



# Roberts Expression DAB/FM Digital Portable Radio Antenna Replacement

This guide will guide the user in replacing the antenna in the Roberts Expression DAB-FM Digital Portable Radio.

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# INTRODUCTION

The radio's antenna can become unscrewed from normal handling, possibly tearing the antenna cable. This guide will explain how to replace the antenna of your Roberts Expression DAB-FM Digital Portable Radio.



## TOOLS:

- [Essential Electronics Toolkit](#) (1)
  - [Soldering Iron](#) (1)
  - [Solder](#) (1)
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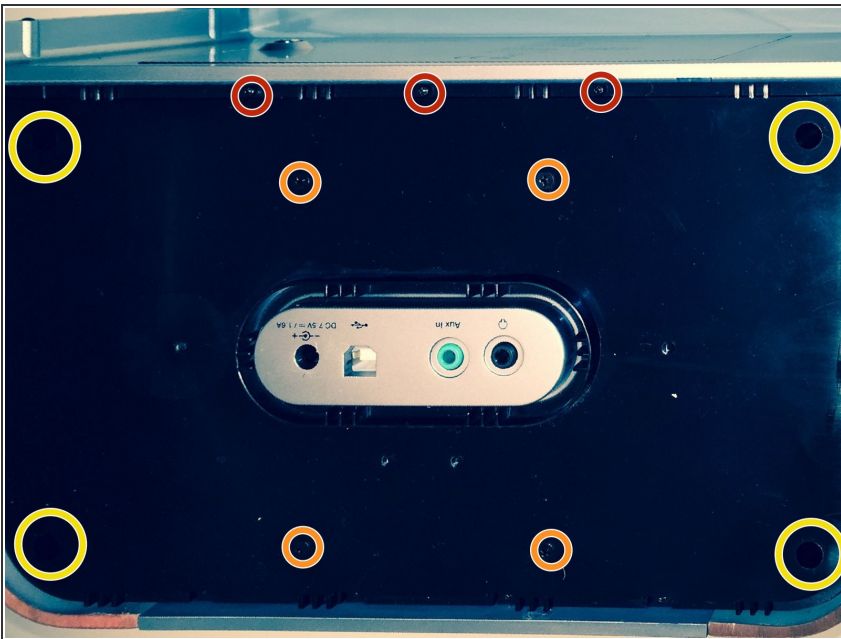
## Step 1 — Antenna



- Gently pry the speaker grill from the radio, using a spudger if needed.

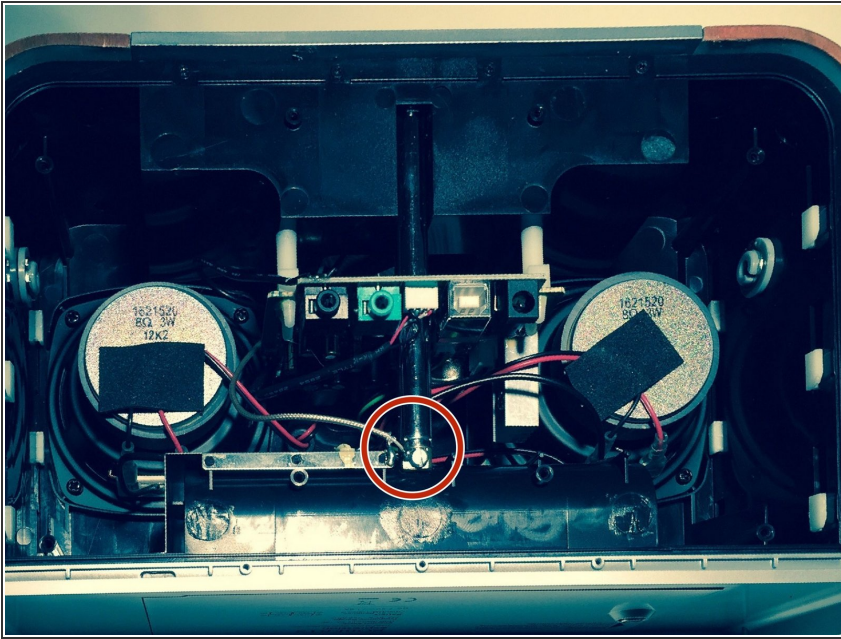
⚠ Pry gently as to avoid bending the speaker grill.

## Step 2



- Unscrew the 11 Phillips screws on the rear panel, taking note of the varying sizes of screws.
  - Small Phillips screws
  - Medium Phillips screws
  - Large Phillips screws

## Step 3



- ❗ The screw holding the antenna in place may have fallen out, and would be loose in the device or stuck to a speaker magnet. Re-secure the screw if it was loose.
- Inspect the solder joints that join the coaxial cable to the antenna. If the coaxial cable solder joints are loose, frayed, or snapped, re-soldering is required.
- If the solder joints are damaged, desolder the coaxial cable from the antenna base.
- ⚠ Soldering irons can reach temperatures of up to 900 degrees F. Handle with caution.
- Carefully solder the antenna signal element to the small wire in the core of the coaxial cable. Ensure the core wire can not touch any other electrical connections.
- Gently arrange the coaxial cable so that the outer shielding of the coaxial cable can be soldered to the ground of the antenna. Check that the solder joint is sturdy.

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