

iG & CHC Smart GNSS Receivers: Continuous Observation Recording

20 May 2024

Applicable to i80, i70, i90, iG5, iG8, iG9, i73, i93. This FAQ does not apply to the iG10 receiver.

Observation files are limited to 24 hours (1,440 minutes). Continuous recording allows multiple end-to-end files to be collected.

Log into the device web interface. (Wi-Fi password if needed: 12345678; Web console user user, password password) Click on Data Recording, Log Settings:

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🗊 Status
💦 Satellites
X Receiver Configuration
🗉 Data Recording
▶ Log Settings
Log Settings FTP Push Settings

These are the settings for making 10-minute-long files:

Integral Point Store: Yes No Observer: MES Circulating Memory: Yes No Observer: IGA Repeat Yes No Observations: Yes No Observations. FTP Push: Close Cl	Auto Record: 💿 Yes 🔿 No	Antenna Height: 2.0000
Duration Time: 10 RINEX Version: OFF Minute) Advanced Site Name: IGRT Start Date: Yes No Apply Time: Yes No Assigned Storage: 6000 (MB) Observer: MES Observer: GGA Close 1:ftp server 1 2:ftp server 2 	Sample Interval: 1Hz	Measure Way: Vertical Height 🔍
Duration Time: (Minute) Site Name: IGRT Start Date: Yes No Apply Time: Yes No Assigned Storage: 6000 (MB) Observer: MES Observations: Yes No Observations: Yes No Observations: Yes No Close 1:ftp server 1 2:ftp server 2 	Elevation Mask: 0 (°)	Storage Format: HCN
Site Name: IGRT Start Date: Yes No Apply Time: Yes No Apply Time: Yes No Apply Time: Yes No Circulating Memory: Yes No Circulating Memory: Yes No Repeat Yes No Observer: MES Observer: IGA Circulation: Yes No Circulation: Yes	Duration Time:	
Apply Time: Yes No Assigned Storage: 6000 (MB) Integral Point Store: Yes No Observer: MES Circulating Memory: Yes No Observer: MES Observer Agency: IGA Repeat Observations: Yes No Observations. FTP Push: Close	Site Name: IGRT	Advanced
ntegral Point Store: Yes No Observer: MES Circulating Memory: Yes No Observer: MES Circulating Memory: Yes No a data overwritten first file after storage space is full Repeat Observations: Yes No Urr on to record a single observation. Turn off to record repeated observations. FTP Push: FTP Push: Circulation State St	Start Date: 🔿 Yes 💿 No	Store Location: Internal Storage
Circulating Memory: Yes No Observe Agency: IGA Observe Agency: IGA Close Observations: Yes No Observations: FTP Push: Circulating Close C	Apply Time: 🔿 Yes 💿 No	Assigned Storage: 6000 (MB)
he data overwritten first file after storage space is full Repeat Observations: Yes No Close 1:ftp server 1 2:ftp server 2	ntegral Point Store: 🔿 Yes 💿 No	Observer: MES
Observations: Yes NO furm on to record a single observation. Turn off to record repeated observations. FTP Push: 1:ftp server 1 2:ftp server 2		Observe Agency: IGA
3.1tp server 3	Observations: Offes Offo	ETP Pueb: 0 1:ftp server 1

Note that the title **Repeat Observations** is misleading, the title should be **Single Observations**. Set this to **No** to enable multiple observation files.



If you would like to combine multiple files into a single observation file, you can use CHC Data (available from iGx Download > Configuration (tab) > Show Advanced Settings = Expert > Utilities (group) > CHC Data (RINEX 2 or 3):

1. Undelete Occupation(s)	2. CHCData <u>R</u> INEX2 RINEX3 converter
3. Mark <u>G</u> PS File(s) 'UnRead'	
5. Launch OPUS Upload tool	6. Force (re-)deploy CHCData converters

Use the:

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Import
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Button to load all of the end-to-end files to concatenate, use Setting > General > RINEX Option:

	Bluetooth Session e S Antenna Antenna Setting Management Antenna	×	
	# × Observation File		
ent	💀 Setting		
	: Quality Check	✓ Frequency	
	- RINEX Option	L1/G1/B1	True
	Receiver	L2/G2/B2	True
	Project Setting	L5/G3/B3/E5a	True
		E5b	True
		B1c	True
		B2a	True
		B2b	True
		✓ General	
		RINEX Version	3.05
		Interval[s]	30
		Split File	False
		Splitting Interval[s]	3600
		Divide Obs. File by Time Inter Check Observation Segurence	
		Start Time	2021-04-25 04:57:42
		End Time	2021-04-25 04:57:42
		V Observation Type	2021-04-23 04:37:42
		C(Pseudorange)	True
		L(Carrier Phase)	True
		D(Doppler)	True
		S(SNR)	True
		✓ Satellite System	
		GPS	True
		GLONASS	False
		BDS	False
		GALILEO	False
		RINEX Version	

to enable constellations (Satellite System), decimate (Intervals) and Split files as needed.