



Sandisk Sansa m230 Series mp3 player

Microphone Replacement

Can you no longer make voice recordings? Does your device only record silence or a dull humming noise? Likely your microphone is broken or has malfunctioned. To replace, follow the steps in this guide.

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INTRODUCTION

To replace a faulty microphone follow the steps in this guide. This may be your only option if you find yourself unable to make voice recordings anymore with your device.

TOOLS:

- [Phillips #0 Screwdriver](#) (1)
- [Soldering Workstation](#) (1)
- [iFixit Opening Tools](#) (1)

Step 1 — Sandisk Sansa m230 Series mp3 player Teardown



- Remove the battery compartment cover.
- Remove the battery.

Step 2



- Locate and remove the screw next to the battery compartment lid.

Step 3



- Locate the interlocking pegs along the seam of the device's casings.
- Gently pry the pegs apart one at a time, working your way around the case.

 Be careful when prying apart the pegs: they are made of plastic and may break.

Step 4



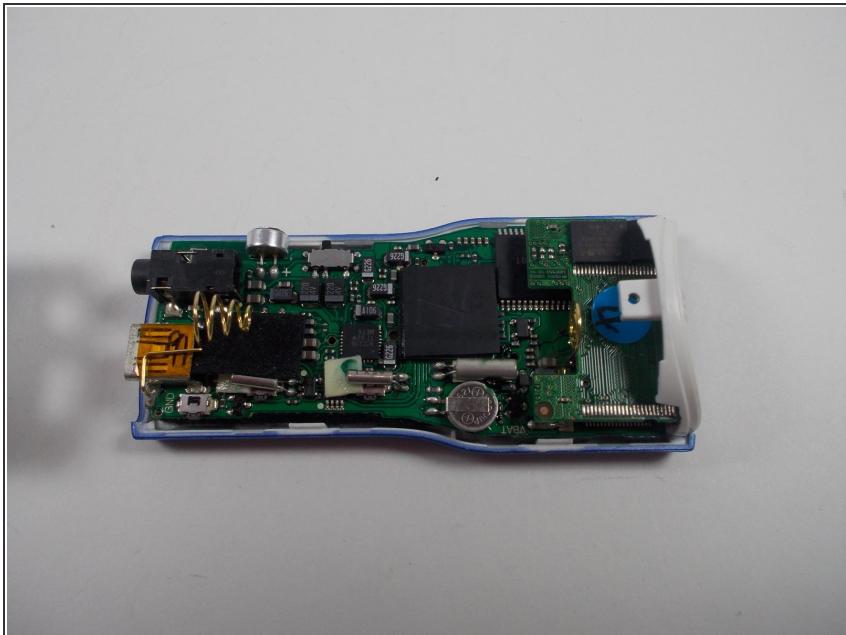
- The battery contact springs may prevent the case from separating.
- Push the battery contact springs down through the hole in the case.

Step 5



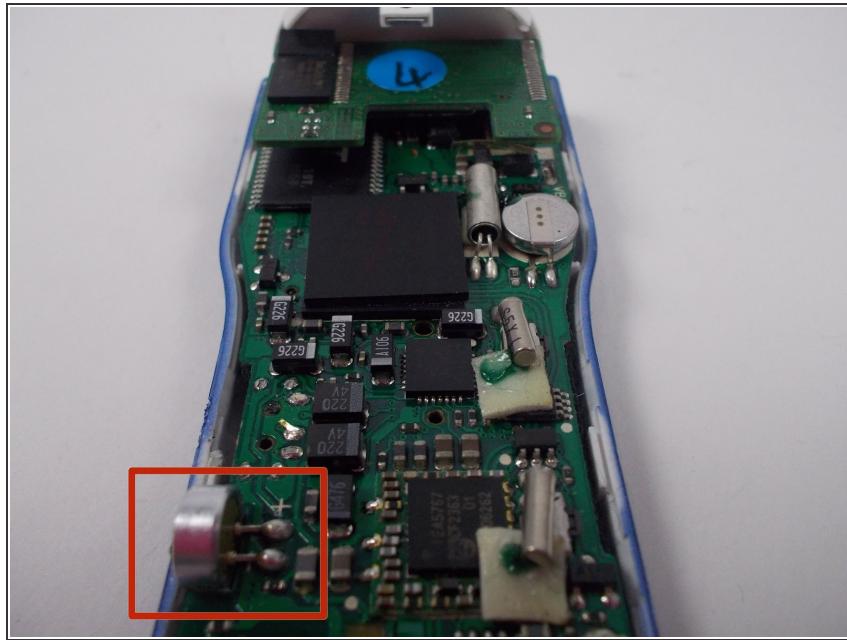
- The casing protecting the USB and headphone jacks must be removed.
- Locate and gently pry apart the two interlocking clips holding it in place.
- The outer casings may now be removed and the MP3 player should separate.

