Gillig FMVSS Campaign Dinex module download instructions July 09, 2018.

A. Locate the master module "T2-HCNC" in the D-Zone, at the rear of the bus above the air conditioning inlet. Use a key tool to open the D-Zone compartment. T2 Modules are black. Locate the D2 module, it is usually in the middle between D1 and D3.



B. Disconnect the ring loop connectors. Connect the G3-MK-CHARGER "IO MODULE" cable to the T2-HCNC NETWORK. Connect the G3-MK-CHARGER "POWER" cable to the ring loop.



C. T2-HCNC-888 detail.



### G3-MK-CHARGER with G3-MK-PROGRAM



E. Wake up the bus by turning the master switch ON. The G3-MK-CHARGER display should read, "PUSH MODE BUTTON TO DISPLAY MODES".



- F. Checksum test of the "OLD" Ladder Logic from T2-HCNC-888 using G3-MK-CHARGER
- 1. Already have selected a G3-MK-PROGRAM module with the correct "NEW Ladder Logic" Bus lot # or contract # and revision level.
- 2. Push "Mode" button four times to select "MODULE MESSAGE ENTER TO SELECT" on the G3-MK-CHARGER.



3. Press "Enter" on the G3-MK-CHARGER, display should read " REV x mm/dd/yyyy CHASSIS # xxxxxx".



4. Press "Enter" again and display should read "CHECK SUM = xxxx ENTER TO RETURN".



- 5. Compare the checksum on the display with the checksum in the documentation provided by Gillig.
- 6. If the checksum matches with documentation provided by Gillig, then proceed to section G next page.
- 7. If the checksum does not match then STOP. DO NOT PROCEED. Disconnect the G3-MK-CHARGER from the T2-HCNC.

G. If the checksum matches then this indicates that the Vehicle program matches with the existing

documentation. **Download the new program from G3-MK-CHARGER to T2-HCNC-168** 8. Push "ENTER" button, then press "Mode" button to select "DOWNLOAD (REV# "PROGRAM

REVISION")..." on the G3-MK-CHARGER.



9. Press "Enter" on the G3-MK-CHARGER, display should read "T2 PROGRAM OK CKSUM = xxxx REV#x".



10. Press "Enter" again and display should read "DOWNLOADING ... xx% COMPLETED".



11. Wait until program download is complete, display should read "DOWNLOAD OK!..".



- 12. Check for any error message on the G3-MK-CHARGER. If error occurs, recycle power and repeat step 8 through 11. It is important to disconnect the power completely.
- 13. If no error then press "Enter" a few times until the display reads "VERIFY (REV#)".
- 14. Press "Enter" twice and display should read "VERIFYING ... xx% COMPLETED".
- 15. Wait until program verify is complete, display should read "VERIFY OK!..".
- 16. If no error then disconnect power from the G3-HCNC. It is important to disconnect the power completely. Note the revision level x and checksum xxxx. Compare with same information written on G3-MK-PROGRAM label.
- 17. Disconnect the G3-MK-CHARGER from the T2-HCNC.
- 18. Procedure complete.

Gillig FMVSS Campaign Dinex module download instructions July 06, 2018.

A. Locate the master module "G3-HCNC" in the D-Zone, at the rear of the bus above the air conditioning inlet. Use a key tool to open the D-Zone compartment.



#### B. Locate the UPLINK connector.



#### C. G3-HCNC-168 detail.



D. Connect the G3-MK-PROGRAM that has the "NEW" ladder logic. Connect the G3-MK-CHARGER "IO MODULES" connector to the WIR-3010-1. Connect the WIR-3010-1 to the G3-HCNC "UPLOAD" connector. \*\*IMPORTANT\*\* NOTE: If the bus had an optional item connected to the "UPLOAD" port, please remember to re-connect the optional item before closing the D-Zone compartment door.

### G3-MK-CHARGER with G3-MK-PROGRAM



E. Wake up the bus by turning the master switch ON. The G3-MK-CHARGER display should read, "ID=77 PROGRAM OK" the checksum "CKSUM XXXX" and revision "REV#X" should match with label on the G3-MK-PROGRAM, or the provided documentation.





