

# FAQ GMSplus Configuration Backup and Restore

## 1. Introduction

• This procedure describes how to store a backup of GMSplus configuration and how to restore configuration from a file.

### 2. Required Tools

- GMSplus
- Computer with access to GMSplus

### 3. Backup GMSplus Configuration

• A backup of GMSplus configuration can either be taken from GeoDAS (3.1), through the webinterface (3.2) or from GMSplus SD-card (3.3)

#### 3.1 Backup from GeoDAS

• In GeoDAS window Stations: General Information, right-click on the station and choose Instrument Control... -> Request Recorder Configuration -> [Send]

Communicatio	on Interface - EC	833	×
Action or a com	mand	Request a File	▼ Send
Attachment		Request a File Request Configuration Menu Options	
Send uncor	ditionally	Request Recorder Configuration	
Requests a file	from the instrume	Reset Error State Reset Trim Table Send a Bequest	
User request	GETEVT	Send a Script	MM-DD HH:MM:SS N
Requests N se	conds of ringbuffe	Send an Upgrade Send Binary Network Configuration Send Network Configuration Send Recorder Configuration Update Message Forwarding	18

- A .xml file with the station code will be uploaded to the config folder of your GeoDAS directory (C:\GeoDAS\_DATA\Config\)
- Make sure the modification date is matching with the current date

C:\GeoDAS_DATA\Config			
Name	Date modified	Туре	
EC833.xml	20.06.2023 15:50	XML File	

• Copy the .xml file to your desired directory (its name can be changed, e.g. by adding a date stamp)

W EC833\_20230620.xml 20.06.2023 15:50 XML File

# 3.2 Backup from Webinterface

• Open your webbrowser, enter the IP address of your GMSplus and login as admin (default password 123456)

G GeoSIG Ltd Web Interface × +	~ - 🗆 X
← → C ▲ Not secure   192.168.100.12	여 🖻 🛧 🖬 🐨 🗄
G	and C.
swis	s made to measure
Р	lease fill in your Credentials:
	Usemame: admin
	Password:
	10911

- Choose tab Configuration -> Configuration Manager
- Click Current user Configuration to download the configuration file

Home	Configuration	Status and Maintenar	ce Data Explore	r Help	Logout		GeoSIG
Data Acqu	isition Co	nfiguration Manager	Network Web	Interface			
Configura	ation File Name	Last	Nodified	Comment			
Current U	lser Configuratio	on Wed J	un 7 21:21:00 2023	Latest available	user configuration		
Current S	ystem Configurati	on Sun Ji	un 18 14:20:57 2023	Currently used sy	stem-verified configurati	on	
	Co	py Rename Delete	Make Current	Reset to Defau	It Make Default	Comment	
Uploadi	ng Configurat	ion Files	_	_	_	_	
Choose	file No file cho	osen					
Unload	Configuration						
opioud	Comgulation						
Device type:	GMSplus	Device date and time:	Tue Jun 20 14:00:55 2	2023	Device State Summ	nary 📈 🛛	Context Help
Serial numbe Station code:	r: 102833 GS.GSGMS	Station description:	GMSplus (6ch) - Geo	SIG Ltd			•

- A file named config.xml will be downloaded
  Copy the .xml file to your desired directory (its name can be changed, e.g. by adding a station code and date stamp)

## 3.3 Backup from SD-Card

• Turn off the recorder by pressing the power button for 3 seconds



- Wait until the RUN LED stops flashing
- Remove the SD card from its slot (push to release)



- Insert the SD card in your PC's card slot
- Windows cannot detect all partitions on the SD card, so it may ask you to format the card: **PLEASE DO NOT FORMAT THE CARD, OTHERWISE ALL RECORDED DATA WILL BE LOST!**



- Press **[Cancel]** if the above message appears
- The SD card should appear as drive named with the serial number of the recorder



• Copy the file **config.xml** to your desired directory

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~ 🖬			
Name	Date modified	Туре	Size
📕 Data	26.04.2023 16:07	File folder	
FromServer	23.10.2020 07:55	File folder	
Incoming	14.04.2023 02:27	File folder	
Logfiles	26.04.2023 16:08	File folder	
Outgoing	27.03.2023 15:06	File folder	
Ringbuffers	26.04.2023 16:07	File folder	
System	23.10.2020 07:56	File folder	
TempDas	26.04.2023 16:07	File folder	
tmpConfig	01.03.2021 15:47	File folder	
ToServer	23.10.2020 07:55	File folder	
wttmp	14.07.2022 13:10	File folder	
Config.mnu	26.04.2023 16:05	MNU File	60 KB
📓 config.xml	25.04.2023 16:12	XML File	36 KB
🕍 config_sys.xml	26.04.2023 16:05	XML File	36 KB
🗋 gsiafw.bin	14.07.2022 13:06	BIN File	2'669 KB
e network.conf	26.04.2023 16:04	Viscosity Connecti	1 KB
network_sys.bnc	26.04.2023 16:04	BNC File	1 KB
params.bin	26.04.2023 16:14	BIN File	3 KB
Websoh.xml	26.04.2023 16:14	XML File	4 KB

- You can change the name of the backup file, e.g. by adding a station code and date stamp
- Safely remove the drive (Right-click -> Eject)

132305 (L:)	Open	
6.31 GB free of 7.14 GB	Open in new window	
	Pin to Quick access	
	Turn BitLocker on	
	Scan with Microsoft Defender	
	Give access to	>
	Open as Portable Device	
	7-Zip	>
	CRC SHA	>
	Include in library	>
	Pin to Start	
	Format	
	Eject	
	Cut	
	Сору	
	Create shortcut	
	Rename	
	Properties	

