



# Instructions for Use **RNXConverter.bat**

# Introduction

The script is intended to automatically create RINEX files based on user input of:

- *Site names (Leica or Trimble sites)*
- *Start/end date of observation (dd mm yyyy)*
- *Start/end time of observation (UTC, 0000, 24H)*
- *Logging interval (in seconds)*
- *RINEX version (2/3)*
- *Navigation file (y/n)*
- *Hatanala/Compressed RINEX (y/n)*

All generated RINEX files are saved in \*.zip format



## Before use:

- Install the following to your PC:

1. Leica MDB Converter
2. Trimble Convert to Rinex
3. GFZRNX
4. rnx2crx (Hatanaka)
5. 7z

*Installers:*

<\\192.168.0.18\WorkingFiles\KnowledgeBase\Utilities\Installers>

- Do not forget to add these programs to the **PATH** variable in the ***Edit system environment variables***



## Steps:

- Copy the **RNXConverter** folder to your **C:\**<sup>1</sup>

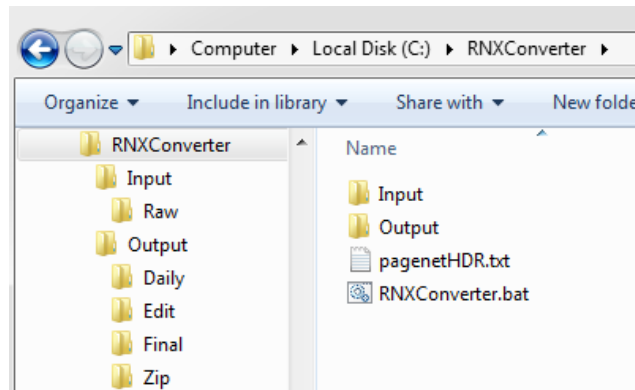
<\\192.168.0.18\WorkingFiles\KnowledgeBase\Utilities\RNXConverter>

- <sup>1</sup> You may install in a different drive, but make sure to update the file paths in the *RNXConverter.bat* script.

```
set "source=C:\RNXConverter\Input\Raw\  
set "out=C:\RNXConverter\Output\  
set "home=C:\RNXConverter\  

```

- For the program to run properly, double check that the following folders and files are present:

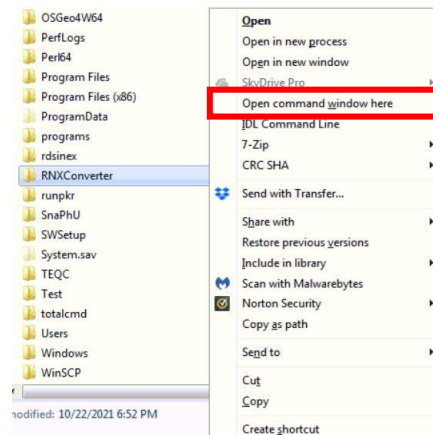


## Steps:

- Prior to using the converter, make sure the pagenetHDR.txt file is correct/updated i.e. RX/AX type and serial nos.

*Refer to the latest PageNET\_SiteInfo\*.xls file located at [\\192.168.0.15\data\PageNET\\_AGS](\\192.168.0.15\data\PageNET_AGS) for reference.*

- Shift+Right-click on the **RNXConverter** folder then click **Open command window here**



- At the command prompt, type **RNXConverter** then press **Enter**

```
C:\RNXConverter>RNXConverter
```

## Steps:

- Enter the needed information as prompted, following the format indicated in the “( )”

Leica site/s <psss>:ptag pmas	<i>small caps</i>
Trimble site/s <PSSS>:PMRU PTG0	<i>all caps</i>
Start date <dd mm yyyy>: 01 10 2021	<i>dd mm yyyy</i>
End date <dd mm yyyy>: 02 10 2021	<i>dd mm yyyy</i>
UTC start time <hhmm, 24H>: 0145	<i>hhmm (in UTC and 24H format)</i>
UTC end time <hhmm, 24H>: 0230	<i>hhmm (in UTC and 24H format)</i>
Logging interval: 15	<i>in seconds</i>
RINEX version <2/3>: 3	<i>version 2.11 or 3.03</i>
Navigation files <y/n>: y	<i>whether to include navigation files</i>
Hatanaka/compressed RINEX <y/n>: n	<i>whether to convert to Hatanaka</i>

- \* Start and End dates must be within same month
- \* Output RINEX v3 are in short filename convention

- Final RINEX products are stored in the Zip folder

**C:\RNXConverter\Output\Zip**





Questions:  
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