



# VTech Safe and Sound DM111-2 Baby Unit Motherboard replacement Guide

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# INTRODUCTION

**You will need knowledge of how to use a soldering iron.** For more information regarding soldering visit: [Soldering Skills](#)

Used for mother board replacement and repair If the unit starts behaving erratically. Along the process you will determine if the behavior is not due to a faulty power jack, wires, and or microphone. If so proceed with motherboard replacement.

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## TOOLS:

[Portable Soldering Iron](#) (1)

[Phillips #0 Screwdriver](#) (1)

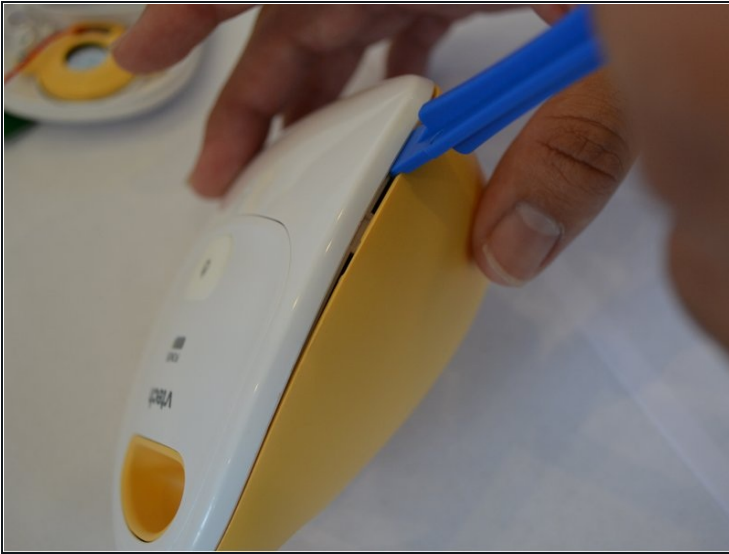
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## Step 1 — Baby Unit Motherboard replacement Guide



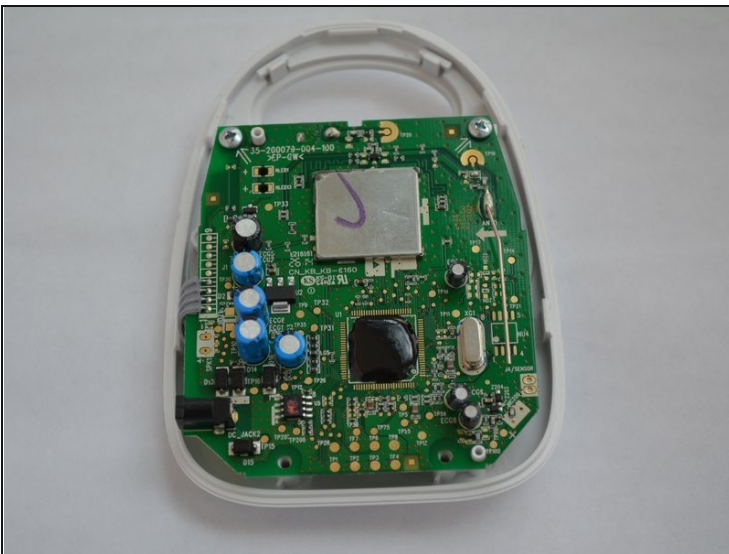
- Along the back of unit there are two 4mm philips head screws towards the bottom of the unit. Start by removing these two screws using your PH0 screwdriver.

