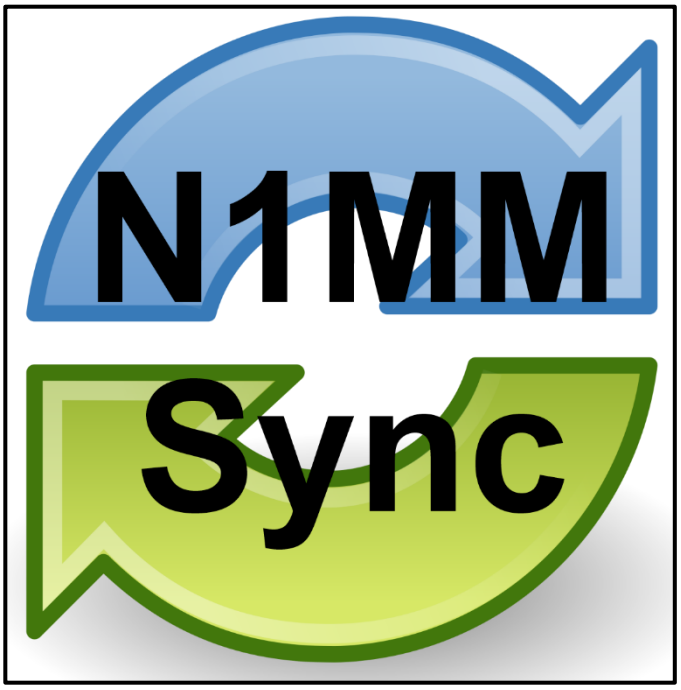
# N1MMsync

**(Version 1.0.0)**




# Users Guide

*Ray Andrews, K9DUR*

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# TABLE OF CONTENTS

Overview ..... 3
System Requirements ..... 3
Installation ..... 3
Program Operation ..... 3
Setting the Display Position ..... 4
Closing the Program ..... 4
Pop-Up Menu ..... 5
Changing Program Settings ..... 6
Software License Agreement ..... 7
About the Author ..... 7
Revision History ..... 8

## OVERVIEW

***N1MMsync*** is a utility which automatically synchronizes N1MM Logger+ files with a shared (cloud) storage location such as OneDrive™ or Dropbox™.

N1MM does not allow you to place your data files in a shared location. This means that if you want to run N1MM on more than one computer using the same data, you must manually copy your data files from one computer to the other. This has the added complication that some files contain hardware-specific information and should not be copied. ***N1MMsync*** copies the N1MM data files that are safe to copy from a shared storage location to the local directory where N1MM expects them to be. When N1MM closes, the files are copied back to the shared location. **NOTE:** ***N1MMsync*** is not to be used for running N1MM on more than one computer at the same time in a multi-operator situation. The networking features built into N1MM should be used instead.

## SYSTEM REQUIREMENTS

***N1MMsync*** requires Windows 10 or later. It is a 32-bit application and therefore will run on a computer with either a 32-bit or a 64-bit processor.

***Adobe Acrobat Reader®*** or similar program capable of displaying .pdf files is required to view the program documentation.

## INSTALLATION

Run the installation package file, ***N1MMsyncSetup.exe***. This will install ***N1MMsync.exe*** and all required supporting files on your computer. The installer will suggest a default location for the program file. You may change the location or leave it at the default.

## PROGRAM OPERATION

When the program starts for the first time, the *Change Settings* dialog will be displayed. You must add at least one entry to the list before you can proceed. See the section titled Changing Program Settings for more details.

***N1MMsync*** does not display an icon on the task bar, but rather puts a small icon in the system tray.

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***N1MMsync*** has 2 different operating modes:

1. **Manual Mode** – The main ***N1MMsync*** window is displayed with a ***Start*** button. N1MM is started when the button is clicked. When N1MM is closed, ***N1MMsync*** continues to run. In manual mode, the window shown in Figure 1 will be displayed.

**Figure 1 -- Main Window (Idle)**

2. **Automatic Mode** – N1MM is automatically started when ***N1MMsync*** starts, and ***N1MMsync*** is automatically closed when N1MM is closed.

In either mode, when N1MM is to be started, the sequence of operations is:

1. ***N1MMsync*** copies the N1MM data files from the shared location to the N1MM data directory. During this process, the window shown in Figure 2 is displayed.