Step 6



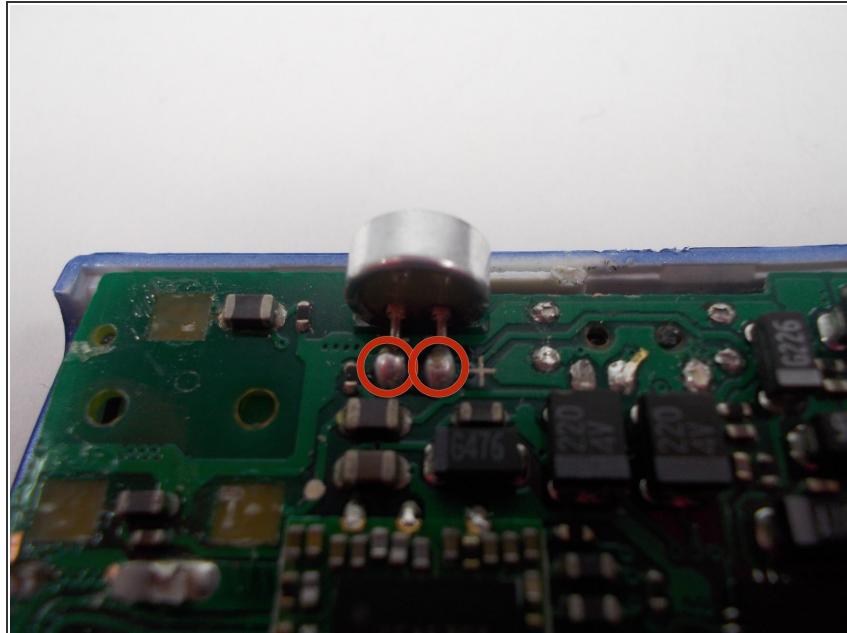
- You now have access to all components found on the inside of the device!

Step 7 — Microphone



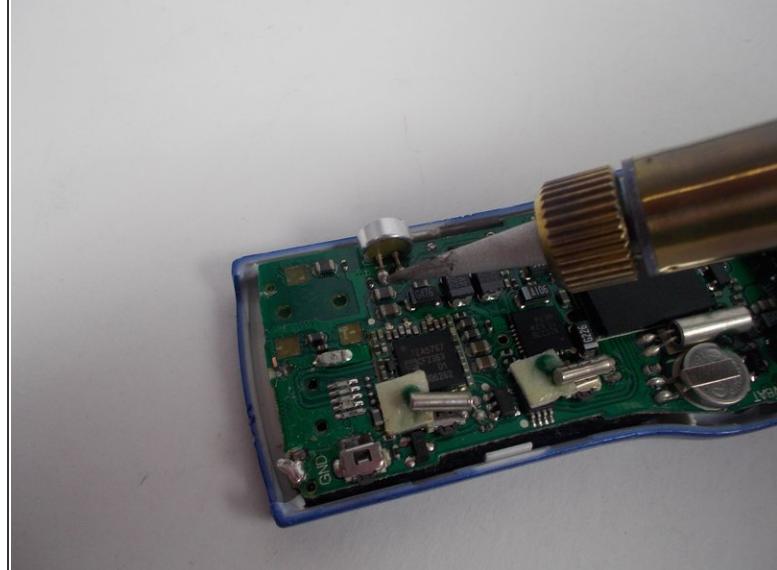
- Locate microphone on motherboard.

Step 8



- Find where microphone is connected to motherboard via solder.

Step 9



- Use the soldering iron to liquefy the solder connecting the microphone to the motherboard.