## Step 2



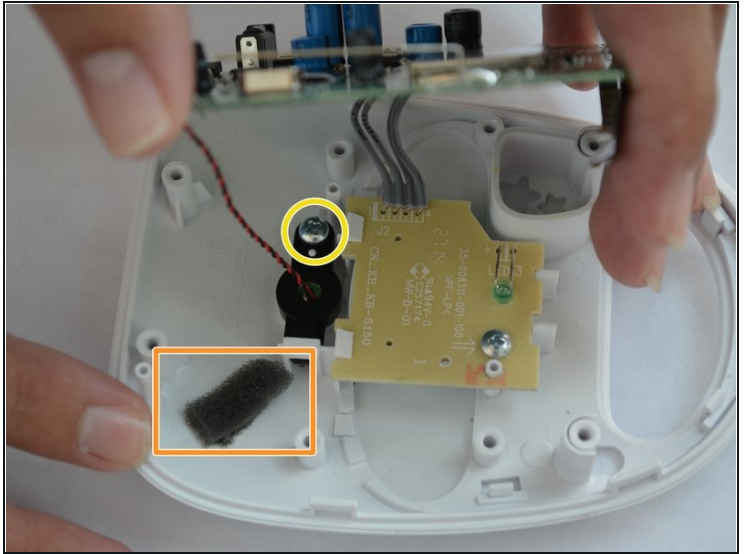
- Using the plastic spudger gently pry along the middle of the 2 sections of the plastic housing in order to release plastic latches on the inside of the housing.
- ⓘ Unlike the parent unit there are no wires across the two housing pieces, so once the latches are undone simply pull it apart without worry of disconnecting anything.

## Step 3



- ⓘ Once apart the motherboard will be exposed with two 4mm phillips head screws near the top and 4 wires leading leading to a circuit board hidden under the motherboard.
- Remove the two screws near the top of the motherboard.

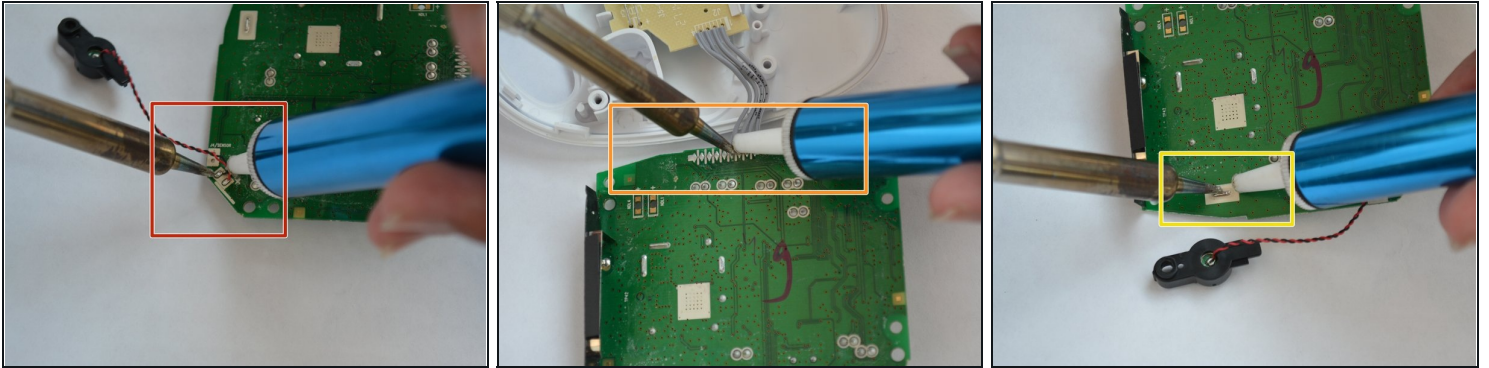
## Step 4 — Disconnect the microphone



- Remove the strip of adhesive tape located under the motherboard.
- Gently lift the motherboard to expose the inner components.
- Use a spudger to scrape away the adhesive and foam connecting the microphone.
- Unscrew the 4mm phillips head screw holding the microphone in place.



## Step 5



- ① Before de-soldering, check to see no scorching or broken connections appear on the wires, power supply jack or antenna.
  - De-solder the connections from the motherboard using a soldering iron and a [solder sucker](#).
    - De-solder the connections to the microphone, located on the bottom left of the mother board.
    - De-solder the 4 wires connecting the LED board to the motherboard.
    - De-solder the antenna's solder joint, located above the microphone wire connection.
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To reassemble your device, follow these instructions in reverse order.