



# 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.

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### TOOLS:

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



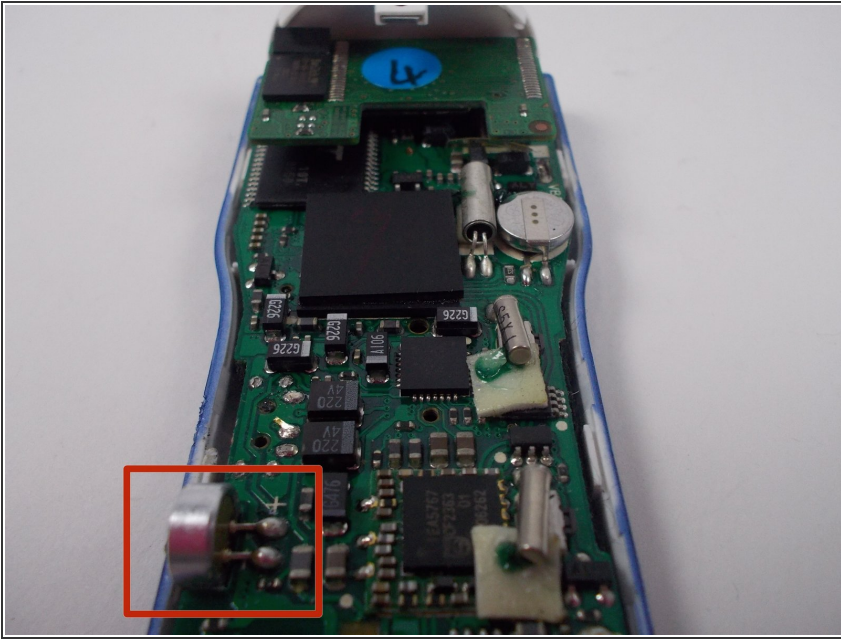
- The casing protecting the USB and headphone jacks must be removed.
- Locate and gently pry apart the two interlocking clips holding it in place.
- The outer casings may now be removed and the MP3 player should separate.

## Step 6



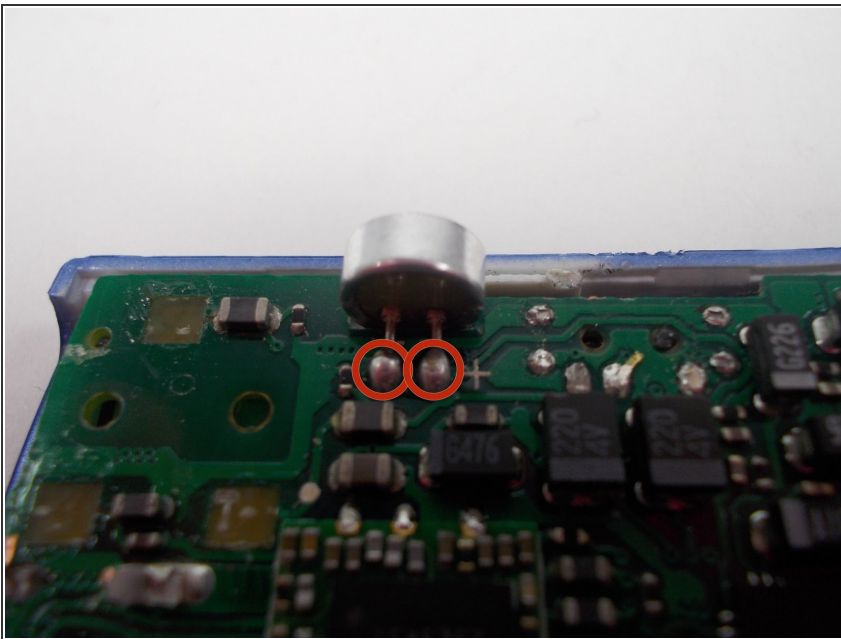
- You now have access to all components found on the inside of the device!