- F. Checksum test of the "OLD" Ladder Logic from G3-HCNC-168 using G3-MK-CHARGER
- 1. Already have selected a G3-MK-PROGRAM module with the correct "NEW Ladder Logic" Bus lot # or contract # and revision level.
- 2. Master switch must be off, all J1939 communications must be silent.
- 3. Push "Mode" button four times to select "MODULE MESSAGE ENTER TO SELECT" on the G3-MK-CHARGER.



4. Press "Enter" on the G3-MK-CHARGER, display should read "REV x mm/dd/yyyy CHASSIS # xxxxxx".



5. Press "Enter" again and display should read "CHECK SUM = xxxx ENTER TO RETURN".



- 6. Compare the checksum on the display with the checksum in the documentation provided by Gillig.
- 7. If the checksum matches with documentation provided by Gillig, then proceed to section G next page.
- 8. If the checksum does not match then STOP. DO NOT PROCEED. Disconnect the G3-MK-CHARGER from the G3-HCNC.

- G. If the checksum matches then this indicates that the Vehicle program matches with the existing documentation. **Download the new program from G3-MK-CHARGER to G3-HCNC-168.**
- 9. Push "ENTER" button, then press "Mode" button to select "DOWNLOAD (REV# "PROGRAM REVISION").." on the G3-MK-CHARGER.



10. Press "Enter" on the G3-MK-CHARGER, display should read "ID = 77 PROGRAM OK CKSUM = xxxx REV#x".



11. Press "Enter" again and display should read "DOWNLOADING ... xx% COMPLETED".



12. Wait until program download is complete, display should read "DOWNLOAD OK!..".



- 13. Check for any error message on the G3-MK-CHARGER. If error occurs, recycle power and repeat step 9 through 12. It is important to disconnect the power completely.
- 14. If no error then press "Enter" a few times until the display reads "VERIFY (REV#)".
- 15. Press "Enter" twice and display should read "VERIFYING ... xx% COMPLETED".
- 16. Wait until program verify is complete, display should read "VERIFY OK!..".
- 17. If no error then disconnect power from the G3-HCNC. It is important to disconnect the power completely. Note the revision level x and checksum xxxx. Compare with same information written on G3-MK-PROGRAM label.
- 18. Disconnect the G3-MK-CHARGER from the G3-HCNC.
- 19. OPTIONAL if there was an optional item connected to the "UPLOAD" port, please remember to re-connect the optional item before closing the D-Zone compartment door.
- 20. Procedure complete.

# Download Program for G4 System



1. Find the G4 MBC module in the following location

2. Connect MBC to a computer with an USB Type-A to Type-A cable



3. Execute the "G4 Program Downloader V1.x" on the computer.

Data transmission	channel set		Select Download Folder			Add Files	Remove File
Module Type	G4_MBC	$\sim$					
Connect Type		🔿 Wi-Fi		Selected File	s		
COM Port	~	Scan COM Port	Fit Name	Туре	Size	Modified Date	
Module ID	~	Scan ID					
DINE	EX Program Informat	tion					
Item Created Date Object File ID Field Number Order Number Revision Check Sum Selected ID	Download File	Upload File					
Real Time Informati	ile Transfer Status on Data						

5. Click [Scan ID], the system will get the module information from the MBC. The Module ID should be "77".

🎎 G4 Program Dov	vnloader 1.4.5					-	□ ×
Data transmission Module Type	channel set G4_MBC	~	Select Download Folder			Add Files	Remove Files
Connect Type	USB	⊖ Wi-Fi		Selected	Files		
COM Port	COM3 ∨ S	ican COM Port	File Name	Туре	Size	Modified Date	
Module ID		Scan ID					
DINE	EX Program Informatio	on					
Item Created Date Object File ID Field Number Order Number Revision Check Sum Selected ID F Real Time Informati	Download File	Upload File Module MSG					
Product Name : 10	Controls G4 Prog	ram Downloade	r				
Version: 1.4.5			Generate Glass Panel Logic File in U	JSB Drive 🛛 🗸 🔁		Download File	Upload File