• Insert the SD card back in the recorder's card slot and turn it on by pressing the power button

#### 4. Restore GMSplus Configuration from Backup

- The process will overwrite the current settings! Make sure you have stored a backup of the current configuration (see steps under 3.)
- A backup file can either be sent from GeoDAS (4.1), through the webinterface (4.2) or by putting the file on the SD-card (4.3)

## 4.1 Restore from GeoDAS

- In GeoDAS window Stations: General Information, right-click on the station and choose Instrument Control... -> Send Recorder Configuration
- Click the button [...] to browse to the backup file (.xml) and send the file to the GMSplus clicking the button [Send]

Action or a comman	ıd	Send Recor	rder Configuration	·	Send
Attachment		C:\GeoDAS	_DATA\Config\EC8	333_20230620.xml	~
Send unconditio	nally				~
	nfiguration fi	le			
Sends selected cor					

• GMSplus will restart to apply the new configuration

# 4.2 Restore from Webinterface

• Open your webbrowser, enter the IP address of your GMSplus and login as admin (default password 123456)

GeoSIG Ltd Web Interface × +	~	- 🗆 ×
← → C ▲ Not secure   192.168.100.12	• 🖻 🕁	* 🗆 💿 E
	GeoSiG wiss made to measure Please fill in your Credentials: Username: admin Password: Iogin	
		•

- Choose tab Configuration -> Configuration Manager
- Click the button [Choose file] to browse to the backup configuration file (.xml) and send it to the GMSplus clicking the button [Upload Configuration]

Home	Configuration	Status and Maintenand	e Data Explore	Help	Logout		GeoSI swiss made to mean	G www.
Data Acc	uisition Conf	figuration Manager	Network Web	Interface				
Configu	ration File Name	Last M	odified	Comment				
Current	User Configuration	1 Wed Ju	in 7 21:21:00 2023	Latest available	user configuration			
Current	System Configuration	n Sun Jui	18 14:20:57 2023	Currently used s	ystem-verified configuration			
	Copy	y Rename Delete	Make Current	Reset to Defa	ult Make Default	Comment		
Uploa	ding Configuratio	on Files						
Choo	se file EC833_202	230620.xml						
	d Canfingentian							
Upioa	d Configuration							
Ready	to upload							
Device type Serial numb Station cod	: GMSplus E per: 102833 S e: GS.GSGMS	Device date and time:	Tue Jun 20 14:02:42 2 GMSplus (6ch) - Geos	023 SIG Ltd	Device State Summa	ry 🔽	Context Help	1

• Choose the uploaded configuration file from the list and click [Make Current]

Home	Configuration	Status and Maintenar	nce Data Explorer	Help	Logout		Swiss made to measure W MAR
Data Acq	uisition Con	figuration Manager	Network Web	Interface			
Configu Current	ration File Name User Configuration System Configuratio 20230620.xml Cop	Last I Wed J In Sun J Tue J Iny Rename Delete	Modified Jun 7 21:21:00 2023 un 18 14:20:57 2023 un 20 14:03:47 2023 Make Current	Comment Latest available Currently used s Created by Web Reset to Defa	user configuration vstem-verified configurat v <b>GUI version 1.13</b> ult Make Default	tion Comment	
Upload Choos Upload	ting Configuration	on Files sen					
Device type Serial numb Station code	: GMSplus er: 102833 e: GS.GSGMS	Device date and time: Station description:	Tue Jun 20 14:04:05 2 GMSplus (6ch) - GeoS	023 SIG Ltd	Device State Sum	mary 🔽	Context Help 👔

• Confirm with **[OK]** to apply the new configuration, GMSplus will restart

Changing current configuration	
Please confirm using selected configuration EC833_20230620.xml as current configuration. The de restarted.	vice will be

## 4.3 Restore from SD-Card

• Turn off the recorder by pressing the power button for 3 seconds



- Wait until the **RUN** LED stops flashingRemove the SD card from its slot (push to release)



- Insert the SD card in your PC's card slot
- Windows cannot detect all partitions on the SD card, so it may ask you to format the card: **PLEASE DO NOT FORMAT THE CARD, OTHERWISE ALL RECORDED DATA WILL BE LOST!**

E Microsoft Windows		×
You need to format t you can use it.	the disk in drive l	R: before
Do you want to format it?		
	Format disk	Cancel

- Press [Cancel] if the above message appears
- The SD card should appear as drive named with the serial number of the recorder



- It is recommended to backup all stored data on the SD-card before continuing with further steps
- Rename the backup file to config.xml



• Copy the file to the SD-card, replacing the present config.xml

Name	Date modified	Type	Size
		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Data	26.04.2023 16:07	File folder	
FromServer	23.10.2020 07:55	File folder	
Incoming	14.04.2023 02:27	File folder	
Logfiles	26.04.2023 16:08	File folder	
Outgoing	27.03.2023 15:06	File folder	
Ringbuffers	26.04.2023 16:07	File folder	
System	23.10.2020 07:56	File folder	
TempDas	26.04.2023 16:07	File folder	
tmpConfig	01.03.2021 15:47	File folder	
ToServer	23.10.2020 07:55	File folder	
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params.bin	26.04.2023 16:14	BIN File	3 KB
📓 websoh.xml	26.04.2023 16:14	XML File	4 KB

# • Safely remove the drive (Right-click -> Eject)



• Insert the SD card back in the recorder's card slot and turn it on pressing the power button