

# Software System Requirements

## *Microsoft Windows 10*

Any 32-bit or 64-bit versions of Microsoft Windows 10 and equivalent is supported. It is highly recommended to install all the latest Operating System updates.

Note: with proper dependencies installed, Nomad may also function on Windows 7 SP1 or 8.1 but is not officially supported by Octave Communications. The user agrees to use Nomad at their own risk on these OS versions.

## *2GB of system memory*

4GB is recommended for multi-channel processing. Note that Nomad will exit on startup if it can't find at the least 2GB of physical system memory.

## *CPU with 4 logical cores*

Because of the performance requirements needed to record campaign data in real time, Nomad requires to be run on a PC with a CPU that has at the least 4 logical cores.

Note: Intel Celeron and Atom CPUs are not supported, but Intel dual-core CPUs with hyperthreading enabled are. Intel Haswell i3 CPU or newer is recommended.

## *1280 x 768 screen resolution*

The main display must have a width of 1280 pixels or higher, and a height of 768 pixel or higher. Note that Nomad will exit on startup if the main display resolution is lower than 1280x768.

## *Solid State Storage*

Nomad requires the use of solid state storage for the output directory for several reasons, including fast random seek times to log dozens of metrics and archive audio on up to 5 channels, and ensuring safe execution during bumpy rides in a vehicle. Because of this, the "Recording Data" feature will be disabled unless the output directory is pointing to each a storage drive.

Note: While we highly recommend the use of a SSD class drive for the laptop used with Nomad, this requirement can be circumvented by the use of a fast USB thumb drive (30MB/s or better) for the output directory on a laptop that uses a conventional disk-based storage drive, to be used are the user's own risk.

## *Application License Key*

Finally, to record campaign data with Nomad, the user will need an unexpired application license key USB dongle. Please contact Octave Communications at [support@octave.com](mailto:support@octave.com) for more information on how to acquire or extend your license.

## **Other Limitations**

Regarding the use of third-party software: the laptop included in the kit has been configured and tested to run stable for hours of campaign. The use of other software tools while Nomad is running is not recommended, as it may interfere with Nomad's ability to function properly and should be done at the risk of the user.

Regarding the use of virtual COM ports / GPS cloners: unfortunately, due to limitations in the NMEA SDK, Nomad does not support virtual COM ports. We highly recommend using a different GPS adapter for running another tool requiring a GPS unit (good) or running this tool on a separate laptops (better) to insure Nomad properly functions.

Regarding the use of a USB hub: if you require to plug in more USB devices on the kit's laptop, please make sure to use a powered hub, as some devices will not work properly with an unpowered one. The spectrum analyzer in particular is very picky about the power it gets from the USB port. If a powered USB hub ends up being used, it is recommended that the USB connector be taped to the laptop to ensure it doesn't get wanked out of the laptop while on a campaign. A little piece of tape can go a long way to eliminate that risk.