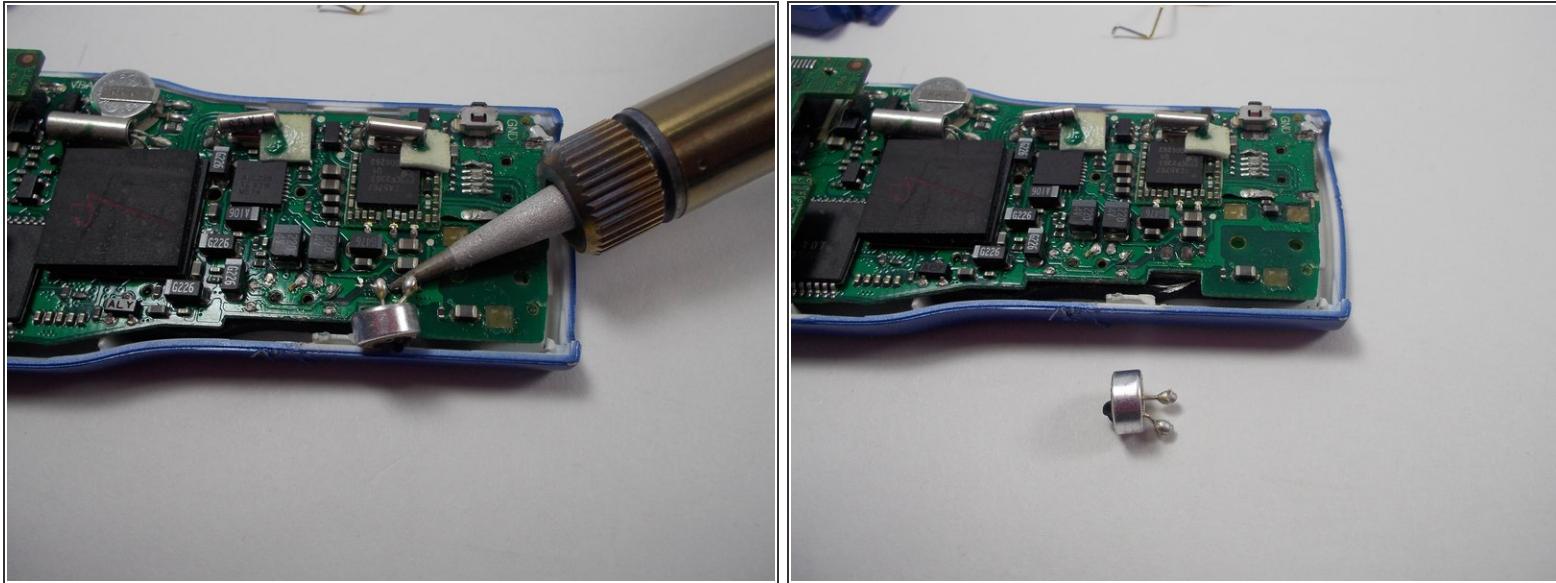
Step 10



 The solder and soldering iron will be very hot at this time. Do not touch unless wearing protective gloves as you will be burnt.

- When not in use, be sure to always elevate the hot end of the soldering iron on a metal stand to prevent incidental burns.

Step 11



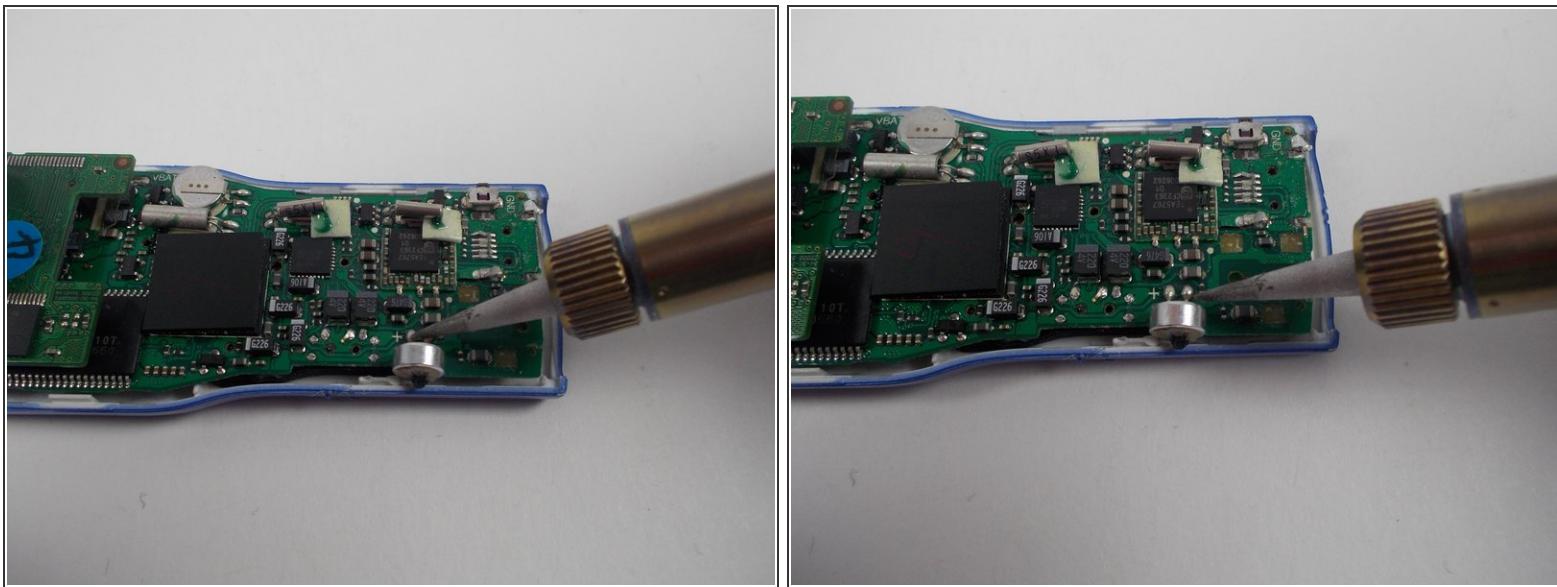
- Remove the faulty microphone as you heat and melt the soldering points.

Step 12



- Replace the faulty microphone with a new one in working order.

Step 13



- With the new microphone in place, use the soldering iron and solder to create a stable connection between the motherboard and microphone.
- Give the new solder time to cool and harden.

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