

GCT IR LINK - Single Gas Clip [ver 1.3.0.2]

GCT IR Link Software Quick Reference Guide V 2.0

Getting started: In order to interact with an SGC or SGC Plus make sure to have the IR Link plugged into the computer. Place the detector face down at least 2 inches in front of the IR Reader, with the top side facing the IR Reader. Then click "Read Device" if the read was successful users will see a green bar at the bottom of the screen.

Changing Settings

Both the SGC and SGC Plus units allow users to change the following fields, below is a brief description of each field and change:

High Alarm/Low Alarm Set Points: Adjust the high/low alarm set point. Note: Ensure alarm set points are in compliance with local/site guidelines.

Bump Interval: Users can set a bump test interval. If a unit has not been bump tested within the selected time frame, the unit will alert the user by flashing "bUP" across the screen and flashing the LED's, alternating every 5 seconds. These alerts will continue until the unit has been tested either manually or via the Clip Dock Docking Station.

User ID: Users can program a unique electronic user ID into each unit. User ID's can contain a maximum of 6 total characters. Note: Some alphabetic characters do not display well.

Self Test Interval: By default all SGC and

SGC Plus instruments have a default 20 hour Self Test interval. Self Test intervals can be set anywhere from 8 to 20 hours.

Hide bump due LED Flashing: If users prefer to not have the units flash when due for a bump test, please make sure to check this box.

Display Options:

Sensor/Life Remaining: This is the default setting for all units. In normal operation the unit will display the life remaining. Once the unit starts to sense gas, the unit will display the gas concentration detected.



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Life Remaining: When this option is selected the unit will always display life remaining. When gas is detected, the unit will go into alarm however the concentration will not be displayed.

Sensor Reading: This will turn the monitor into a real time ppm display monitor. Life remaining will not be displayed.

Users need to click on the Write Device button in order to make the changes in the instrument. If a successful write has occurred, users will see a green bar at the bottom.

Firmware Upgrade Instructions:

Both the SGC and SGC Plus units allow for firmware upgrades to occur during the lifetime of the unit. Most firmware upgrades are not required unless notified by Gas Clip Technologies (GCT). To see if your unit has the most current version please visit <u>http://www.gascliptech.com/resources.html</u> or contact GCT directly.

	GCT IR LINK - Single Gas Clip [ver 1.3	.0,2]	X	GCT IR LINK - Single Gas Clip (ver 1.	.3.0.2]	
	Hardware Version	001	_	Hardware Version	001	A
	Firmware Version	4.3		Firmware Version	4.3	
In order to perform a	Serial Number	SH12533058		Serial Number	SH12533058	
in order to perform a	Life Remaining	22 Months 28	Days	Life Remaining	22 Months 28	Days
firmware upgrade, make	Sensor Type	H2S	-	Sensor Type	H2S	-
aura ta pagition your	High Alarm	10.0	<u>*</u>	High Alarm	10.0	<u>*</u>
sure to position your	Low Alarm	5.0	2	Low Alarm	5.0	2
monitor in front of the IR	Calibration Interval	0 1 Days		Calibration Interval	0 1 Days	
	Bump Interval	0 Topus		Bump Interval	0 Topus	
reader as instructed in the	User ID Colf Test Internel	123456		User ID	123456	
"Getting Started" section	Dieplay	Sensor/Life Remaining		Display	Sensor/Life Remaining	
	Display	Hide hump due LED f	ashing	ызрау	Hide hump due LED fla	ehing
Make sure to read the			asing			annig
device before	Read File Read Device V	/rite File Write Device	Hibernate	Read File Read Device	Write File Write Device	Hibernate
		1				
performing any	Save Event Log	Sensor Calil	bration	Save Event Log	Sensor Calibr	ration
unarades to ensure a						
connection has been	C:\Users\Kyle Krueger\Desktop\G	Gas Clip Technologies\Firm	ware\SG	C:\Users\Kyle Krueger\Desktop	Gas Clip Technologies\Firmv	vare\SG 🔁
connection has been	SGC Firmware Upgrade Firmwa	are Version 4.1		SGC Firmware Upgrade Firmv	ware Version 4.1	
established.	Upgrade Firmwa	are Cancel		Upgrade Firm	ware Cancel	
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	<u> </u>	III		•	III Cas Clin Technologian	
	nasci	218 W. Avenue F	5	dasci	218 W. Avenue F	
	technologies	Midloathian, TX 7606	5	technologies	Midloathian, TX 76065 Support : +1 972-775-	7577
		info@gascliptech.con	n	-	info@gascliptech.com	
	Download Image	ə	12-07-05 16:46:42	Download Image	ОК 1	2-07-05 16:47:35

Once a successful read has occurred, click on the Folder Icon located in bottom middle right. Select the firmware file you would like to upgrade to and then click Upgrade Firmware. This process will take approx. 30 seconds to perform. DO NOT move the unit during a firmware upgrade. Once a successful upgrade has occurred a green bar will appear with "download image...ok" see screenshots above. Firmware upgrades may also be performed through the Clip Dock Docking station.

