

PocketVNA android Manual

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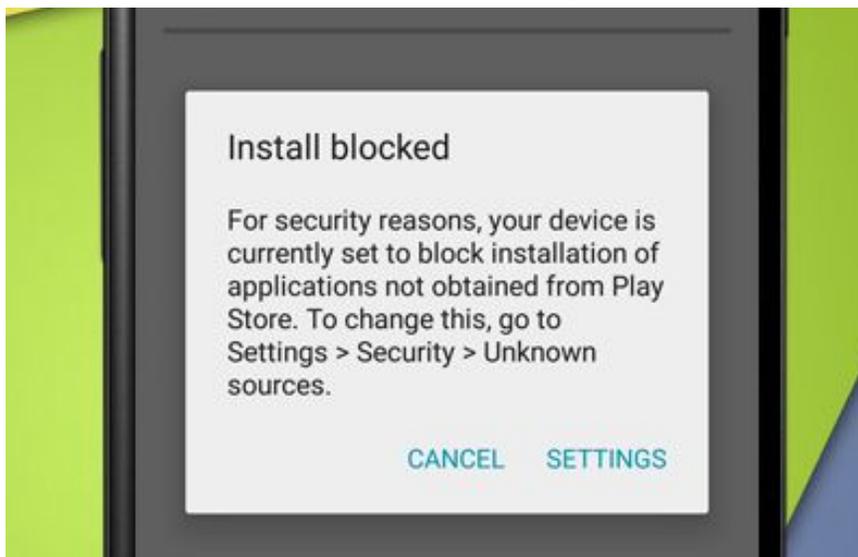
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Installation

Note: Right now it should work starting Android 4.4. But there are some issues that may cause Application crash on system level. So, for now, it works on Android Marshmallow (6.0)

- Download pkg file
- Tap on it
- If installation from unknown sources is forbidden system will notify about that. On some systems the notification may contain "Settings" button. Something like this:



Hide Settings button. Find option “*Unknown sources*” and set it checked. Tap *OK* on the prompt message.

This options are located by this pass: *Setting* > *Security* > Check the option “*Unknown sources*” > *OK* on the prompt message

- If “Unknown sources” are enabled then installation is very straightforward

Start & Look

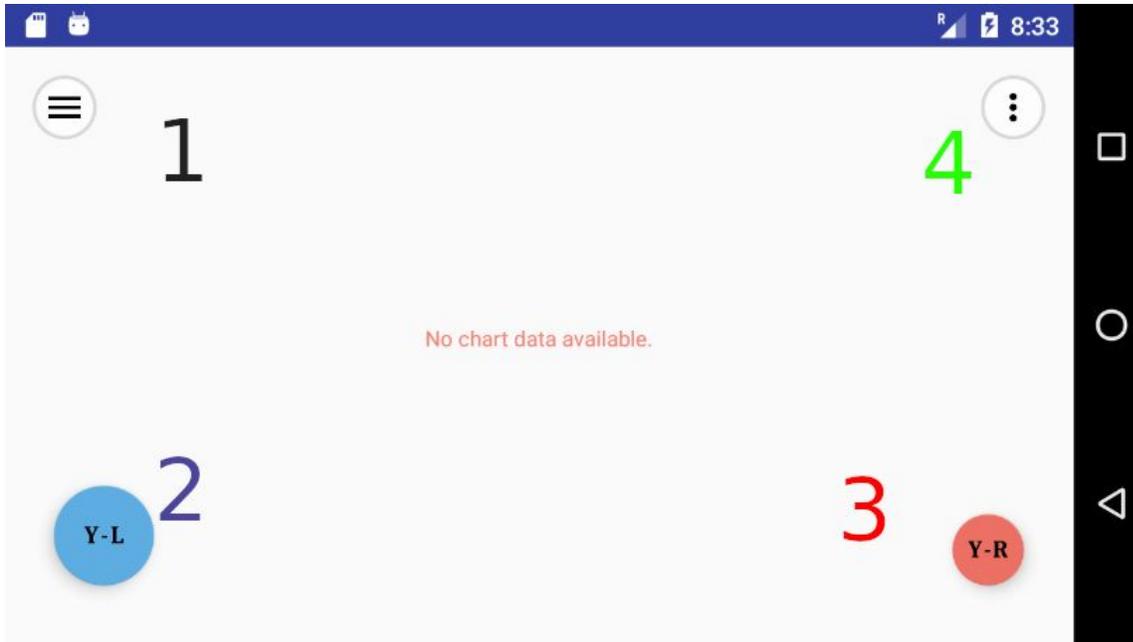
To connect PocketVNA device you need an OTG cable.



