N1MM Logger+ RTTY FSK Guide for Amateurs and Pros

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I got a Icom 7300 request for a tutorial on RTTY using N1MM Logger+ and **Wfview.** This will be RTTY FSK and not AFSK. I wanted to update my old posts using my Icom 7300 and N1MM Logger+ and here's my opportunity. Whether you are a seasoned contester or a beginner, you'll like this and if you have any tips or suggestions I would appreciate your commenting below.

Icom 7300 Setup

The first step will be getting the Icom 7300 setup properly. So have a look at the screen captures and particularly the USB SEND/Keying configuration.

When in RTTY mode don't forget to enable the Twin Peak Filter (TPF) in the Icom 7300. It's an amazing filter to use in contests and not many radios have this advantage. It's the reason I prefer RTTY FSK over AFSK.

Virtual Serial Ports Emulator (VSPE)

We'll need VSPE for this operation. I want to be able to use N1MM Loggers+ Spectrum Scope and the only way to do it is to use the USB cable with 115200 baud rate. We'll also use it for Wfview and for RTTY FSK keying.

If you don't have it you can download it here and see the screen captures for the configuration. It's free to use, but well worth the purchase price is you use it regularly. I also have a video on this here.

Important- Baud 115200

Important- Redirect modem registers

VSPE

What is a N1MM Logger?

If you are a beginner, N1MM Logger+ is a fantastic logging program and is my favorite for contesting. It's a little intimidating at first, but if you try it our for a while you'll get the hang of it. There's no need to use all of it's features, even small contest stations use it. I'm not an avid contestor and I use it for just about every contest and including Field Day.

It's a Windows only program and easy to install. If you're a beginner and need extra help go to this tutorial and follow it. Otherwise download the full install file and double click to start the installation.

Install MMTTY for RTTY

This is a RTTY program that works well with N1MM Logger+. You'll need it for this RTTY contest coming up. If you don't already have it installed follow this link and install the latest full version. I have the important screen captures below and more will be in the upcoming video.

N1MM Logger+ Configuration for RTTY FSK and CW

If you follow my suggestions here you'll not only be able to use N1MM for upcoming RTTY contest but for CW contests as well. Pictures are worth a thousand words, but videos are worth many more, hi hi. See the upcoming video below for a full tutorial on N1MM Logger+, VSPE, MMTTY and Wfview configuration.

N1MM Spectrum Scope Display Setup

Icom IC-705, IC-7300, IC-7850/51, IC-7610, IC-9700

- Must use the <u>USB cable</u> virtual COM port for radio control. Unplug the <u>CI-V cable</u>.
- Set Right-Click Radio source to Radio 1 or Radio 2 as appropriate
- Must have the radio menu CI-V USB Port set to Unlink from [Remote}
- Must have the radio and program baud rate set to 115200 baud.
- After the program and the radio is set to 115200 baud, exit the program and restart. - N1MM Docs

If You Use Wfview and N1MM Logger +

N1MM Logger+ has it's own spectrum scope and it works extremely well, but if you want more rig control you can add Wfview to the mix. **Note: You need to start Wfview before stating N1MM's Spectrum Scope.**

See my previous post, Guide to the Wfview Icom Interface.

Video

Thank You

I'll have more on this topic in an upcoming video. You can follow Mr. B. and myself on our travels using Twitter, Facebook, Instagram and/or YouTube.

If you have any questions about this, please ask them here. I prefer the comment section here or in YouTube over e-mail because your comments and questions will help others as well.

Thank you for subscribing to this website. I sincerely appreciate it. Please send a question I can turn into a YouTube #Short or #TechTips video.

Please help support my work and buy your Ham Tees here.

Stay in touch, stay safe and best 73,

Rich, K0PIR

Sources:

VSPE Download

N1MM Logger+ Full Install File

N1MM Logger+ Install Tutorial

MMTTY Download

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