

iG8: HCN or RINEX?

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Synopsis

The iG8 receiver can record HCN files or RINEX files. Which should you use? Is or the other better?

If you are using the iGage iGx download tool, one of the eight recording bins should be set to HCN. The iGx download tool only looks for .HCN files. At a minimum you should record at a 5 Hz rate.

If you want to use 3rd-Party tools, enabling one bin to directly record RINEX will simplify your file processing.

Notes

The latest Windows based RINEX convertor should be available at:

https://x9gps.com/Tools/Utilities/HCNtoRINEX/index.html

Choose the folder with the highest version number.

For the IGAGE IG8 and CHC i80 receivers, the .HCN file is actually a Trimble DAT file

Details

From the web interface, choose 'Data Recording' on the left hand panel:

192.168.1.1/pc/inc	dex.htm	×						NUERS	-		×
\leftarrow \rightarrow C (i) 192	2.168.1	I.1/pc/index.html?param	1=HC_PRODUCT_MO	DEL_180¶m2=true	e¶m3=true&pa	ram4=false¶m5=true	e¶m6=true¶m7=f	als Q	☆	🔍 🛛	1 E
Gage						SN:1013101	F			Quit English	~
Status	*	Log Sottings									
Satellites	*	Log settings							_		
Receiver Configuration	*										
Data Recording	\sim	Store Into	Desition		T-1-1 Ct		Otana Anno 1444				
Contract of the second se		Position			10tal Storage		Storage Available				
Log Settings		Internal Storage Description			29/10/1B		29313MB				
C FTP Push Settings			skiemai storage		UNID		UNID				
🔲 Data Download		Attention: Total a Record Info	ssigned storage size	e of 8 threads should 1	be less than 27GB.	It will stop recording w	when the storage is full.				
										Clear /	A11
		Recording Number	File Name	Activated	Log Status	Setting Parameter	Switch	CI	ear Da	ita	
		1	record1	Yes	Recording	Modify Detail	<u>ON OFF</u>		<u>Clear</u>		
		2	record2	No	Not Recording	Modify Detail	<u>ON OFF</u>		<u>Clear</u>		
		3	record3	No	Not Recording	Modify Detail	ONOFF		Clear		
		4	record4	No	Not Recording	Modify Detail	ONOFF		<u>Clear</u>		
		5	record5	No	Not Recording	Modify Detail	ONOFF		<u>Clear</u>		
I/O Settings	*	6	record6	No	Not Recording	Modify Detail	<u>ON OFF</u>		<u>Clear</u>		
Network Setting	*	7	record7	No	Not Recording	Modify Detail	<u>ON OFF</u>		<u>Clear</u>		
Module Setting	*	8	record8	No	Not Recording	Modify Detail	<u>ON OFF</u>		<u>Clear</u>		
Firmware	*										
Cloud Service Setting	*										

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You must switch recording OFF to edit the settings with the Modify settings. The defaults for 'Recording 1' are shown here:

Auto Record:	• Yes O No			
Sample Interval:	1Hz ~ 10 1440 1001 0.0000			
Elevation Mask:			(°) (Minute)	
Duration Time:				
Site Name:				
Antenna Height:				
Measure Way:	Vertical Height	~ ~		
Storage Format:	HCN			
RINEX Version:	OFF	~		
	Advar	nced		
	🛃 Save	œ E	Back	

If you plan on using the iGage iGx download tool, we strongly recommend not changing recording channel 1. Instead, modify recording channel 2. You can select 2.11 or 3.02 RINEX compatible files:

Auto Record.	• Yes • No		
Sample Interval:	1Hz	~	
Elevation Mask:	10 1440 1021698		(°) (Minute)
Duration Time:			
Site Name:			
Antenna Height:	0.0000		
Measure Way:	Slant Height	~	
Storage Format:	OFF	~	
RINEX Version:	OFF	~	
	OFF		
	3.02		
	2.11		lack

To best avail your post-processing success with BeiDou, Galileo, L2C and L5 corrections you should choose RINEX Version = 3.02.

After setting the channel, use the ON button to start recording. If you want the receiver to record automatically for all future starts, check 'Auto Record'.