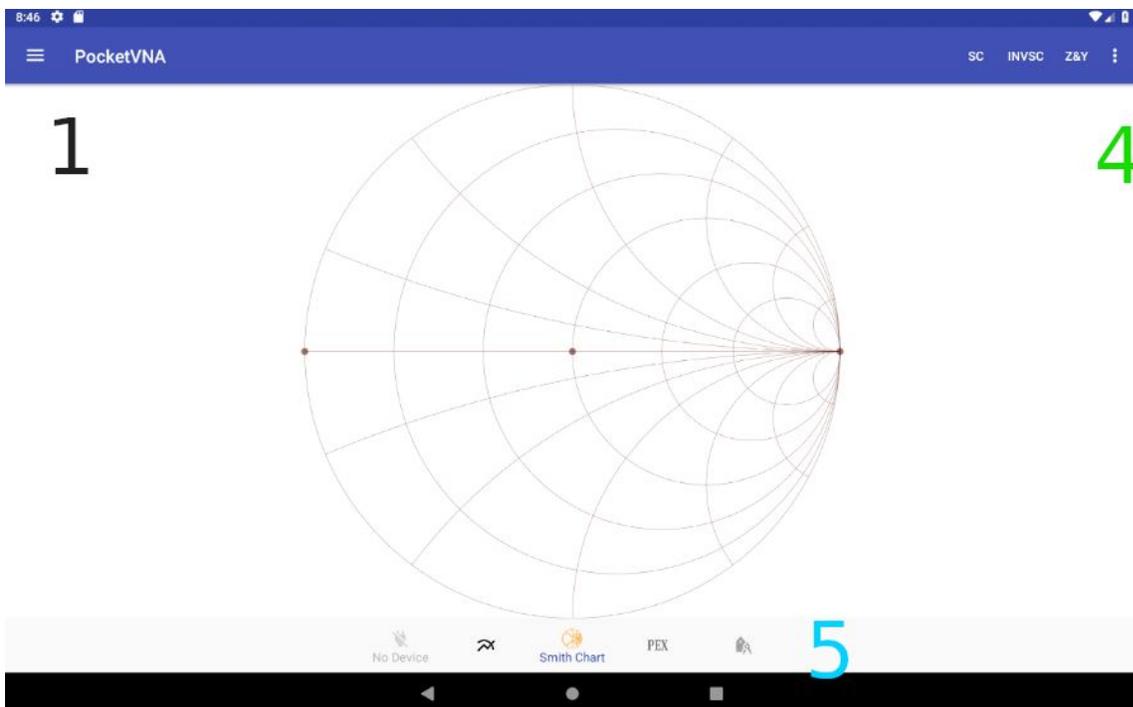
Look

Live Measurements Activity

On Small Devices (like phones) or low resolution tablets



On Bigger Devices it looks like



Live Measurements Has two plot modes: Usual (Cartesian, Square) Chart and Smith Chart

1. **Calling left Navigation Drawer: contains all actions**
2. **Select Left Curve's Settings for a Square Chart**
3. **Select Right Curve's Settings for a Square Chart**
4. **Options menu:**
 - a. **Common Options**
 - i. **"Show Markers"**

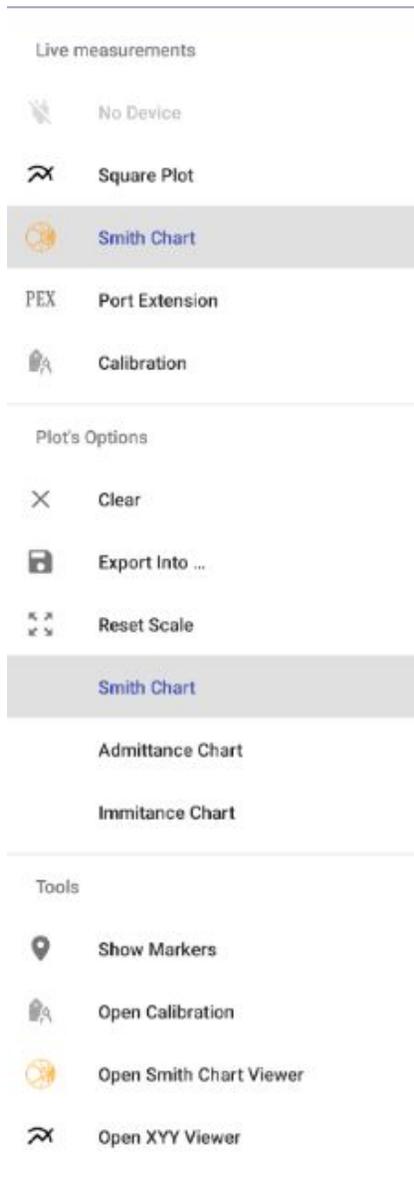
- ii. "Clear"
- iii. "Export into"
- iv. "Reset scale"

b. Smith Chart:

