

## Instructions for setting up the SWR/PWR meter with Wi-Fi interface

- Required power supply – microUSB 5V 1A
- Range - up to 30m when using an entry-level wi-fi router
- Housing – Gainta G0479
- Full-scale power level – from 20 to 1000 Watt (depends on firmware)
- Frequency range – from 1 to 30MHz
- Measuring power – PEP (Peak envelope power)
- AP ID – «SWRmeter\_sn\_\_\_»
- Password – «1234567890»
- IP address in AP «SWRmeter\_sn\_\_\_»– 192.168.4.1

Links for access:

**192.168.4.1/wifi** – wifi settings

**192.168.4.1/swr** – page with swr/pwr meter.

**192.168.4.1** – start page

### **Before you start setting up, your router must have DHCP enabled!**

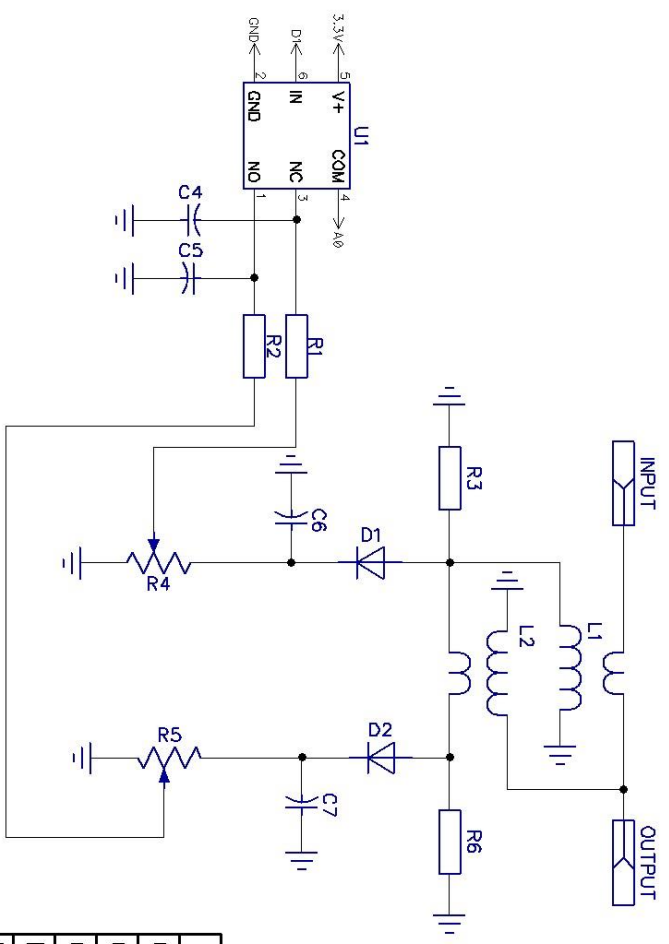
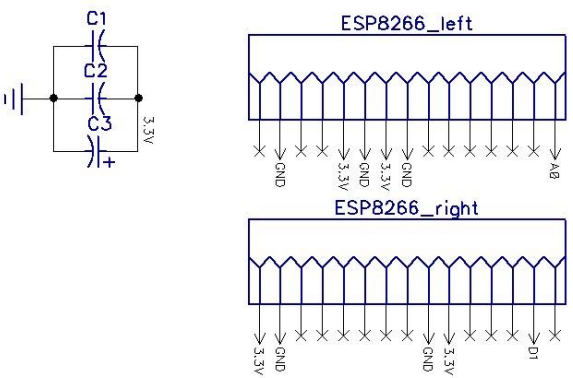
When you first turn on, you need to connect the controller to your WI-FI network. To do this, you must search for available networks on your smartphone or computer. The swr/pwr meter creates a network "SWRmeter\_sn\_\_\_" password "1234567890".

After connecting the network, go to the web browser at "http://192.168.4.1/wifi". A window with Wi-Fi settings will open. You must enter the name and password of your network and click "Connect / Disconnect"

After successfully connecting to your network, the access point «SWRmeter\_sn\_\_\_» will automatically turn off and the device will receive the IP address of your network. Further, to access the device's web server, use the IP address issued by your Wi-Fi router.

Source code - [https://github.com/ra0sms/SWR\\_PWR\\_meter](https://github.com/ra0sms/SWR_PWR_meter)

# Power and SWR meter with WI-FI interface



L1,L2 - 30 turns core FT82-43

RefDes	Value	Name
C1,C6,C7	10n	SMD0805
C2,C4,C5	100n	SMD0805
C3	220u	16V
D1,D2	1N5711	
R1,R2	1k	SMD0805
R3,R6	51	2W
R4,R5	10k	3296W
U1	TS5A3159	