



# BlackMagic Hyperdeck Studio Mini Fan Replacement

BlackMagic Hyperdeck Studio Mini has a very loud fan that can be replaced to make the quieter.

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## INTRODUCTION

BlackMagic Hyperdeck Studio Mini has a very loud fan that can be replaced to make the quieter.

**WARNING - THIS WILL VOID YOUR WARRANTY!**

[video: <https://youtu.be/tCo3eqLtvE>]

### TOOLS:

- Soldering Workstation (1)
- Heat Gun (1)
- Small Round Nose Pliers (1)
- Phillips #1 Screwdriver (1)

### PARTS:

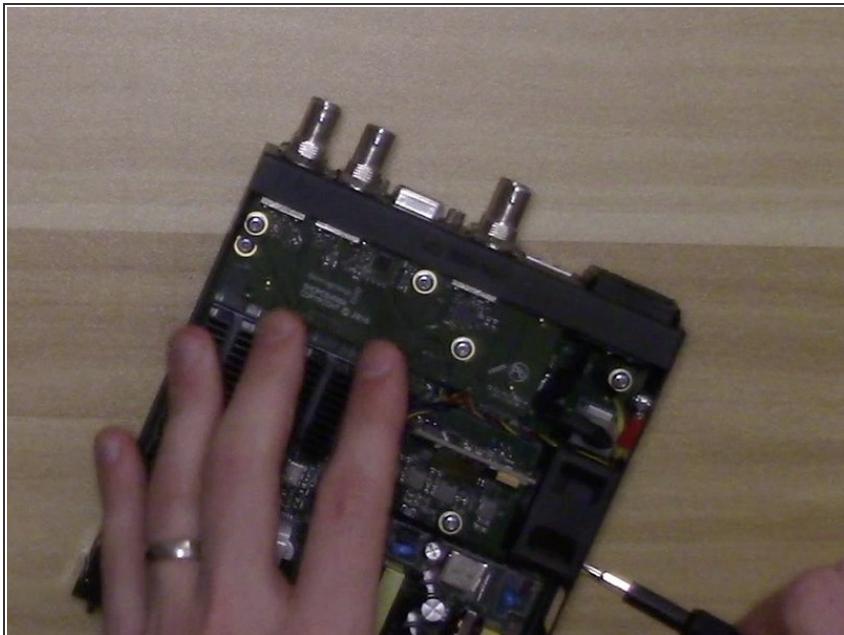
- Heat Shrink Tubing Assortment (1)
- Noctua NF-A4x20 PWM Premium-Quality Quiet 40mm Fan (1)
- Solder (1)