- i. "SC" or "Smith Chart"
- ii. "INVSC" or "Admittance Chart"
- iii. "Z&Y" or "Immittance Chart": contains both Smith And Admittance

5. **Bottom Navigator:** Consists of "Scan" action, "Square Plot", "Smith Chart", "Port Extension", "Calibration Settings"

Navigation Drawer

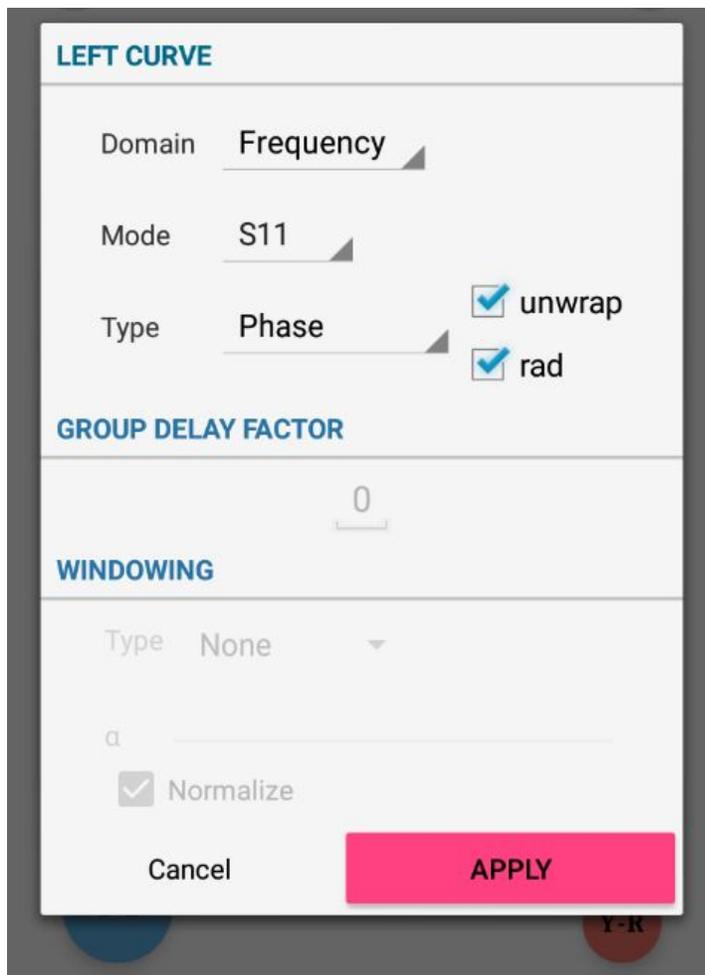


- Live Measurements group:

- “No Device”/”Scan” -- If device is present this item is enabled and runs “Scan” Dialog
- “Square Plot” -- select “Square Plot” mode
- “Smith Chart” -- Select “Smith Chart” mode
- “PEX” -- Calls “Port Extension” dialog
- “Calibration” -- calls “Calibration Dialog” in which a calibration file can be loaded
- Plot’s Options Menu
 - Duplicates “Options Menu”
- Tools. Contains links to other activities:
 - “Show Markers” -- opens activity with markers
 - “Open Calibration” -- opens activity to take calibration data
 - “Open Smith Chart View” -- Opens corresponding viewer
 - “Open XYY Viewer”

Square Plot Selectors

In “Square Plot” mode you can see two buttons on the bottom of the screen “Y-L” and “Y-R”. They call the following dialog.



Domain and Windowing may be set for Left Axis only. Right axis will have the same domain.

Saving Marker

To save marker double-tap on a plot. Single-tap on a plot just highlights nearest point.

In contrast to Desktop PocketVNA application Android version tracks nearest point for one curve only.

XYY Windows

Currently, only one activity (window) is allowed. Re-design is required because Android has some restrictions

It is not possible to load files bigger of a certain size. For example loading 6-Port file with 1001 points is impossible to load. Also XYY window can not exceed the very limit for all loaded curves

Smith Chart Windows

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Run the Application

Connect a device using OTG cable

If you connect a device Android will ask you something like [Example of permission request]

Hit OK. Then you'll be asked: [Associate pocketvna with device] Hit OK