**Figure 2 -- Main Window (Copying)**

2. ***N1MMsync*** waits until N1MM is closed. While waiting, the window shown in Figure 3 is displayed.

**Figure 3 -- Main Window (Running)**

3. ***N1MMsync*** copies the data files from the N1MM data directory back to the shared location. During this process, the window shown in Figure 4 is displayed.

**Figure 4 -- Main Window (Saving)**

## SETTING THE DISPLAY POSITION

To position the display on the screen, place the cursor over the N1MM Logo, hold the left mouse button down, and drag the display to the desired position.

## CLOSING THE PROGRAM

To close the program, display the pop-up menu and click on *Close N1MMsync*. Note: N1MM must be closed before ***N1MMsync*** can only be closed.

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## POP-UP MENU

Right-clicking on the main window or right-clicking on the system tray icon will display the pop-up menu shown in Figure 5.

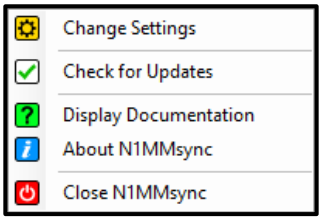


**Figure 5 -- Menu**

The menu contains the following items:

- **Change Settings** – Displays the *Change Settings* dialog.
- **Check for Updates** – Checks the K9DUR Software website to see if a newer version of ***N1MMsync*** is available.
- **Display Documentation** -- Displays the program documentation (this document).
- **About N1MMsync** -- Displays basic information about ***N1MMsync***.
- **Close N1MMsync** -- Closes ***N1MMsync***. If N1MM is running a warning message will be displayed stating that N1MM must be closed before ***N1MMsync*** can be closed.

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## CHANGING PROGRAM SETTINGS

When you select *Change Settings* from the pop-up menu, the form shown in Figure 6 will be displayed.

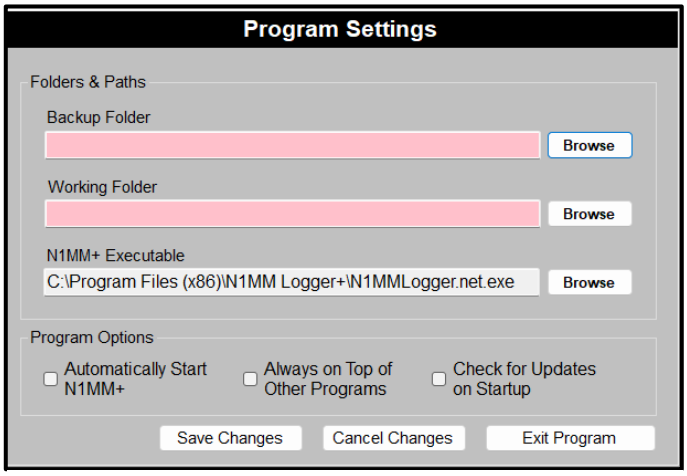


**Figure 6 – Change Settings Form**

The program settings are:

- **Backup Folder** – (Required) This is the shared location that the N1MM data files will be copied from & saved to. This must be set to a valid directory.
- **Working Folder** – (Required) This is the location where N1MM expects to find its data files. This must be set to a valid directory.
- **N1MM+ Executable** -- (Required) This is the complete path & name of the N1MM program file. It will be automatically filled in with the normal name & location of the file.
- **Automatically Start N1MM+** -- (Optional) If this item is checked, ***N1MMsync*** will operate in automatic mode. N1MM will be automatically started when ***N1MMsync*** is started, and ***N1MMsync*** will automatically close after N1MM is closed.
- **Always on Top of Other Programs** -- (Optional) If this item is checked, the ***N1MMsync*** main window will be displayed over top of any other programs.
- **Check for Updates on Startup** -- (Optional) If this item is checked, ***N1MMsync*** will check the K9DUR Software website to see if a newer version of ***N1MMsync*** is available when it starts.

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## ABOUT THE AUTHOR

***N1MMsync*** was written by Ray Andrews, K9DUR.

Ray holds an Amateur Extra class license and was first licensed in April 1960. He currently resides in West Terre Haute, IN. He is a retired electronic design engineer and software developer.

For more information, visit Ray's web page:

http://k9dur.us

## REVISION HISTORY

v1.0.0 – Apr 23, 2023 – Initial Release