## How to Resolve XC8 Issues

\*\*\* If you installed the XC8 and the compiler is not functional, follow the steps to resolve the issues\*\*\*\*

Note: 1. After your installations of HI-TECH C and XC8, you must check the followings before you use the C Compiler: Under the MPLAB, Select Project, Click on "Set Language Tool Locations..."



## 2. Make sure the HI-TECH C has the passes/linkage as "C:\Program Files (x86)\HI-TECH Software\PICC\9.83\bin\picc.exe"

E CCS C Compiler 6	bler & U Compiler	6/19/24/deDIC*	20/4-01022	
HI-TECH Universe	al ToolSuite	0/10/24/0sF1C.	50/03/1035	
Executables				
HI-TECH	ANSI C Compiler			
	h Paths & Directo	ories		
IAR PIC18				
🗄 IAR Systems Mid	ange			
Microchip ASM18	Toolsuite			
🗄 Microchip ASM3	) Toolsuite			
🗄 Microchip C17 To	olsuite			
🛉 Microchip C18 T	olsuite			
Location				

## 3. Make sure the XC8 has the passes/linkage as "C:\Program Files (x86)\Microchip\ xc8\v1.20\bin\xc8.exe"

Microchip ASM16     Microchip ASM30     Microchip C17 To	Toolsuite Toolsuite alsuite		^
Microchip C18 To	olsuite		
Microchip C30 To	blsuite		
Microchip MPASM     Microchip PIC22 0	Toolsuite Compiler Toolewite		
Microchip XC16 T	-complier rooisuite		
Microchip XC32 C	Compiler Toolsuite		
🚊 Microchip XC8 To	olsuite		
Executables			
Microchip	MPLAB XC8 Compiler		~
Levelier			
Location			

## If you do not have these linkages with HI-TECH or XC8, it is the likely you must to set it up manually. Follow the following steps to complete the setup.

- 1. Click on the Windows on your right lower corner of the
- 2. Search for MPLAB IDE
- 3. Right Click on MPLAB IDE





4. Click on More and Select "Run as administrator"



 Under the MLAB, Select Project and Click on "Set Language Tool Locations...", , Select "microchip xc8 toolsuite", Select "Executables", Click on "Microchip MPLAB XC8 Compiler":

Set Language Tool Locations	×
Registered Tools	
Microchip ASM30 Toolsuite     Microchip C17 Toolsuite     Microchip C18 Toolsuite     Microchip C30 Toolsuite     Microchip MPASM Toolsuite     Microchip PIC32 C-Compiler Toolsuite     Microchip XC16 Toolsuite     Microchip XC32 C-Compiler Toolsuite     Microchip XC43 Toolsuite     Microchip XC43 Toolsuite     Default Search Paths & Directories	~
Location C:\Program Files (x86)\HI-TECH Software\PICC\9.83\bin\picc.exe Help OK Cancel	Browse

6. It is likely that the linkage is not set properly, so Click on Browse to the system drive C:\ and set the linkage as indicated below and Select **Apply**.

<ul> <li>Microchip ASM16 Tool</li> <li>Microchip ASM30 Tool</li> </ul>	suite suite		-
Microchip C17 Toolsuit	е		
Microchip C18 Toolsuit	e		
Microchip C30 Toolsuit	e		
Microchip MPASM Too Microchip PIC22 C Corr	oisuite anilar Taalaaita		
Microchip ML32 L-Lor	npiler roolsulte iite		
Microchip XC32 C-Corr	nie niler Toolsuite		
Microchip XC8 Toolsui	e		
Executables			
Microchip MPL	AB XC8 Comp	iler	~
location			
C:\Program Files (x86)\Micr	ochip\xc8\v1.	20\bin\xc8.exe	Browse

7. You will also need to check on the followings: Right Click on MPLAB and Select **More**, Click on **"Open file location**", Select **"Shortcut**", Click on **"Advance**", Check on **"Run as Administrator**", Click on Ok to complete:

Name	Date modified	Type Size
📕 Maestro	2/7/2021 12:34 PM	File folder
🔊 Documentation	2/7/2021 12:34 PM	Shortcut 2 KE
	2/7/2021 12:34 PM	Shortcut 3 KE
🔗 MPLAB IDE Help	2/7/2021 12:34 PM	Shortcut 2 KE
🔁 MPLAB IDE	2/7/2021 12:34 PM	Shortcut 3 KE
r髎 Setup MPLAB Tools	MPLAB IDE Properties	× 3 KE 2 KE
🚂 Visual Procmd	Security Details	Previous Versions 2 KE
	General Short	Compatibility
		_

Target type:

Target:

Start in:

Run:

Shortcut key:

Comment:

Open File Location

Target location: Core

Application

None

Normal window

ОК

es (x86)\Microchip\MPLAB IDE\Core\MPLAB.exe"

"C:\Program Files (x86)\Microchip\MPLAB IDE\Co

Cancel

Change Icon...

 $\sim$ 

Advanced...

Apply

MPLAB IDE Properties X		
Advanced Properties	×	
Choose the advanced properties you want for this shortcut.	c	on
Run as administrator This option allows you to run this shortcut as an administrator, while protecting your computer from unauthorized activity.		
Run in separate memory space		
OK Cancel		
Open File Location Change Icon Advanced		

8. Select the **Compatibility** on the menu, Check on **"Run this program as administrator**", then Click on **Apply** 

MPLAB IDE v8.91	Properties	×
Security	Details	Previous Versions
General	Shortcut	Compatibility
If this program isn't try running the com	working correctly or patibility troublesho	n this version of Windows, oter.
Run compatibility	troubleshooter	
How do I choose co	mpatibility settings	manually?
Compatibility mode		
Run this progr	am in compatibility	node for:
Windows 8		~
WINDOWS 0		·
Settings		
	mode	
8-bit (256) color	$\sim$	
Run in 640 x 4	80 screen resolutio	n
Disable fullser	een optimizations	
Run this progr	am as an administra	ator
Register this p	rogram for restart	
Change big	h DBI sottings	
Change hig	in Dri settings	
<b>^</b>		
Change settir	ngs for all users	
	ОК	Cancel Apply

9. If the XC8 compiler still presents an error message as cannot open or locate "**xc.h**". Do the following: