How to Update the F/W GL-Series





DOCUMENT CHANGE SUMMARY				
REV	PAGE	REMARKS	DATE	EDITOR
1	New Document		2023. 10. 30	JH KIM



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* The PIO module GL-series has a separate firmware change manual, so please refer to "Quick_start_manual_PIO FW Update Tool (Rev1.0.0.4)".

1-1 Lan Cable

Connect GN-9xxx device and PC LAN cable

please set the protocol IP address: 192.168.xxx.xxx (Ex Crevis Vendor : 192.168.0.xxx)

Subnet mask(U) : 255.255.255.0 like below

PC - Lanport IP Address Setting

🚇 이더넷 3 속성	\times	인터넷 프로토콜 버전 4(TCP/IPv4) 속성	\times
네트워킹 공유		일반	
연결에 사용할 장치:		네트워크가 IP 자동 설정 기능을 지원하면 IP 설정이 자동으로 할당되도록 할 수 있습니다. 지원하지 않으면, 네트워크 관리자에게 적절한 IP 설정값을	
		문의해야 합니다.	
구성(C)		○ 자동으로 IP 주소 받기(O)	
이 연결에 다음 항목 사용(O):	_	- ④ 다음 IP 주소 사용(S):	
☑ 및 Microsoft Networks용 클라이언트 ∧		IP 주소(I): 192 . 168 . 이 . 155	
 ☑ Imicrosoft 데르워크 등 피일 및 프린이 등 때 ☑ Imicrosoft 데르워크 등 피일 및 프린이 등 때 ☑ Imicrosoft 데르워크 등 피일 및 프린이 등 때 		서브넷 마스크(U): 255 . 255 . 0	
☑ 및 Npcap Packet Driver (NPCAP) ☑ 및 QoS 패킷 스케쥴러		기본 게이트웨이(D):	
☑ ▲ 인디켓 프로포를 비싼 4(TCP/IPV4) □ ▲ Microsoft 네트워크 어냅러 멀티클텍서 프로토콜		○ 자동으로 DNS 서버 주소 받기(B)	
		● 다음 DNS 서버 주소 사용(E):	
설치(N) 제거(U) 속성(R)		기본 설정 DNS 서버(P):	
설명		보조 DNS 서버(A):	
Transmission Control Protocol/인터넷 프로토콜입니다. 기본적 인 광역 네트워크 프로토콜로, 다양하게 연결된 네트워크에서 통 신을 제공합니다.		□ 끝낼 때 설정 유효성 검사(L) 고급(V)	
환인 취소		확인 취소	

Set the DipSwitch 254 (254 = Fixed IP Address)





Please turn on the power of the product.



If you look at the product's LED status and the mod LED crosses red/green, it has been successfully changed to IAP Mode.



- User ID : crevis, password : crevis → if you use OEM products, User ID/Password is different.
- 3) "Login Adapter" click





- 1) Select the firmware file. **(file format is .bin)**
- 2) "Update Firmware" click
- [∞] caution !

If the firmware update takes an infinite amount of time to load, we ask you to retry or change your browser.

Crevis FnIO Network Adapter, Update Firmware Done!

Before clicking button, please change DIP Switch to 0~253 for normal boot!



- 1) As shown in the image above, "Update Firmware Done!" If confirmed, the firmware has been successfully changed.
- 2) Reboot the product by pressing the "Reset Adapter" button



1-2 RS232 cable + Flash Loader

Install & excute a Flash Loader Demonstrator. (You can download Flash Loader Demonstrator on <u>www.st.com</u>)

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REFINE BY TYPE	Recommended I Flash LED supply	inks					
Embedded Software (32) Development Tools (11)	50 tools & software: Flash	oader				Show / hid	e columns
> Evaluation Tools (6) Obsolete Products (1)	Part Number 👙	Status ÷	Type 💠	Category 🔶		Description \$	
	FLASHER-STM8	ACTIVE	Development Tools	Software Development Tool	S	STM8 Flash loader demonstr (UM0462)	ator
REFINE BY VENDOR Clear	FLASHER-STM32	ACTIVE	Development Tools	Software Development Tool	S	STM32 Flash loader demonst (UM0462)	rator

RS 232 Cable connection (after removing the product's LED label and indicator connect as shown in the image)



Please turn on the power of the product.



PC – Device Manager – Connected port (set as shown in the image)





0. Run the Demonstrator GUI 1. UART communication settings

(same port and baud rate settings)
🛹 Flash Loader Demonstrator — 🗌 🗙
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Select the communication port and set settings, then click next to open connection.
Common for all families
<pre></pre>
Back Next Cancel Close



2. Next	3. Target Setting
Ilash Loader Demonstrator — — 🛛 🗙	🤛 Flash Loader Demonstrator 🛛 — 🗌 🗙
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Target is readable. Please click. "Next" to proceed.	Please, select your device in the target list Target STM32F2_256K PID (h) 0411 BID (h) 3.3 Version 3.1
Remove protection	Flash mapping Name Start address End address Size
	Sector0 0x 8000000 0x 8003FFF 0x4000 (16K) Sector1 0x 8004000 0x 8007FFF 0x4000 (16K) Sector2 0x 8008000 0x 8008FFF 0x4000 (16K) Sector3 0x 8008000 0x 8008FFF 0x4000 (16K) Sector3 0x 800000 0x 8008FFF 0x4000 (16K) Sector4 0x 8010000 0x 801FFFF 0x4000 (16K) Sector4 0x 8010000 0x 801FFFF 0x10000 (64 Sector5 0x 8020000 0x 803FFFF 0x20000 (12)
Back Next Cancel Close	Back Next Cancel Close

4. Download to device

⊳ F	Flash Loader Demonstrator — 🗆 🗙
	life.augmented
C I	Erase
	C Selection
•	Download to device
	X:\U2. G-Series\FW\NA\Urevis\GL-9089\Urevis_GL-9089_INA_F
	Erase necessary pages O No Erase O Global Erase
	@ (h) 8010000
	Optimize (Remove some FFs) Verify after download
	Apply option bytes
е I	Upload from device
	Upload to file
0	
	DISABLE VIEW WRITE PROTECTION

Flash Loader Demonstrator Flash Loader Demonstrator Ite.augmented Target STM32F2_256K Map file STM32F2_256K.STmap Operation DOWNLOAD File name X:\02. G-Series\FW\NA\Crevis\GL-9089\Crevis_GL-9089_INA_Rev File size 110.02 KB (112660 bytes) Status 110.02 KB (112660 bytes) of 110.02 KB (112660 bytes) Time 00:46 Download operation finished successfully

Next

Cancel

Close

Back

5. Download

Power reboot after 100%