4. If the COM port is found, use the default COM port number, if not, click the [Scan COM Port]

6. Click "Select download folder" Button

3			G4 Program I	Downloader			
Data transmission Module Type	channel set G4_MBC		Select Dow Jad Folder			Add Files	Remove Files
Connect Type	USB	🔘 Wi-Fi		Selected Fi	les		
COM Port	COM3 v	Scan COM Port	File Name	Туре	Size	Modified Date	
Module ID	77 🗸	Scan ID					
DINE	EX Program Informati	ion	1				
Item	Download File	Upload File	1				
Created Date							
Object File ID							
Field Number							
Order Number							
Revision							
Check Sum							
	Read	I Module MSG					
F	File Transfer Status		1				
Real Time Informati	ion Data						
Product Name : IO Version : 1.0.5	Controls Engine	eering Documer	nt Download			Download File	Upload File

7. Select the folder with program. The folder name in the attachment is "20140407A"

Browse For Folder	×
Plase select the project folder	
A 📙 MCI	^
🛛 🖟 From MCI	
A 📙 NJT	
⊳ 퉬 V1.0	
▲ 🍑 V1.1	
🔒 20140407A	
Þ 퉬 V2.4	
▷ 퉬 V2.5	
Þ 퉬 V2.6	
Þ 퉬 V2.7	
> 퉬 V2.8	
Þ 퉬 V2.9	
N III V2 10	¥
Make New Folder OK Ca	ancel

8. After you select the folder, the system will show all the files in the folder

Data transmission	channel set		Calent Developed Folder			Add Dise	Damage Dia
Module Type	G4 MBC	*	Select Download Polder			Add Files	nemove rile
			C:\Users\markc_000\Documentoi	CONTRACT NOT NOT NOT NOT NOT NOT NOT NOT NOT NO	20140407A		
Connect Type	USB	🔘 Wi-Fi		Selected File	s		
COM Port	COM3 ∨	Scan COM Port	File Na	Туре	Size	Modified Date	
			2 40407A.log	LOG File	0 K	4/7/2014 1:30:30 PM	
Module ID	77 🗸	Scan ID	10140407A.lst	LST File	506 K	4/7/2014 1:30:30 PM	
			20140407A.obj	OBJ File	32 K	4/7/2014 1:30:30 PM	
			20140407A.src	SRC File	200 K	4/7/2014 1:30:30 PM	
D	rogram form	nation	J1939InputList.bin	BIN File	1 K	4/7/2014 1:30:30 PM	
	Developed	United Dis	J1939OutputList.bin	BIN File	1 K	4/7/2014 1:30:30 PM	
tem	Download	Upload File	MCI D45 NJT V1.1.0.PDF	PDF File	199 K	4/7/2014 1:30:35 PM	
Created Da	04/07/14		CI D45 NJT V1.1.0.prj	PRJ File	123 K	4/7/2014 1:30:36 PM	
Object File D	77						
ield Nunter	2014						
Order Number	0407						
Revision	A						
check Su	AE1E						
		ad Module MSG					
	Statu	IS					
Real Time Informat	ion Data						
tear nine intonna.	ion Data						

#### 9. Click "Download File"

5			G4 Program	Downloader		•
Data transmission	channel set		Salect Download Folder			Add Files Remove Files
Module Type	G4_MBC	~	Select Download Folder			Aud Hies Helliove Hies
			C:\Users\markc_000\Documents\IO	Controls \DINEX IDE \MCI\NJ I \V1.1\	20140407A	
Connect Type	USB	🔘 Wi-Fi		Selected File	s	
COM Port	COM3 V S	Scan COM Port	File Name	Туре	Size	Modified Date
			20140407A.log	LOG File	0 K	4/7/2014 1:30:30 PM
Module ID	77 4	Scan ID	20140407A.lst	LST File	506 K	4/7/2014 1:30:30 PM
MODUIS ID	// <b>*</b>	Joanno	20140407A.obi	OBJ File	32 K	4/7/2014 1:30:30 PM
			20140407A.src	SRC File	200 K	4/7/2014 1:30:30 PM
DIN	EX Program Informati	00	J1939InputList.bin	BIN File	1 K	4/7/2014 1:30:30 PM
5	Ext rogian monitat		J1939OutputList.bin	BIN File	1 K	4/7/2014 1:30:30 PM
Item	Download File	Upload File	MCI D45 NJT V1.1.0.PDF	PDF File	199 K	4/7/2014 1:30:35 PM
Created Date	04/07/14		MCI D45 NJT V1.1.0.prj	PRJ File	123 K	4/7/2014 1:30:36 PM
Object File ID	77					
Field Number	2014					
Order Number	0407					
Revision	A					
Check Sum	AE1E					
	Read	Module MSG				
	File Transfer Status					
Real Time Informat	ion Data					
Product Name : IC	Controls Engine	ering Documen	t Download			
Version : 105						Download File
Veraion 1.0.0					•	Download File

