



How to Sangean DT 200V radio

If your radio stops working, particularly after dropping it, it is usually an easily fixed break in the battery connection solder.

Written By: db88



INTRODUCTION

After owning two of these Sangean DT 200V pocket radios, I discovered that they were easily repairable when they failed after being dropped. Apparently this is a common failure to their design and manufacture.

TOOLS:

- [Soldering Iron \(1\)](#)
- [Marlin Screwdriver Set - 5 Standard Precision Screwdrivers \(1\)](#)

Step 1 — How to Sangean DT 200V radio



- If your radio has stopped working after dropping it, my experience with two of these radios is that the solder connecting to the battery holder has broken. First, you need to expose the broken connection by unscrewing the screws on the back of the radio, and carefully loosening and removing the back casing.

Step 2



- The broken connection is at the top right of the battery compartment. You will need a soldering iron, but probably do not need to add any new solder. The soldering iron will need to be hot (follow its instructions), which typically takes a few minutes of heating up.

Step 3



- Remove the radio batteries. Use the hot iron to carefully melt the existing solder at the outer edge of the radio where the circuit board connects to the batteries. Melting the solder restores the connection to the battery terminals. Be careful not to overheat this area which could damage other parts on the circuit board. It only takes a very brief time to melt the solder with a hot iron.

Step 4



- Your radio now has an excellent chance of working again. The radio may be broken again by future drops, and I have been able to repeat this repair several times on the same radio. Apparently this is a failure point in this design, but the radio is otherwise quite resistant to damage from dropping.

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