

# FAQ GeoDAS Messenger SMS Setup Modem

## 1. Introduction

• This procedure describes how to setup GeoDAS to send SMS notifications through a serial modem

### 2. Required Tools

- GeoDAS (V2.40 or newer) installed on Windows Computer
- Serial modem with SIM card, accessible on Windows COM port Use of SIMCom SIM5216 or SIM7600 is recommended, but other modems may work as well.



#### 3. Create List of SMS Recipients

- The list of recipients is a text file with phone numbers of SMS recipients.
- Open a text editor such as Windows Notepad.
- Enter the SMS recipients, one line per recipient with the country code and phone number The sample below represents a Swiss phone number (country code +41):



#### • Safe the file with extension .phn (not .txt!)

Save As	×
$\leftarrow$ $\rightarrow$ $\checkmark$ $\uparrow$ is the computer in the computer is the comput	・  ひ 、 の Search Computer
Organise 🝷	
FAQ_GXR-GPS-4: <ul> <li>Folders (7)</li> <li>pictures_original</li> <li>Support_Tipps</li> <li>3D Objects</li> </ul>	Desktop
>  OneDrive  Computer  Documents	Downloads
S > 3D Objects     Ark (PALAESTRA     Desktop	Pictures
File name: sms_recipients.phn Save as type: Text Documents (*.txt)	~
∧ Hide Folders	Encoding: UTF-8 V Save Cancel

#### 4. Find COM port of modem in Windows

- In Windows under Device Manager-> Ports (COM & LPT), a SIMCOM modem will appear as SimTech
- If the device doesn't show or shows as UNKNOWN or appears under "Other Devices" with yellow exclamation mark, the correct driver may need to be installed. Driver vor SIMcom SIM7600: <u>https://www.dropbox.com/scl/fi/ctp15mccks1cypnoiy88s/Windows10\_Driver.zip?</u> <u>rlkey=d3iaa4vo7pjnkm9yji1aejngh&dl=0</u>



• Remember the COM port

#### 5. Configure the modem in GeoDAS

• In GeoDAS under **Settings-> Messenger**, tick the box **SMS service using cellular modem at** and choose the COM port of the modem and its baud rate from the dropdown.

<ul> <li>SMS service using cellular modem at</li> </ul>	t COM4: 💌 Baud rate	115200 💌
	Network SMS are disabled	Configure
E-mail service using the interface	SMTP Server	Settings
	Network emails are disabled	Configure
Miscellaneous	1022	
Email the system Loghie protocol dai	lý to	
Scan for SMS delivered by another a	pplication to the local directory	

• Close the window with [OK] and restart GeoDAS.

#### 6. Setup Notifications and Messages in GeoDAS

• In GeoDAS window Stations: General Information, right-click on a station and choose Status Info...

i) Statio	ons: General Information	tion		×
Station EC	Event Manager More Information. Instrument Setup Disable File Opera Delete All Files Batch Multi-Setup. Clean Batch Queue Clean SMS Queue Cancel Pending Re Confirm New Even Instrument Control Network Tunnels Configure Stations Export Configurati Update Coordinate	C tions quests ts l on es tion	GMSplus 102833	
	Status Info Assign Tag			
<				>

• Tick the boxes of the corresponding notification types you want to receive SMS for.

ation Information Setup							
System Status							
Generate a report containir	ng the cur	rrent sta	tus of s	tations	every 1	day(s) at	22:00
Generate status of data	astreams,	if any		Г	Generate status of	communicatio	n channels
Messages and Notifications	;						
Notification type	SMS	Pop-up	Signal	E-mail	Attachment	Message pre	fix (optional)
Periodical status report				Г	🔽 List of errors		
Instrument errors		Г	Γ	Г			
Instrument warnings		Г	Г	Г			
Triggered events		Г		Г			
New event files		Г	Г	Г	🔽 List of events		
Errors, warnings and trigge files or network messages.	ers are re Please e	ported I nsure th	by GMS at the i	and nev related f	ver instruments thro unctionality is enable	ugh state of he ed and configu	ealth (SOH) red correctly.
List of SMS recipients	C:\(	Jsers\ws	stauffac	her\Des	ktop\sms_recipients	.phn	
List of e-mail recipients							
Miscellaneous			1000				
Miscellaneous	on inform	ation in	the dir	ectory	ļ		

- Click the button  $\circlectcolor{1...]}$  to browse to the .phn file with the SMS recipients.

system Status						
Generate a report containir	ig the cu	rrent sta	tus of s	tations	every 1	day(s) at 22:00
Generate status of data	streams	, if any		Г	Generate status of	communication channels
Messages and Notifications						
Notification type	SMS	Pop-up	Signal	E-mail	Attachment	Message prefix (optional)
Periodical status report				Г	✓ List of errors	
Instrument errors		Г	Г	Г		
Instrument warnings		Г	Г	Г		
Triggered events			Г	Г		
New event files	~	Г		Г	🔽 List of events	
Errors, warnings and trigge files or network messages. List of SMS recipients List of e-mail recipients	Please e	ported b nsure th Jsers\ws	by GMS nat the r stauffac	and nev related f her\Des	ver instruments thro functionality is enable ktop\sms_recipients	ugh state of health (SOH) ed and configured correctly.
Miscellaneous	·					
			the dire	actory		

• Close the window with **[OK]** and restart GeoDAS.

## 7. Test

- Create an event on an instrument and check if the SMS is sent to the recipients in the list.
- The process is also logged in GeoDAS Logfile



### 8. Examples of Notification Types

Periodical status report

GeoDAS ICHO-A Status1: St=15, Err=6(St:6)00000008014, Wrn=10(St:7)0000200C2001, NoAC=1, Files=2799(2197) 9:20

• Instrument errors

GeoDAS at ICHO-A. Station GS013: new error flags = <u>0x00000008000</u> - Backup battery voltage is critically low

9:13

• Instrument warnings

GeoDAS at ICHO-A. Station ST002: new warning flags = 0x000000C2000 - 1PPS Present - Update from GPS - Backup Voltage 9:10

• Triggered events



## New event files



GeoDAS new events: GS0<u>13:1</u> ST0<u>01:36</u>8 ST0<u>02:27</u>9 (STA01§20220308§173843)

9:03