10. System shows the download status.

Data transmission	channel set		Calent Developed Felder			Add Diss. Domains
Module Type	G4_MBC	$\checkmark$	C:\Users\markc 000\Documents\IO (	Controls\DINEX IDE\MCI\NJT\V1.1\	20140407A	Add files Remove
Connect Type	USB	🔘 Wi-Fi	_	Selected File	is	
COM Port	COM3 V	Scan COM Port	File Name	Туре	Size	Modified Date
			20140407A.log	LOG File	0 K	4/7/2014 1:30:30 PM
Module ID	77	Scan ID	20140407AJst	LST File	506 K	4/7/2014 1:30:30 PM
module ib	<i>// •</i>	Scarrib	20140407A.obj	OBJ File	32 K	4/7/2014 1:30:30 PM
			20140407A.src	SRC File	200 K	4/7/2014 1:30:30 PM
DINE	- 	ion	J1939InputList.bin	BIN File	1 K	4/7/2014 1:30:30 PM
			J1939OutputList.bin	BIN File	1 K	4/7/2014 1:30:30 PM
Item	Download File	Upload File	MCI D45 NJT V1.1.0.PDF	PDF File	199 K	4/7/2014 1:30:35 PM
Created Date	04/07/14		MCI D45 NJT V1.1.0.prj	PRJ File	123 K	4/7/2014 1:30:36 PM
Object File ID	77					
Field Number	2014					
Order Number	0407					
Revision	A					
Check Sum	AE1E					
	Read	Module MSG				
	ile Transfer Status		1			
Deal True Information	Data					
Real Time Informati	on Data					
Downloading '2014	0407A.obj Complete	a. 📕				
Downloading J193	9InputList.bin' Comp	lete.				
Downloading 'J193	9OutputList.bin'. Ple	ase waa				
<						

11. Download Complete: Download process may take a few minutes. When download is completed , system shows the follow message.

System Information
Download Complete
ОК

12. Recycle the power of MBC.

13. Download program Finish and program should be running.

# Dinex G4 Program Downloader v1.4.5 User Manual

Connecting and Running the G4 Program Downloader	Page 2
Downloading to a G4-MBC	Page 4
Installing the G4 Program Downloader v1.4.5	Page 5
Installing the G4-MBC-HUB-xx Driver	Page 11

### **Connecting and Running the G4 Program Downloader**

The procedure is the same for all models of the G4-MBC module

- 1) Turn the SLEEP FUNC. switch on the G4-MBC module to the DISABLE position. This will make sure the module is awake and will not enter Sleep Mode while the download is occurring.
- 2) Connect the USB cable to the PC.
- 3) If the G4-MBC module is on the vehicle make sure the G4-MBC module is powered. If the module is powered up continue to step 5.
- 4) If the G4-MBC module is not on the vehicle the **WIR-4007-2** and AC Adapter will need to be used to power the G4-MBC module.
  - a) Connect the G4-MBC connector on the WIR-4007-2 to the G4-MBC module
  - b) Plug in the AC Adapter to an outlet.
  - c) Connect the **POWER** connector on the WIR-4007-2 to the connector on the AC Adapter.
  - d) The G4-MBC module should now be powered up.
- 5) Remove the cover for the USB port to the G4-MBC.
- 6) Connect the USB cable to the USB port on the G4-MBC. Note that the bus may have a USB extension port connected the G4-MBC in a convenient location. The computer will indicate that a device has been connected to the PC.
- 7) Start the G4 Program Downloader on the PC.



Diagram 1 (On Vehicle)



Diagram 2 (On Vehicle)

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Diagram 3 (Off Vehicle using WIR-4007-2 and AC Adapter)

### **Programming G4-MBC using the G4 Program Downloader**

The procedure is the same for all models of the G4-MBC module

- 1) Start the G4 Program Downloader on the PC.
- 2) Click the SCAN ID button. The program should return 77 in the Module ID box, within 30 seconds.
- 3) If the program does NOT return 77 in the Module ID box there may be multiple COM ports on your PC. Select a different COM port and click SCAN ID again.
- 4) Click the Select Download Folder button.
- 5) A pop-up window will appear. Select the folder containing all the files you want to download to the module click OK. If there is a sub-folder contained in the folder selected it will not appear in the Selected Files section but it will be downloaded to the module.
- 6) Optional\*\* To add an additional file to the files selected in the previous step click the Add Files button, if not skip to step 8.
- 7) A pop-up window will appear. Select the file to be added to the Selected Files list to be downloaded to the module and click Open.
- 8) Make sure that in the Selected ID box 77 appears. If a different number appears change the Selected ID to 77.
- 9) Click the Download button.
- 10) If the program returns an error message
- 11) The program will begin downloading the files from the PC to the G4-MBC-HUB, for about 2 minutes and 10 seconds.
- 12) While the program is downloading to the module the Status bar will begin turning green to indicate the status of the download. Also while downloading to the module the ladder logic program will stop running on the module and all outputs will remain in the state they were in when the download was started, when the download is complete the program will start running again.
- 13) When the download is successful a pop-up window will appear with the message: Download Complete. If the download is not successful a pop-up window will appear with the message: Downloading Fail.
- 14) If the download is successful disconnect the USB cable from the G4-MBC-HUB or the USB extension cable.
- 15) **\*\*\*\*IMPORTANT\*\*\*\*** Cycle power to the G4-MBC-HUB with the engine off by turning the battery disconnect switch to the off position then returning it to the on position. If this is not done the new program will not operate properly.

### **Installing the Dinex Program Downloader Software**

- Depending on the setup of the PC you may need to be logged in as the Administrator to install the program.
- Open the USB drive in windows explorer. Find the directory DINEX G4 Program Downloader v1.4.5 Setup.

Organize 🔻 📑 Open	Burn New folder						
Pictures *	Name	Date modified	Туре	Size		30.004	
🛃 Videos	G4-MBC-HUB Device Driver v6 7.5	1/23/2018 8-22 AM	File folder				
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- Follow the Instructions on the screen. Depending on the setup of the PC you may need to be logged in as the Administrator to install the program.
- Depending on the computer operating system, an extra window may pop up. Click "More Info"

1357 W. Foothill Blvd Azusa, CA 91702 Phone: (626) 812-5353 Fax: (626)812-5332

## Windows protected your PC

Windows SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

More info



Don't run

• Click "Run Anyway"

## Windows protected your PC

Windows SmartScreen prevented an unrecognized app from starting. Running this app might put your PC at risk.

App: setup.exe Publisher: Unknown Publisher



• On the Welcome screen, click **Next**.

🛃 DINEX G4 Program Downloader V1	.4.5	_		×
Welcome to the DINEX ( V1.4.5 Setup Wizard	G4 Program	Downloade	r	
The installer will guide you through the sta V1.4.5 on your computer.	eps required to install	DINEX G4 Program	n Downle	oader
WARNING: This computer program is pro Unauthorized duplication or distribution of or criminal penalties, and will be prosecute	tected by copyright I this program, or any ed to the maximum e	aw and internationa portion of it, may re ktent possible unde	al treaties sult in se r the law	s. avere civil
	Cancel	< Back	M	Next>

# I/O Controls

Dinex<sub>®</sub> Intelligent System Provider

• On the Setup screen, click on the Everyone, then click Next.

🛃 DINEX G4 Program Downloader V1.4.5	—		×
Select Installation Folder			
The installer will install DINEX G4 Program Downloader V1.4.5 to the followi	ng fold	er.	
To install in this folder, click "Next". To install to a different folder, enter it be	low or	click "Brov	vse".
<u>F</u> older: C:\Program Files (x86)\10 Controls\DINEX G4 Program Downloader V		Browse Disk Cost.	
Install DINEX G4 Program Downloader V1.4.5 for yourself, or for anyone v	who us	es this com	iputer:
Cancel < Back		Next	>

• On the Confirm Installation screen, click Next.

🛃 DINEX G4 Program Downloader V1	.4.5		-		$\times$
Confirm Installation					
The installer is ready to install DINEX G4 Click "Next" to start the installation.	Program Download	er V1.4.5 on you	r comput	ter.	
	Cancel	< Back		Nex	•>

• Depending on the setting the computer a User Account Control window may appear asking if you want to allow the installation on the computer. Click **Yes**.

	Do you want unknown pul	to allow the fo blisher to mak	ollowing prog e changes to t	ram from an this computer	?
	Program name: Publisher: File origin:	D:\G4 DIO Utility <b>Unknown</b> Removable medi	Setup.msi ia on this comput	er	
Sho	ow details		Yes	No	
		2	hange when these	e notifications app	ear Windows 7
Du	o you want nknown pui	to allow this blisher to ma	app from a ake changes	n to your	
d	evice?			_	
C St	vice? \Support\G4 itup\Setup.m	Program Dov tsi	vnloader V1.4	5	
C Si Pi Fi	evice? \Support\G4 Hup\Setup.m ublisher: Unkno e origin: Hand o	Program Dov tsi wn trive on this com	vnloader V1.4 puter	5	
	evice? \Support\G4 rtup\Setup.m iblisher: Unkno e origin: Hard o our more detail	Program Dow tsi wn drive on this com	vnloader V1.4 puter	5	

I/O Controls Dinex® Intelligent System Provider

• The installation process will begin. A window displaying the progress of the installation will be displayed. The amount of time this window will vary between computers.

记 DINEX G4 Program Downloader V1.4.5	_		×
Installing DINEX G4 Program Downloader V1.4.5			
DINEX G4 Program Downloader V1.4.5 is being installed.			
Please wait			
Cancel < Bac	sk	Ne	ext >

• When the files have finished installing the Installation Complete window will appear. Click the **Close.** 



• If this is the first time installing Dinex G4 software, then please proceed to installing the G4-MBC-HUB device driver.

### Installing the G4-MBC-HUB-xx Driver

- The driver is the same for all variations of the G4-MBC-HUB-xx.
- Depending on the setup of the PC you may need to be logged in as the Administrator to install the G4-MBC-HUB-xx device driver.
- Important do NOT connect to a G4-MBC-HUB-xx until after completing the driver installation.
- Connect the USB drive to an available USB port. The USB drive contains the Dinex G4 G4 DIO Utility WC software license in addition to the installation files. The USB drive will need to remain connected to the PC to properly run the Dinex G4 DIO Utility WC software.
- Open the USB drive in windows explorer.



• Open the G4-MBC-HUB Device Driver v6.7.5 folder. If installing the driver on a 64-bit operating system run the **CP210xVCPInstaller\_x64.exe** file. If installing the driver in a 32-bit operating system run the **CP210xVCPInstaller\_x86.exe** file.

👪 l 💽 👪 = l	Application Tools G4-MBC-H	IUB Device Driver v6	.7 – 🗆 🗙
File Home Share	View Manage		× 🕐
🔄 🌛 🝷 🕇 퉬 « Rem	→ G4-MBC-HUB Device Driver →	Search G4-MB	C-HUB Device 🔎
Music ^	Name	Date modified	Туре
Pictures	퉲 хб4	3/8/2016 4:00 PM	File folder
J Videos	鷆 x86	3/8/2016 4:00 PM	File folder
Windows8_OS (C:)	SCP210xVCPInstaller_x64.exe ™	4/11/2014 5:56 PM	Application
EENOVO (D:)	SCP210xVCPInstaller_x86.exe	4/11/2014 5:56 PM	Application
E Kemovable Disk (F:)	🔊 dpinst.xml	4/11/2014 5:56 PM	XML File 🗸
• Network	<		>
10 items 1 item selected 1.0	0 MB		:== 🛋

- Depending on the setup of the PC you may need to be logged in as the Administrator to run the installation file for the G4-MBC-HUB-xx device driver.
- Depending on the setting the computer a User Account Control window may appear asking if you want to allow the installation on the computer. Click **Yes**.