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Hibernating your SGC Plus

Your SGC Plus unit allows you to place the detector in hibernate mode when it is not being used. In order to perform a hibernation, place your detector in front of the IR Reader as instructed in the "Getting Started" Section. Make sure to read the device before performing hibernation to ensure a connection has been established.

GCT IR LINK - Single Gas Clip [ver 1.3.0.2]	X	📕 Save Logging	Data			X
Hardware Version	001			-		2728 - 100 - 16	
Firmware Version	4.1		Save in:	EVENT	•	⊨ 🖻 🕂 🗐 🗎	,
Serial Number	SH12533058		1000	1 a = - =			
Life Remaining	22 Months	28 Days	(Den	Name 🔺	•	Date modified	▼ Type
Sensor Type	H2S				N-2		
High Alarm	10.0	1			No items match your se	arch.	
Low Alarm	5.0	1	Recent Places				
Calibration Interval	0 1	Days	1				
Bump Interval	0 1	Days	2				
User ID	123456		Dealara				
Self Test Interval	20 1	hours	Desktop				
Read File Save	libernation will clear the eve re you sure you want to pro	No bernate	Libranes Libranes Computer				
C:\Users\Kyle Krueger\Desl	ktop\Gas Clip Technologie	es\Firmware\SG					
Upgrade F	Firmware Can	cel	Network				
	III	E I	-	4			
	Gas Clip Tech 218 W. Avenue Midloathian, T. Support : +1 9 info@gasclipte	nologies e F X 76065 172-775-7577 ech.com		File name:	SH10002584_LOG_100929135255	•	Save

Note before you perform hibernation, it is recommended that you save the event log on the monitor. To save the log, click on the Save Event Log button. This will allow you to select a specific folder to save the event log. Once hibernation has occurred, all prior event log information will be erased.



Once the log has been saved, you can proceed with hibernation. To hibernate the unit, press the Hibernate button. A screen will pop up asking if you would like to save the event log. If you have already saved the log click yes. Successful hibernation will give an OK green bar.

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Troubleshooting:

Connection Problems

SGC Connect Error: This error occurs when the IR Link cannot communicate with the unit. The screenshot below displays the error.

If this error occurs check the following items: Make sure the unit is placed face down in front of the IR Link at least 1 inch. Also check that the IR window on the unit is not clogged with dirt or debris. Finally make sure the area where the unit and link are is not in a high light area (i.e. bright light bulb or bright sunlight) as light can interfere with IR connectivity.

IR Link Connect Error: This error occurs when the IR Link is either not connected to the computer or the driver did not install correctly. Make sure to check the USB connection on both the computer and the IR Link itself to ensure all connections are secure. If all connections are secure attempt to uninstall and reinstall the software.

Hardware Version	001
Firmware Version	4.1
Serial Number	SH12533058
Life Remaining	22 Months 28 Days
Sensor Type	H2S
High Alarm	10.0
Low Alarm	5.0 2
Calibration Interval	0 1 Days
Bump Interval	0 1 Days
User ID	123456
Self Test Interval	20 1 hours
Read File	SGC connect error Check IR LINK and SGC connection
Read File	SGC connect error Check IR LINK and SGC connection
Read File	sGC connect error Check IR LINK and SGC connection OK esktop/Gas Clip Technologies/Firmware/SG
Read File Save	sGC connect error Check IR LINK and SGC connection OK esktop\Gas Clip Technologies\Firmware\SG Construction
Read File Save C:\Users\Kyle Krueger\De SGC Firmware Upgrade Upgrade	SGC connect error Check IR LINK and SGC connection OK Sktop/Gas Clip Technologies/Firmware/SG C Firmware Version 4.1 # Firmware Cancel
Read File	SGC connect error Check IR LINK and SGC connection OK esktop\Gas Clip Technologies\Firmware\SC Co Firmware Version 4.1 9 Firmware Cancel

Hardware Version	001
Firmware Version	4.1
Serial Number	SH12533058
Life Remaining	22 Months 28 Days
Sensor Type	H2S
High Alarm	10.0
Low Alarm	5.0 24
Calibration Interval	0 🛃 Days
Bump Interval	0 🔥 Days
User ID	123456
Self Test Interval	20 1 hours
Read File Rea	IR LINK isnot found IR LINK Re-Install driver(A)
Read File Rea Save Eve C:\Users\Kyle Krueger\De	IR LINK isnot found IR LINK Re-Install driver(A) OK OK
Read File Rea Save Eve C:\Users\Kyle KruegerDe SGC Firmware Upgrade Upgrade	IR LINK isnot found IR LINK Re-Install driver(A) OK IR LINK Re-Install driver(A) IN CONCENTRATION Sktop/Gas Clip Technologies/Firmware/SG Concentration Firmware Version 4.1 Firmware Cancel
Read File Rea Save Eve C:\Users\Kyle Krueger\De SGC Firmware Upgrade Upgrade	IR LINK isnot found IR LINK Re-install driver(A) OK on sktop\Gas Clip Technologies\Firmware\SG Firmware Version 4.1 Firmware Cancel m Gas Clip Technologies