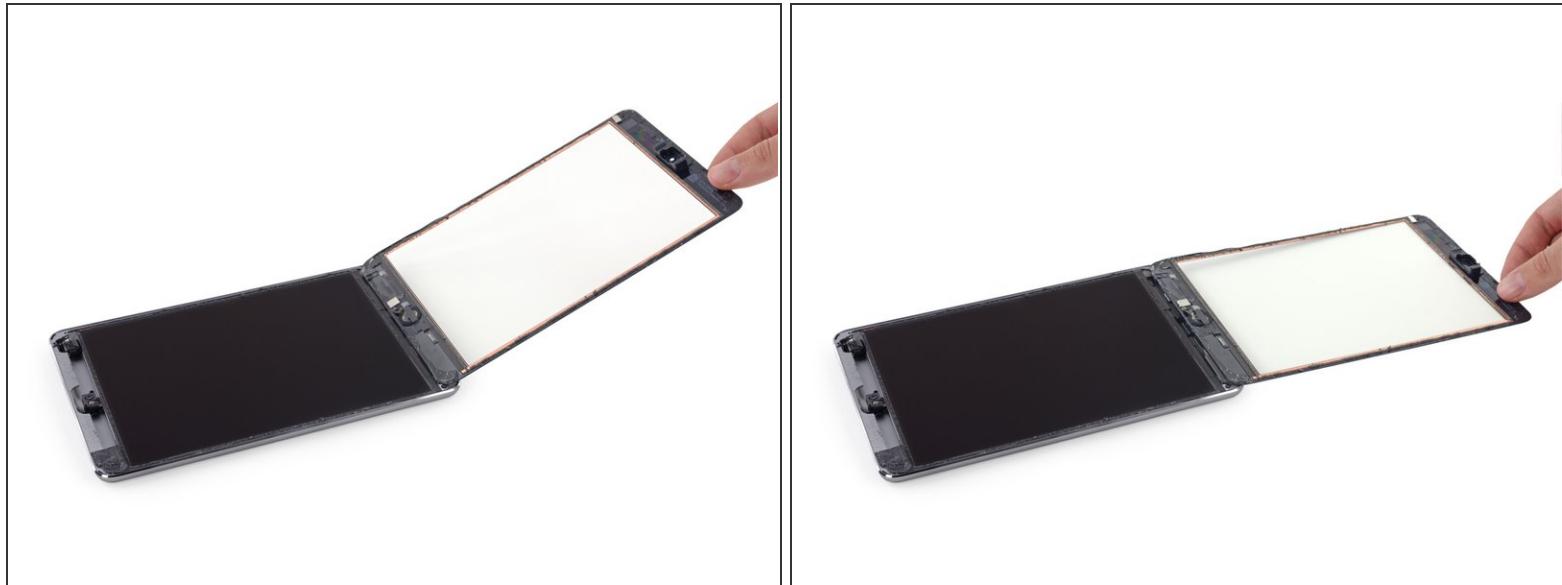
**⚠** If you encounter a significant amount of resistance, stop twisting. Leave the picks in place, reheat, and reapply the iOpener to the problem areas, and run a pick through the sticking point one more time.

## Step 25



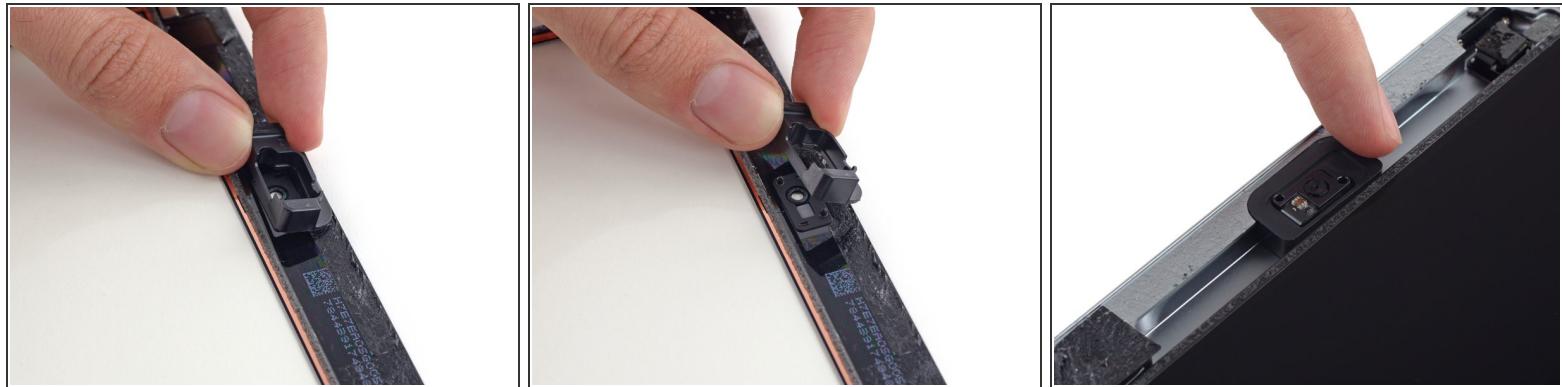
- Lift slowly and gently to further detach the adhesive along the lower edge.

## Step 26



- Once all of the adhesive has been separated, open the front glass like a page in a book and rest it on your workspace.
-  If reusing the front panel assembly during reassembly, you will need to replace the display adhesive. Use our [display adhesive application guide](#) to reapply your display adhesive and reseal your device.

## Step 27



- The front-facing camera housing may stick to the front panel; peel up the housing and place it back over the camera to protect it.
- Rock the camera housing up on one edge to free it from the adhesive and remove it from the front panel.
- Return the front-facing camera housing to its recess in the rear case.

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