SEELEVEL Soul

UPDATER APP PROCEDURES

Rev H Firmware Updater App v1.01

Updated 17-May-2023





DOWNLOAD PROCEDURES

1. Select the "Firmware Updater App" download button on the website. **NOTE:** After downloading the application zip file make sure to unzip the file into a path no longer than 255 characters and without spaces.

Firmware Updater App 🛛 🕹

2. Unzip the SoulFwUpdate_1_01 zip folder.

SoulFwUpdate_1_001.zip

3. Open the SoulFwUpdate_1_01 folder.

SoulFwUpdate_1_01

- **4.** Open the App folder, double-click on the G708FwUpdater.exe file.
 - App DFU_Driver Firmware 708-RVC Soul Rev H Firmware updater app v1.01.pdf
- **5.** Double-click the Application file "G708FWUpdater" to launch the app.

File folder
Application
CONFIG File
PDB File
HEX File
XML Document
XML Document
XML Document
XML Document
WINMD File



APPLICATION PROCEDURES

1. Launch the **SoulFwUpdate** Updater Application (without a Soul Module plugged into the PC

CAUTION: CAN bus connections need be to disconnected before plugging the soul in.

G708FwUpdater 1.0	0			
No Connection N/A	N/A	N/A	N/A	Flash
No file loaded				Open File
N/A	N/A	N/A	N/A	
ooking for Soul	devices			



2. Connect the micro USB to the Soul module. The updater app will auto-detect the Soul device and display the current firmware version.

G708FwUpdater 1.0	0			×
Garnet Instrumer	nts HID [204E39	A2384B]		Flach
SOUL	REVH	L433A	4.5.0	TIGST
No file loaded				Open File
N/A	N/A	N/A	N/A	
Looking for Soul Garnet Instrumer AT+VERSTR SOUL_REV_H_rev Firmware version AT+PID REV_H_L433A_rev	devices hts HID [204E39 2.4.5.0 : 4.5.0 (4500) v_4.5.0	9A2384B] Connect	ted	



3. The Updater app will show the device is "Connected".

G708FwUpdater 1.0	0			×
Garnet Instrumer SOUL	nts HID [204E39) REVH	A2384B] L433A	4.5.0	Flash
No file loaded	N/A	N/A	N/A	Open File
Looking for Soul Garnet Instrumer AT+VERSTR SOUL_REV_H_rev Firmware version AT+PID REV_H_L433A_re Garnet Instrumer Looking for Soul Garnet Instrumer AT+VERSTR SOUL_REV_H_rev Firmware version AT+PID REV_H_L433A_re	devices nts HID [204E39, 2.4.5.0 : 4.5.0 (4500) v_4.5.0 nts HID [204E39, devices nts HID [204E39, 2.4.5.0 : 4.5.0 (4500) v_4.5.0	A2384B] Connect A2384B] Disconne A2384B] Connect	ed	



4.	If the Soul	device is disc	connected the	updater	app will	show "D	isconnected".
				apaater	app mm	511011 0	ibeetineeteed .

G708FwUpdater 1.0	0			×
No Connection				Flash
N/A	N/A	N/A	N/A	
No file loaded				Open File
N/A	N/A	N/A	N/A	
Looking for Soul Garnet Instrumen AT+VERSTR SOUL_REV_H_rev Firmware version AT+PID REV_H_L433A_re Garnet Instrumen	devices nts HID [204E39, v_4.5.0 x 4.5.0 (4500) v_4.5.0 nts HID [204E39, devices	A2384B] Connect	ted	



5. Select "**Open File**" button and select "Firmware Version 4.5.2". This will load the firmware to the app.

G708FwUpdater 1.	00			×		
Garnet Instrume	nts HID [204E39/	A2384B]		Flash		
SOUL	REVH	L433A	4.5.0	- Husti		
E:\work\win_app \SOUL_L433A_4_	s\GFwPackager\ _5_2.gfw	G708FwUpdater\	\bin\firmware	Open File		
SOUL	REVH	L433A	4.5.2			
Looking for Soul devices Garnet Instruments HID [204E39A2384B] Connected AT+VERSTR SOUL_REV_H_rev_4.5.0 Firmware version: 4.5.0 (4500) AT+PID REV_H_L433A_rev_4.5.0 Garnet Instruments HID [204E39A2384B] Disconnected						
Looking for Sou Garnet Instrume AT+VERSTR SOUL_REV_H_re Firmware version AT+PID REV_H_L433A_re Trying to load: S	l devices nts HID [204E39, v_4.5.0 n: 4.5.0 (4500) ev_4.5.0 OUL_L433A_4_5_	A2384B] Connect	ted I OK			



6. Select "**Flash**" button, the app will update the firmware. The app will try to reboot the Soul and put it into bootloader mode. This will disconnect the Soul from the PC logically and it will re-enumerate the Soul as a different device.

