

FAQ GMSplus Set RTC Time from Recorder Serial Console

1. Introduction

• This procedure describes how to set the time of the GMSplus realtime clock (RTC) manually.

2. Required Tools

- GMSplus
- Computer, connected to Recorder Serial Console with ucon
 <u>https://www.geosig.com/files/FAQ_GMSplus_How_to_Connect_Serial_Console_with_uCon.pdf</u>

3. Set RTC Time

• In the main menu, select [H] to set RTC time

🗞 uCon						-		×
File Edit \	view Config	Logging Sc	ripts Server	rs Transfer	uMon Help			
2				2				
F2	F3	F4	F5	F6	F7	F8		F9
B1	B3	85	87	89	B11	B13		-B15
B2	B4	86	88	B10	B12	B14		B16
S - Shell L - List S - Displ V - Clear F - View/ F - File G - View A - View A - Uiew A - View A - Set R J - Oser R - Resta Q - Quit	conmand firnware network 1 ay errors errors a reset RTO statistic RTC statu Alarm sta GPS info TC time request rt	images tunnels s (0) and w and warning: C trim value cs us atus rmation	arnings (s es	8)				
LINK 192.168	.100.12 TI	ELNET SRVR OFF	MYIP: 19	2.168.100.11	ROW/COL: 21/71	XFER: Idl	le	

• Enter the time in format **YYMMDDHHMMSS** and confirm with **[Enter]** The sample below is for a time of 18:45:00 on January 19th of 2024

🐮 uCon					-	- 0	×
File Edit	View	Config Lo	gging Sci	ripts Serve	ers Transfe	r uMon	Help
		01			8		
F2	F3	F4	F5	F6	F7	F8	F9
B1	B3	85	B7	89	B11	B13	B15
B2	84	86	B8	B10	B12	B14	B16
L - List N - List X - Disp W - Clea F - View G - View A - View A - View A - View A - View A - View H - Set U - User R - Rest Q - Quit H	firmw netwo olay er ar erro v/reset stati v RTC s v Alarm v GPS i RTC ti r reque tart t c e & tim	are imag rk tunne rors (0) rs and w RTC tri stics tatus tatus status nformati me st	es ls and wa arnings m value on OHHMMSS	rnings (s): <mark>24011</mark>	0) 9184500		
PLINK 192.1	168.100.1	TELNET SRVR	OF MYIP:	192.168.1(F	ROW/COL: 2	XFER: Idl	e //

 When entering the time, it may happen that log messages are written into your input. If this happens, just continue your input and confirm with [Enter] The input may be split over several lines as below

File Edit View Config Logging Scripts Servers Transfer File Statistics File St	uMon F8 B13 B14	Help F9 B15 B16
File Edit View Config Logging Scripts Servers Transfer -F2F3F4F5F6F7- -B1B3B5B7B9B11- -B2B4B6B8B10B12- Main menu: C - Configuration M - Messages -> S - Shell command L - List firmware images N - List network tunnels X - Display errors (0) and warnings (0) W - Clear errors and warnings F - View/reset RTC trim values T - File statistics G - View RTC status 0 - Uiew RTC status	uMon F8 B13 B14	Help F9 B15 B16
F2 F3 F4 F5 F6 F7 B1 B3 B5 B7 B9 B11 B2 B4 B6 B8 B10 B12 Main menu: C - Configuration M - Messages -> S Shell command L - List firmware images N - List network tunnels X - Display errors (0) and warnings F Wreset RTC trim values T - File statistics G Wreset RTC status 0 - Wiew RTC status 0 Wreset status	F8 B13 B14	F9 B15 B16
F2- F3- F4- F5- F6- F7- B1- B3- B5- B7- B9- B11- B2- B4- B6- B8- B10- B12- Main menu: C - Configuration M - Messages -> S - Shell command L - List firmware images N - List network tunnels X - Display errors (0) and warnings F - View/reset RTC trim values T - File statistics G View RTC status 0 - View RTC status 0	F8 B13 B14	F9 B15 B16 ^
B1- B3- B5- B7- B9- B11- B2- B4- B6- B8- B10- B12- Main menu:	B13 B14	B15 B16
B2B4B6B8B10B12 Main menu: C - Configuration M - Messages -> S - Shell command L - List firmware images N - List network tunnels X - Display errors (0) and warnings (0) W - Clear errors and warnings F - View/reset RTC trim values T - File statistics G - View RTC status	B14	B16
Main menu: C - Configuration M - Messages -> S - Shell command L - List firmware images N - List network tunnels X - Display errors (0) and warnings (0) W - Clear errors and warnings F - View/reset RTC trim values T - File statistics G - View RTC status - View RTC status		^
P - View Harm Status P - View GPS information H - Set RTC time U - User request R - Restart Q - Quit H New date & time (YYMMDDHHMMSS): 2401 8:45:38.7 192.168.100.11: no new files 19184500	759 Se	rver

 GMSplus will adapt its time to the new setting, it will close the old ringbuffer recording (RBF) and open a new one with the new time setting. This process may take a few seconds.

4. Check RTC Time

• In the main menu, select **[G]** to see the current RTC time

File Edit Vie File E	ew Config 	g Loggin F4 B5 B6 3 versi	Script	- F6 - B9 B10 12.29	ers Trans F7 B11 B12	F8 B13 B14	Help F9 B15 B16
F2 F B1 F B2 F GMSplus s/ Main menu: C - Config M - Messag S - Shell L - List f	73 70 10283 70 10283 70 juration 70 jes -> 70 command	F4 F4	•F5 -B7 -B8 ion 21.	F6 89 810 12.29	F7 B11 B12	F8 B13 B14	F9 B15 B16
F2F B1E B2E GMSplus s/ Main menu: C - Config M - Messag S - Shell L - List f	-3 33 34 10283 10285 100	F4 B5 B6 3 versi	-65 -87 -88 ion 21.	F6 89 810 12.29	F7 B11 B12	F8 B13 B14	F9 815 816
B1{ B2{ GMSplus s/ Main menu: C - Config M - Messag S - Shell L - List f	33 34 7n 10283 : juration jes -> command	85 86 3 versi	87 88 Lon 21.	89 810 12.29	B11 B12	B13 B14	815 816 ^
-B2	34 'n 10283 : juration jes -> command	86 3 versi	88 Lon 21.	B10 12.29	B12	B14	B16 ^
GMSplus s/ Main menu: C - Config M - Messag S - Shell L - List f	'n 10283 juration jes -> command	3 versi	ion 21.	12.29			^
N - List n X - Displa W - Clear F - View/r T - File s G - View R H - Olew R H - Olew R H - Set RT U - User r R - Restar Q - Quit	irmware etwork y errors eset RT tatisti TC stat IATW SC PS info C time equest t	images tunnels s (0) a and war C trim cs atus rmation	5 5 rnings values	nings	(8)		~

• Under Current RTC Local Time, the time will be shown in format YYYY.MM.DD HH:MM:SS.ms

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uCon 🙀					-	- 0	×
File Edit	View C	onfig Lo	gging Scr	ripts Serve	ers Transfe	er uMon	Help
2		02			8		
F2	F3	F4	F5	F6	F7	F8	F9
B1	B3	85	B7	B9	B11	B13	B15
B2	84	B6	B8	B10	B12	B14	B16
Current RTC Stat Source Status PulseDe Sourcel	RTC Loc tus: ="RTC" ="Frozen etected= Valid="F	al Time "False" alse"	2024.1	01.19 18	3:45:15.	562	
LastLoo LastLoo '3" Status 18:45:19 9376 by	ck="3h+" ckTime=" Register 5.966 Up tes)>	2024-01 s="12 4 loaded 192.16	-29T17: 0 00 11 RBF_1020 8.100.1	30:12.08 00" 833_2024 1	82" Clo 0119_18	ckDriftF 4510.msc	Rate=
18:45:19 3_20240	5.969 Fi 119_1845	le /med 10.msd	1a/mmcb deleted	after t	ngbuffe ransmis	rs/RBF_1 sion	10283
18:45:10	6.271 Up	loaded	1 file(s) to th	ne serve	r 192.10	58.10 ~
PLINK 192.	168.100.1 T	ELNET SRVF	OF MYIP:	192.168.1(F	ROW/COL: 2	2" XFER: Idl	e //

• If the new time has not been taken, repeat from step 3. and check if the backup battery voltage is still good (See FAQ's Maintenance Guideline for more information)