



Philips Wake-Up HF3520 Power supply repair

The IC (chip) inside the lamp seems to die...

Written By: Thomas Widmaier



INTRODUCTION

The IC (chip) inside the lamp seems to die slowly resulting in flickering/flashing lamp operation when using the radio. Also, the buttons may become unresponsive.

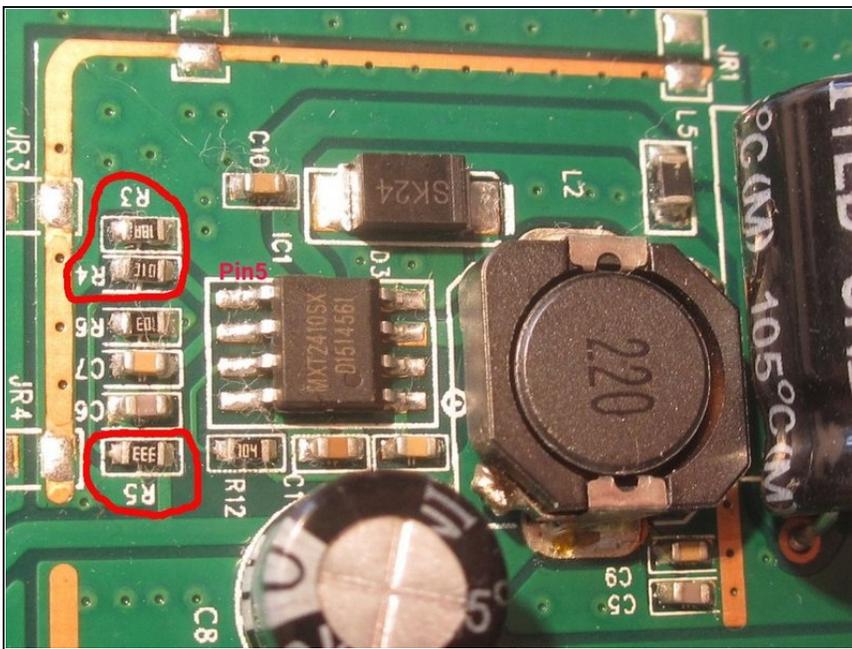
The problem occurs specifically when the device is cold and/or humid. Heating up the IC makes it work again.

🔧 TOOLS:

Spudger (1)

Phillips #00 Screwdriver (1)

Step 1 — Replace the IC chip



- On the main PCB with the power jack, replace the MXT2410 switchmode regulator IC (SO-8 Package).
- Currently a seller "adeleparts2010" has this chip available (might change in future).

⚠️ The ACT4060 is pin-compatible but can be a problematic choice. It can blow up and damage LEDs, so don't use it.

Arbeite die Schritte in umgekehrter Reihenfolge ab, um dein Gerät wieder zusammenzubauen.