## Step 7 — Microphone



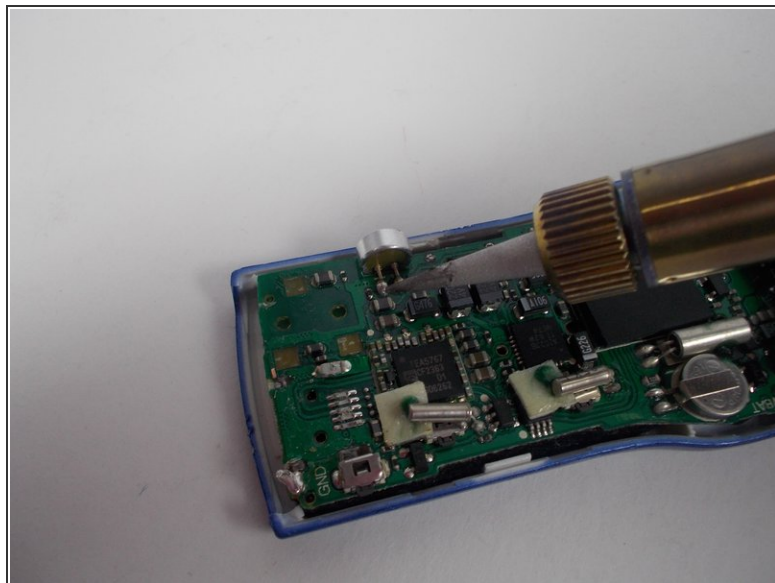
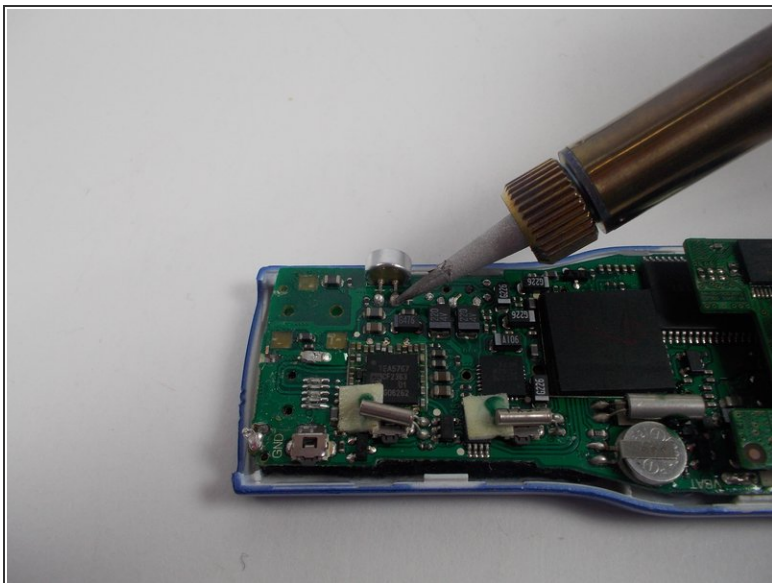
- Locate microphone on motherboard.

## 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

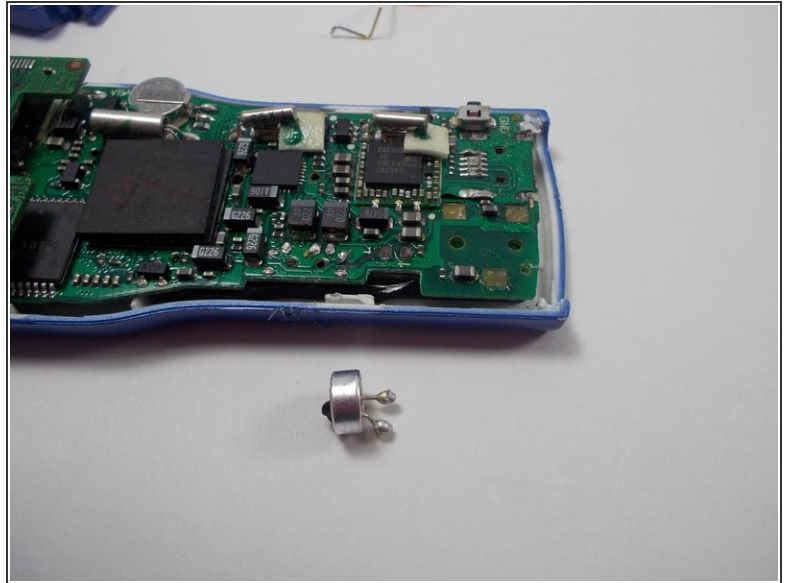
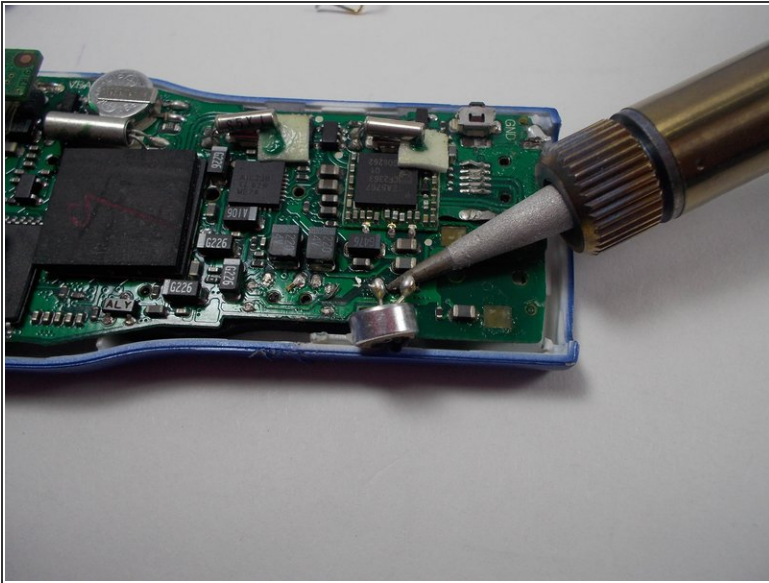


