

This document provided by



Geek Must Have

<https://GeekMustHave.com>

Web

<https://YouTube.com/c/GeekMustHave>

YouTube

<https://GitHub.com/GeekMustHave>

GitHub

Hack RF 1 Portapack V2.0 Zero to almost Hero

John HR Schuster

Version 2.1b, 10/04/2022: Blog Post

Table of Contents

1. Introduction	1
2. Instructions	2
3. Turn HackRF off	3
4. References	3
5. Document History	4

The Hack RF, Portapack is a new piece of kit for my Amateur Radio (HAM) collection. I know shit about how to use this device but I do have HAM experience with Software Defined Radio [SDR]. Maybe something I document here will help others.



Open Source SDR Lab

To view a PDF version of this document click this [Link](#)

The GitHub Repository is located at this [Link](#)

The GeekMustHave Blog Post is located at this [Link](#)

1. Introduction

I purchased a HackRF Portapack device from AliExpress in September 2022. SDR radio has been a pastime of mine and I wanted a device I could use stand-alone, without a Tablet or PC.

As with any new device, there is a learning curve, which if documented will help me in 6 months when I come back to this. This is a pseudo blog article but, without any real concern for Grammar, spelling, and the like. Its content is raw and simple. Copies of any files, videos, manuals, or other information will be available from this document.



This document was created using Visual Studio Code and a Markup/Markdown language known as ASCIIDoctor [ADOC]. This is my primary way of writing documentation, blogs, and instructions. I am not a writer, I am an engineer, and pride myself in not using Word for this type of work. I have quite a bit of assets to help using this documentation toolchain easier.

2. Instructions

As expected there was one page of instructions see Link There were pretty much useless. The Aliexpress link had a paragraph on how to start the LONG journey for instructions.

User Manual and Technical Support:

Our SDR technical engineers come from [OpenSourceSDR Lab](#) have written the HackRF One and Portapack relevant user manual. If you need it, you can contact our customer service staffs and let them send you the download link.
And if you have any question when you use HackRF One (with portapack), you can feel free to contact us. We are very happy to discuss SDR technology with you. You can contact our technical support engineer using telegram software via the link: <https://t.me/OpenSourceSDRLab>
To facilitate communication,
please contact him and show your aliexpress order ID to him.
Welcome to join our telegram Group 《OpenSourceSDR Lab》 via telegram communication software by the following link: <https://t.me/joinchat/MrUQFRcNGoxjYTg1>

Figure 1. AliExpress instructions link

REFERENCE: Telegram Software link [Telegram](#)

REFERENCE: Telegram group link [Telegram SDR Group Link](#)

In order to get instructions, you have to install [Telegram](#) on your mobile device and your PC and link them together using QR Codes and wave a dead chicken above your head while reciting the magic unknown words. [Telegram](#) is not the most secure messaging as it requests access to your phone numbers and contacts.

Telegram

Telegram is another private and secure instant messaging app launched in 2013 with more than 500 million active users per month. Its main security and privacy feature is end-to-end encryption for voice and video calls and voice chats in groups. Other privacy features include secret chats, self-destructing messages, videos, and chat locking. Following is the only information the Telegram app will provide upon request from a law enforcement agency and includes no message content:

- **Telegram's privacy policy** states that it will only provide IP and phone numbers to authorized parties for confirmed terrorist investigations. They will not provide any contact information for law enforcement to pursue a court order

Figure 2. Telegram Security

REFERENCE: What data can Government get from [Telegram Security](#)

My plan is to get the damn manual and bail from [\[Telegram\]](#).

Your message should include order information probably because they don't want the instructions getting out in the Open. I will take care of that by including a link to those instructions from this document, for anyone in the Open to use them. What part of **OpenSource SDR** means the instructions need to be secured?