• Follow the instructions on the screen. On the Welcome screen, click Next.

CP210x USB to UART Bridge Driver Installer
Welcome to the CP210x USB to DART Bridge Driver Installer           This wizard will help you install the drivers for your CP210x USB to UART Bridge device.
< Back Cancel

• On the License Agreement screen, select **I accept this agreement** then click **Next**.

ci z tox obb to of itt bildge biller libtalier	
License Agreement	₹£
To continue, accept the following license agreement. To read the entire agreement, use the scroll bar or press the Page Down key.	
LICENSE AGREEMENT SILICON LABS VCP DRIVER IMPORTANT: READ CAREFULLY BEFORE AGREEING TO TERMS THIS PRODUCT CONTAINS THE SILICON LABS VCP DRIVER AND INSTALLER PROGRAMS AND OTHER THIRD PARTY SOFTWARE.TOGETHER THESE PRODUCTS ARE REFERRED TO AS THE "LICENSED SOFTWARE". USE OF THE LICENSED SOFTWARE IS SUBJECT TO THE TERMS OF THIS LICENSE	~
Image: Save As     Image: Save As	
< <u>B</u> ack <u>N</u> ext >	Cancel

• A new window will appear showing the files being installed, wait until this process is completed.

• When the G4-MBC-HUB-xx device driver finishes installing the Finish screen will appear click **Finish**.

CP210x U	SB to UART Bridge Driv	er Installer
	Completing the In CP210x USB to UA	stallation of the RT Bridge Driver
	The drivers were successfully in	stalled on this computer.
	You can now connect your dev came with instructions, please re	ice to this computer. If your device and them first.
	Driver Name	Status
	✓ Silicon Laboratories (sila	Ready to use
	< <u>B</u> ack	Finish Cancel

• The G4-MBC-HUB-xx device driver has successfully been installed. It is now okay to connect to the G4-MBC-HUB-xx.

# Verify Program Checksum for G4 System

1. Find the G4 MBC module in the following location



2. Connect MBC to a computer with an USB Type-A to Type-A cable



3. Execute the "G4 Program Downloader V1.x" on the computer.

Module Type	G4_MBC	$\sim$				
Connect Type	ILISR	O. Wi-Fi		Selected F	iles	
COM Port	~	Scan COM Port	File Name	Туре	Size	Modified Date
Module ID	~	Scan ID				
DINE	Program Information	ation				
Item Created Date Object File ID Field Number	Download File	Upload File				
Order Number Revision Check Sum						
Selected ID	Rea	ad Module MSG				
Real Time Information	n Data					

4. If the COM port is found, use the default COM port number, if not, click the [Scan COM Port]

5. Click [Scan ID], the system will get the module information from the MBC. The Module ID should be "77".

Data transmission	channel set		Select Download Folder			Add Files Remove Files
Module Type	G4_MBC		Select Download Folder			Add files Remove files
Connect Type	USB	🔿 Wi-Fi		Selected File	95	
COM Port	COM3 ~ 5	Scan COM Port	File Name	Туре	Size	Modified Date
Module ID	~	Scan ID				
DINE	EX Program Informati	on	1			
Item Created Date Object File ID Field Number Order Number Revision Check Sum ielected ID F Real Time Informati	Download File	Upload File				
oduct Name : 10	Controls G4 Proc	ıram Download	er			

<ul> <li>Data transmission</li> </ul>	channel set					A.U.S. D
Module Type	G4_MBC	$\sim$	Select Download Folder			Add Hies Hemove
Connect Type	USB	🔿 Wi-Fi		Selected F	les	
COM Port	COM3 ~ 5	Scan COM Port	File Name	Туре	Size	Modified Date
Module ID	77 ~	Scan ID				
DIN	EX Program Informati	on				
ltem	Download File	Upload File				
Created Date		07/06/18				
Object File ID		77				
Field Number		0009				
Order Number		3466				
Permision		A				
Selected ID 77	Read	Module MSG	<b>/</b>			
	File Transfer Status					
Real Time Informat	ion Data					
Module MSG read	complete.					
<		>				

#### 6. The checksum is in the middle of the left panel