## Step 1 — Unscrew the Outer Case



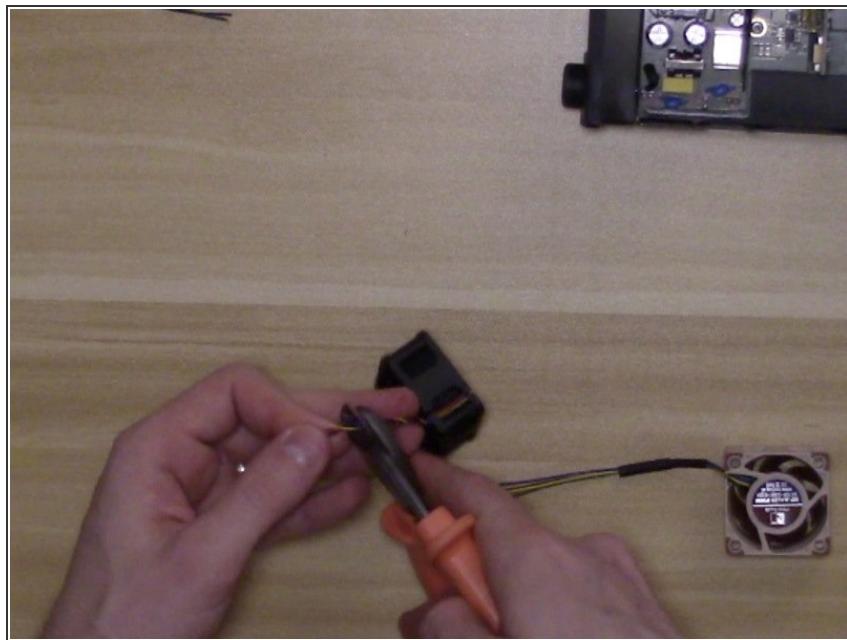
- 4 Screws on each side

## Step 2 — Remove Fan



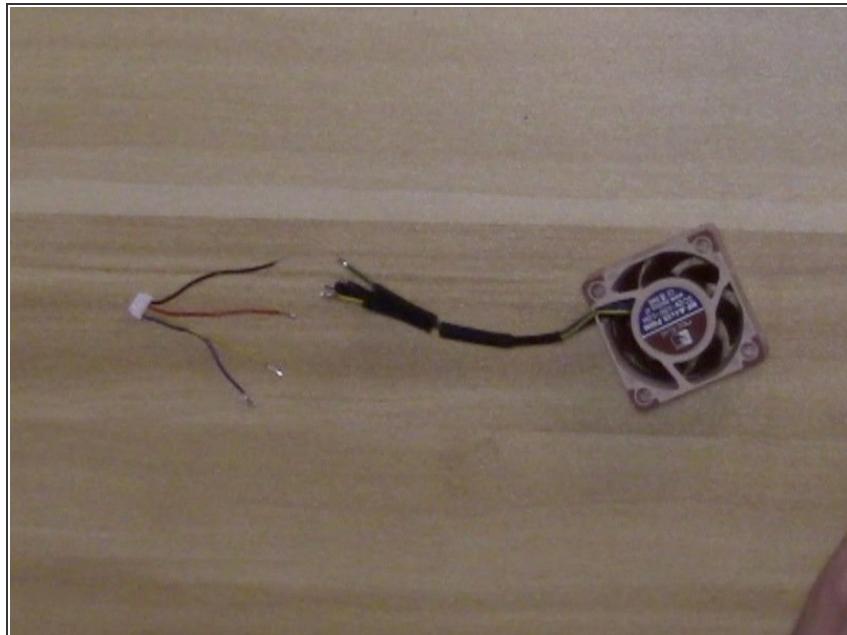
- 2 - Screws
- 1 - Pull cable

## Step 3 — Cut Off Connector from both the old and new fan



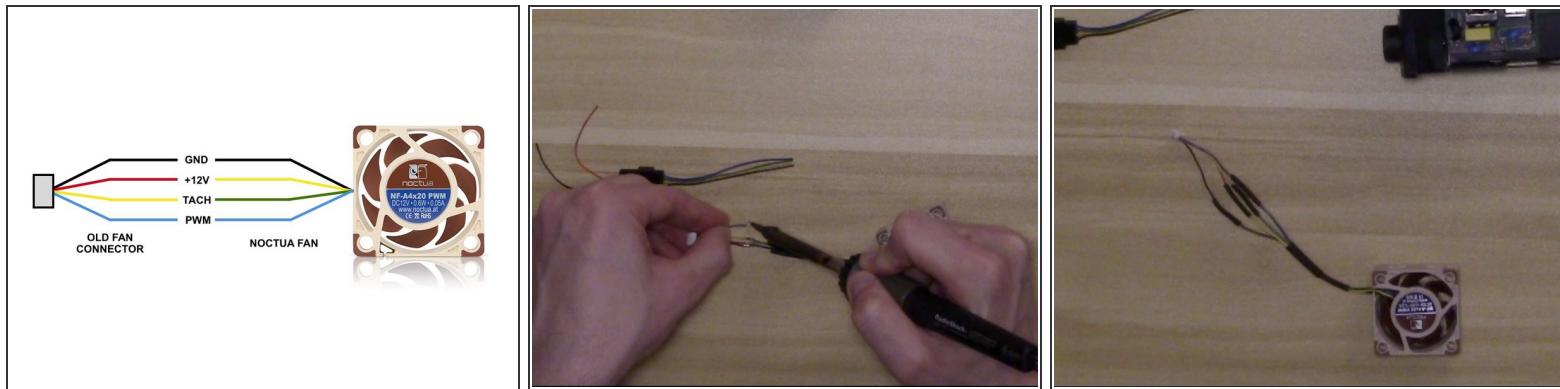
- Leave some length to solder with and to reach connector on main board.