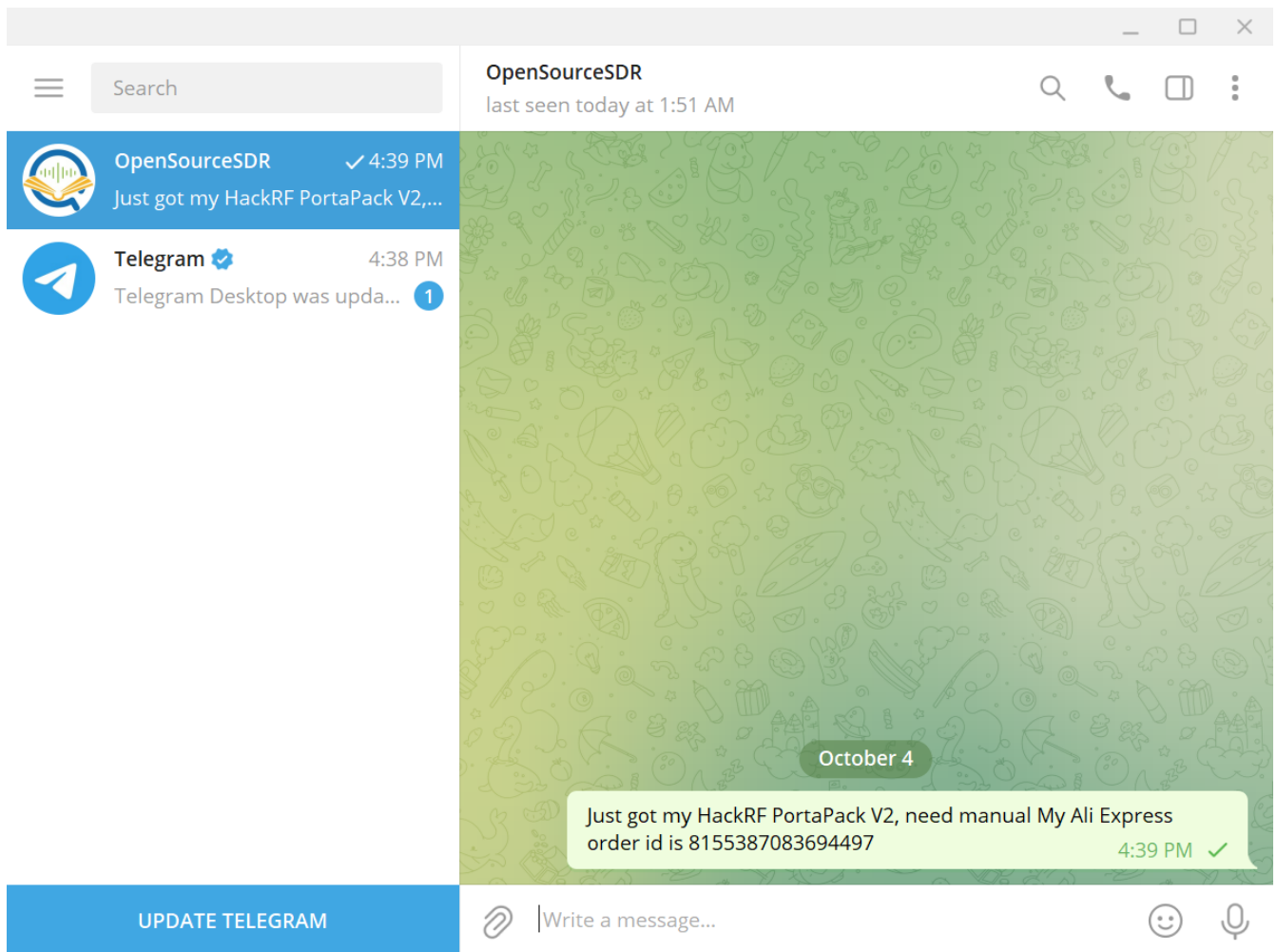


Figure 3. Telegram Message

3. Turn HackRF off

Nothing in the one-page instructions indicated how to turn the HackRF off. Turns out it is something simple, just double-click on the rotary dial, duh.

4. References

5. Document History

Table 1. Document History

Date	Version	Author	Description
10/04/2022	V2.1b	JHRS	Initial version