

## iG8: Converting RINEX3 to RINEX2

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## Description

If make a RINEX3 file on the iG3 (instead of the recommended HCN file) you can use the iGx download tool RINEX convertor to build a RINEX2 file.

## Step-by-Step

Start the iGx Download tool, select the 'Configuration' tab, set 'Show Advanced Settings' to 'Advanced':

iGx Download (B9645)		-		$\times$		
Occupations Configuration GPS Settings Log						
Check for iGx program up	es now Automatically check for iGx Download program updates					
Base Project Folder D:\Libraries\Documents\G	Projects\					
GPS Mounts on Drive D: Eind G	Update GPS Model Show Browser					
Minimum File Size to Transfer 7000 bytes Loos	7000 bytes Loosen Filename Match Version Notes					
Show UTC Time						
Default HI (S-slant F-feet) 2.000 M	]					
Default Agency IMC	Default Operator MES					
Decimate OPUS Submission to 15 seconds Defa						
Your Email marcosplata@qmail.com						
Show Advanced Settings Advanced						
PPP Service OPUS (United States)	✓ Export 8.3 First					
Utilities						
1. Undelete Occupation	2. CHCData <u>R</u> INEX Convertor					
3. Mark <u>O</u> ne GPS File 'Uni	ad" 4. Mark <u>Al</u> l GPS Files 'UnRead'					

Click the '2. CHC Data RINEX Convertor' button in the Utilities section.

## CHCData will start:





click the 'Import' button and import your RINEX 3 file:

Files Importing	
Importing file:1053805174P4.20O(1 of 1)	
Parsing data	
	Quit

after the file is imported, click on 'Setting (tab)' then 'RINEX Option General':

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Naviga	on		ųΧ	
⊡ Manā ⊨ C	agement Observation File 	e 4P4.20O g File		1

Change the defaults to those required for your application. These are appropriate for OPUS submissions:

🖳 Setting				×			
: Quality Check	$\sim$	Frequency					
<b>RINEX Option</b> Receiver Project Setting		L1/G1/B1	True	_			
		L2/G2/B2	True				
		L5/G3/B3	True				
	$\sim$	General					
		RINEX Version	2.11	_			
		Interval[s]	30				
		Split File	raise				
		Splitting Interval[s]	14400				
		Divide Obs. File by Time Interval	False				
		Check Observation Sequrence	True				
		Start Time	2020-07-05 07:38:21				
		End Time	2020-07-05 07:38:21				
	$\sim$	Observation Type					
		C(Pseudorange) True					
		L(Carrier Phase)	True				
		D(Doppler)	True				
		S(SNR)	True				
	$\sim$	Satellite System					
		GPS	True				
		GLONASS	False				
		BDS	False				
		GALILEO	False				
	RI	NEX Version					
		OK Cancel Apply To	Advance All Files ~				

Version = 2.11, Interval=30 (seconds), GLONASS, BDS, GALILEO disabled.



CHCData								-	
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Home Vie	w Setting	Function	Help						
<u>e</u>	utu Obs Sequer	nce 🙆 SNR S	ky	L					
uality RINEX	MP Sky	👪 Satelli	te Session	Combination	1				
Processing		Plotting	Ty.	Observation F	ile 🖓				
vigation	Ψ×	Observatio	n File						• ×
Manae — Obser		ID	File Name	Station	Antenna Height[m]	Height Reduced[m]	Reduce Method	Measure	То
1 4P4.	200	1	1053805174P4.2	1053805	0.126	0.1260	0.1260	Antenna P	hase C
		<							3
put 2020 1:39:09 PM file: 10 2020 1:40:47 PM file: 10	)53805174P4.200 n )53805174P4.200 n	<ul> <li>o GPS ephemeris no o GPS ephemeris no</li> </ul>	: Glonass ephemeris no Glonass ephemeris no	BDS ephemeris no BDS ephemeris no	Galileo ephemeris Galileo ephemeris				ф >
put 2020 1:39:09 PM file: 10 2020 1:40:47 PM file: 10	)53805174P4.200 n )53805174P4.200 n	o GPS ephemeris no o GPS ephemeris no	Glonass ephemeris no Glonass ephemeris no	BDS ephemeris no BDS ephemeris no	Galileo ephemeris Galileo ephemeris				<u>د</u> ب ک

Go to the 'Function (tab)' then click on 'RINEX Convert':

The file will be converted to RINEX 2.11.

**IMPORTANT**: After you do the conversion, set the defaults for RINEX conversion back to what they were or all subsequent downloads will have your new defaults! Here is how the default configuration looks:

···· Quality Check	V Frequency	Frequency			
RINEX Option	L1/G1/B1	True			
Receiver	L2/G2/B2	True			
Project Setting	L5/G3/B3	True			
	V General	General			
	RINEX Version	2.11			
	Interval[s]	0			
	Split File	False			
	Splitting Interval[s]	14400			
	Divide Obs. File by Time Inte	rval False			
	Check Observation Sequren	ce True			
	Start Time	2020-07-05 07:48:06			
	End Time	2020-07-05 07:48:06			
	<ul> <li>Observation Type</li> </ul>	Observation Type			
	C(Pseudorange)	True			
	L(Carrier Phase)	True			
	D(Doppler)	True			
	S(SNR)	True			
	✓ Satellite System				
	GPS	True			
	GLONASS	True			
	BDS	True			
	GALILEO	True			
	RINEX Version				

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