Echo Dot 4th Generation Teardown

See what LED Panel powers the new Echo Dot 4th gen from Amazon and see the control board which holds the microphones as well.

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TOOLS:

- T6 Torx Screwdriver (1)
- T5 Torx Screwdriver (1)
- TR8 Torx Security Screwdriver (1)
- Spudger (1)
Step 1 — Open the bottom

- Get under the bottom layer with something thin and pull it off. You might need to use quite a force as it's glued pretty well.

Step 2 — Loosen screws

- Take the screws out with torx 6. A T5 might work as well.
Step 3 — Open it

- Open the device.
- The top part is housing the speaker with all boards and components.

Step 4 — Take out the mainboard screws

- Take out the mainboard screws with a torx 5.
Step 5 — Lift the mainboard.

- Be careful by lifting the mainboard. The LED panel and the control board are still connected.
- Open it from the side on the volume up button.

Step 6 — Unplug the connectors

- Take a spudger and lift the connector off. **Careful!** It opens from the opposite side the the cable is going in.
Step 7 — Place the mainboard aside

- Best place is in the bottom part where it originally sits.

Step 8 — Take out the speaker

- Open the four torx 8 screws.
- Lift the speaker outside the speaker grill.
**Step 9 — LED Panel**

- Carefully pull the partially glued connector cable off.
- Use a torx 6 or 5 to take out the two screws.

**Step 10 — Take LED panel out**

- Pull it in the direction of the arrows to take the panel out.
Step 11 — Take out screws of control board

- Loosen the four screws.

Step 12 — Loosen glued cable

- Pull of the glued connector cable.
Step 13 — Take off the cable

- Lift the lock, which is again on the opposite side of the cable.
- Beware pulling the cable out. Don't pull it up, pull it as low as you can. See the arrow.
- Remember how the board is placed because there isn't much of a difference.

Step 14 — Lift the controller board

- As the controller board sits quite tight better use the flat side of a spudger to lift it off.
- Use the leverage effect.
Step 15 — Closer look

- That's the controller board.
- On the other side are the buttons. Remove the rubber cap.

Step 16 — Screws of the device

- The device uses three types of screws.