 The solder and soldering iron will be very hot at this time. Do not touch unless wearing protective gloves as you will be burnt.

- 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



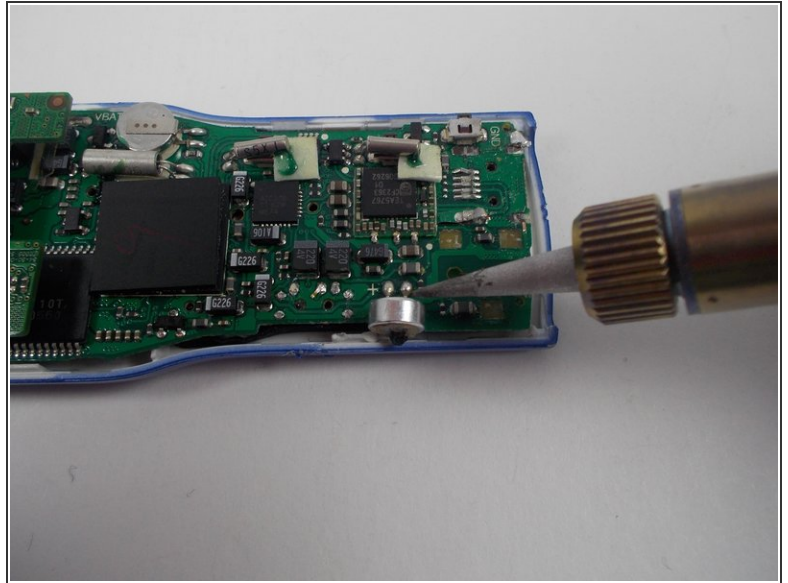
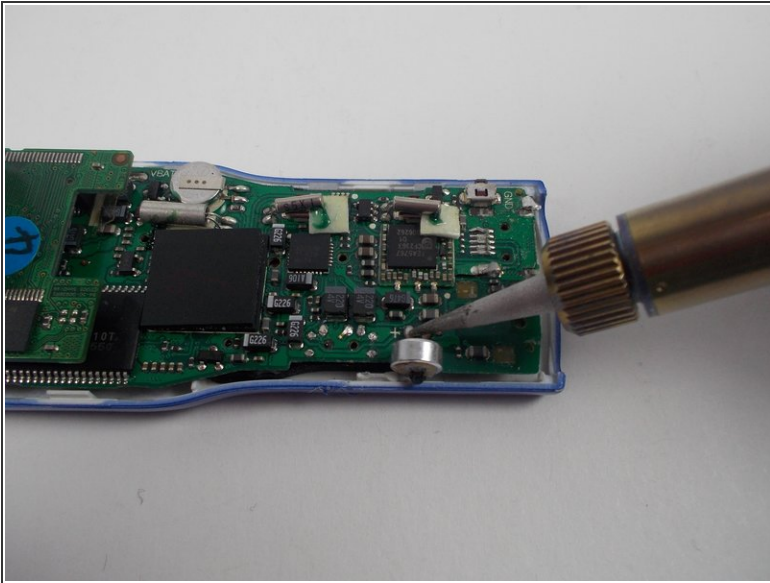
- Remove the faulty microphone as you heat and melt the soldering points.

## 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.