

Step-by-Step Guide for RTL-SDR on Android with SDR Touch:

Prepare:

1. An android phone (Best android phone brand: Samsung – Android 13 & above)
2. RTL.SDR V.3 (DVB-T+DAB+FM+SDR) RTL2832U R820T2 TCX0+BIAS T+HF



3. Type C to USB OTG cable or Type C to USB OTG Adapter



Hardware Setup:

1. Connect your RTL-SDR dongle to your Android phone using a Type C to USB OTG cable or connector.
2. Attach the Dipole Antenna Kit to the RTL-SDR dongle.

Software Installation:

1. Install the following apps from the Google Play Store:
 - SDR Touch Driver: Allows communication with the RTL-SDR dongle.
 - SDR Touch: The main app for tuning and listening.
 - SDR Touch Key: Purchase and install this key for USD 10 to unlock Pro features.

Configure SDR Touch:

1. Open the SDR Touch app.
2. Follow any on-screen prompts to set up the SDR Touch Driver.
3. Turn on the spectrum view in the SDR Touch app.

Capture Electromagnetic Noise

1. Connect the RTL-SDR dongle and antenna.
2. Tune to 72MHz (one of the targeted electromagnetic noise) using the SDR Touch app.
3. Turn on emGuard and check the spectrum view in the SDR Touch app to verify that the targeted electromagnetic noise is suppressed.