G708FwUpdater	1.00			×			
No Connection				Flash			
N/A	N/A	N/A	N/A				
E:\work\win_ap \SOUL_L433A_4	ps\GFwPackager\ I_5_2.gfw	G708FwUpdater\	\bin\firmware	Open File			
SOUL	REVH	L433A	4.5.2				
AT+VERSTR SOUL_REV_H_re Firmware versic AT+PID REV_H_L433A_r Garnet Instrum	Garnet Instruments HID [204E39A2384B] Connected AT+VERSTR SOUL_REV_H_rev_4.5.0 Firmware version: 4.5.0 (4500) AT+PID REV_H_L433A_rev_4.5.0 Garnet Instruments HID [204E39A2384B] Disconnected						
Looking for Soc Garnet Instrum AT+VERSTR SOUL_REV_H_re Firmware version AT+PID REV_H_L433A_r Trying to load: Invoking STM3	ul devices ents HID [204E39 ev_4.5.0 on: 4.5.0 (4500) rev_4.5.0 SOUL_L433A_4_5_ 2 DFU Bootloader	A2384B] Connec	ted I OK				
Waiting for USE Waiting for USE	3 re-enumeration 3 re-enumeration	•					



 Once completed, the Updater App will indicate that the update was successful. Select "OK" and close the application. The Soul is up to date and ready for installation.

G708FwUpdater 1.	00			×
Garnet Instrume	nts HID [204E39	A2384B]		Flach
SOUL	REVH	L433A	4.5.2	FIdST
E:\work\win_app \SOUL_L433A_4_	s\GFwPackager\ _5_2.gfw	G708FwUpdater	\bin\firmware	Open File
SOUL	REVH	L433A	4.5.2	
erasing sector 0	022 @: 0x0800b	000 done		~
erasing sector 0	023 @: 0x0800b8	300 done		
erasing sector 0	024 @: 0x0800c0)00 done		
erasing sector 0	025 @: 0x0800c8	300 done		
erasing sector 0	026 @: 0x0800d	000 done		
erasing sector 0	027 @: 0x0800d	300 done		
erasing sector 0	028 @: 0x0800e0	000 done		
erasing sector 0	029 @: 0x0800e8	300 done		
erasing sector 0	030 @: 0x0800f0	00 done		
erasing sector 0	031 @: 0x0800f8	00 done		
erasing sector 0	032 @: 0x080100	000 done		
Download in Pro	ogress:			
File download co	omplete			
Time elapsed du	iring download o	operation: 00:00:	01.646	
Verifying				
Download verifie	ed successfully			
RUNNING Progr	am			
Address: : 0	x8000000			
Start operation a	achieved success	fully		
Looking for Sou	l devices			
Garnet Instrume	nts HID [204E39	A2384B] Connec	ted	
AT+VERSTR	-	-		
SOUL_REV_H_re	v_4.5.2			
Firmware version	n: 4.5.2 (4502)			
AT+PID				
REV_H_L433A_re	ev_4.5.2			
L				\sim



8. If re-enumeration was not successful, the PC is missing a DFU driver needed to re-flash Soul devices.

G708FwUpdater 1	.00			×
No Connection				Flash
N/A	N/A	N/A	N/A	TIGST
E:\work\win_app \SOUL_L433A_4	ps\GFwPackager\ _5_2.gfw	G708FwUpdater∖	bin\firmware	Open File
SOUL	REVH	L433A	4.5.2	
Garnet Instrume	ents HID [204E39	A2384B] Disconn	ected	^
Looking for Sou	Il devices			
Garnet Instrume	ents HID [204E39	A2384B1 Connect	ted	
AT+VERSTR		,		
SOUL_REV_H_re	ev_4.5.0			
Firmware versio	n: 4.5.0 (4500)			
AT+PID				
REV_H_L433A_r	ev_4.5.0			
Trying to load: S	SOUL_L433A_4_5	_2.gfw File Load	OK	
Invoking STM32	2 DFU Bootloader	r		
Waiting for USE	re-enumeration			
Waiting for USE	re-enumeration			
Waiting for USE	re-enumeration			
Waiting for USE	re-enumeration			
Waiting for USE	re-enumeration			
Couldn't find a	ST DFU device			
*********May	be DFU Driver is	missing********	**	
Please:		5		
-Disconnect So	ul from USB			
-Close App				
-Install DFU Dri	ver			
-Try Again				
Looking for Sou	Il devices			
				\sim



9. Go to the app's installation directory and look into the "DFU_Driver\Driver" folder. Find the "STM32Bootloader.inf" file. Right-click it and select "Install" from the menu.

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ver × +			
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✓ ↑ → This PC → Spare (D:) → D	FU_Driver > Driver		
Name	Date modified	Туре	Size
amd64	2023-03-20 12:09 PM	File folder	
SignedDrivers	2023-03-20 12:09 PM	File folder	
🚞 x86	2023-03-20 12:09 PM	File folder	
installer_x64.exe	2022-04-25 6:35 AM	Application	150 KB
🛄 installer_x86.exe	2022-04-25 6:35 AM	Application	126 KB
stm32bootloader.cat	2022-04-25 6:35 AM	Security Catalog	10 KB
STM32Bootloader.inf	2022-04-25 6:35 AM	Setup Information	15 KB

10. After Installing the driver. Start the app, reconnect Soul, and try flashing the new firmware again.