## Step 4 — Prep Fan Wires and Connector Wires



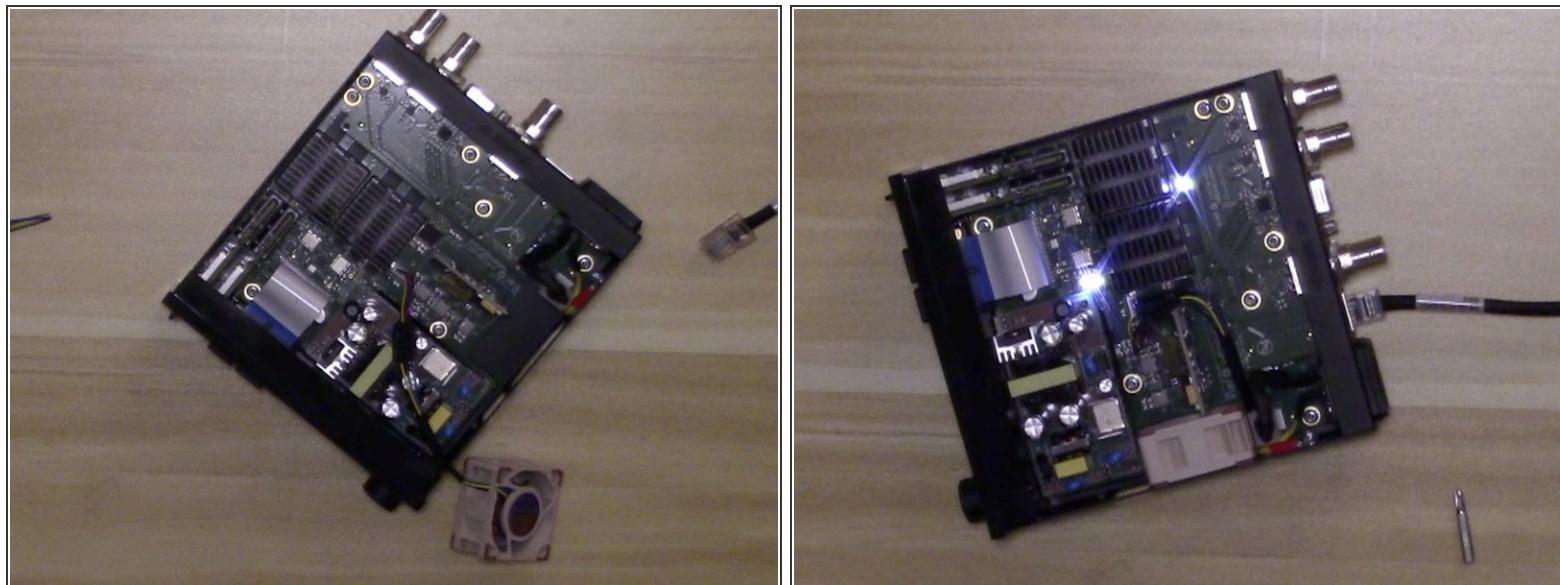
- Strip Wires, Tin Wires, and prep by adding heat shrink tubing on wires (before shrinking).

## Step 5 — Solder Connector to Fan



- Solder the new fan to the old connector using the following pinout.
- Adjust heat shrink tubing so it covers the solder joints and use heat gun to shrink tubing.

## Step 6 — Re-assemble fan to device with fan label facing out



- Re-assemble fan to device with fan label facing out.

## Step 7 — OPTIONAL - Use Small Round Nose Pliers to break off case grill to make fan even quieter



- OPTIONAL - Use Small Round Nose Pliers to break off case grill to make fan even quieter.

## Step 8 — Re-Assemble Case



- Re-Assemble case.

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