## Enabled Secure Boot issues with Schneider Electric PLC USB Driver & Unitelway Driver. (Windows 10 1607 and upper versions)

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## Displayed Error with secure boot enabled

When you connect a PLC USB Device you will see following Error Message in the Device Manager



When you connect a Unitelway Device you will see following error message in the Device Manager



# Permanent Workaround (Disable Secure Boot in BIOS)

1. Power On your computer and launch **BIOS SETUP** settings.

2. In BIOS, **disable** the **Secure Boot** option. (the setting is commonly found at **Security** section or at **Boot Options** section)

# Temporary Workaround (Disable Drive Signature Enforcement)

- 1. Click at the Windows **Start** Button and select **Power**.
- 2. Press and HOLD down the SHIFT key and then click Restart.



3. When Windows restarts, press "Troubleshoot".





4. In the "Troubleshoot options" screen, choose "Advanced options".



5. In the "Advanced Options" window, choose "Startup Settings".

©	Adva	anced options
		System Restore Use a restore point recorded on your PC to restore Windows
	+	System Image Recovery Recover Windows using a specific system image file
	< <b>0</b> >	Automatic Repair Fix problems that keep Windows from loading

6. In "Startup Settings" screen, click "Restart".





7. After restart, select the "Disable driver signature enforcement" option and press Enter.

If you see the below screen (**Startup Settings**), press the "**F7**" (or the "**7**") key on your keyboard to select the "**Disable driver signature enforcement**" option.



Windows will now boot "disabled driver signature enforcement".

Now you will be able to use the driver, but once you restart your computer the **driver signature en**forcement will be **enabled** and you have to go through all steps again!



# Correctly behavior if one workaround was executed

#### Unitelway Driver

Open **Device Manager** and check that "**This device is working properly**" is displayed for UNTLW WDM Device.



#### PLC USB Driver

Connect a PLC to your computer. Open **Device Manager** and check that "**This device is working properly**" is displayed for your PLC Device.





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To check your USB Device connection is established correctly, right click Windows Start Button and select Control Panel.

View by: Category -

User Accounts

Appearance and Personalization Change the theme Clock, Language, and Region

Add a language Change input methods Change date, time, or numb

Ease of Access Let Windows suggest settings Optimize visual display

- 🗆 X

✓ ♂ Search Control Panel

Click on Category and select Large Icons.

Review your computer's status Save backup copies of your files with File History Backup and Restore (Windows 7) Find and fix problems

Adjust your computer's settings System and Security

> Network and Internet Lonnect to the Internet /iew network status and tasks Choose homegroup and sharing optio

Hardware and Sound

View devices an Add a device Programs Uninstall a program

#### Open Drivers Manager.

🔝 Control Panel

← → ~ ↑ 🔛 > Control Panel

All Control Panel Items			-	o x
← → × ↑ 🔛 > Conti	rol Panel > All Control Panel Items		<ul> <li></li></ul>	Q
Adjust your computer's	s settings		View by: Large icons	
Administrative T	íools 🗾 AutoPlay	Backup and Resto (Windows 7)	ore 🥞 BitLocker Drive Encryption	
🛐 Color Managem	ent 🛛 🥘 Credential Manage	er 🔐 Date and Time	Default Programs	
🧶 Device Manager	Devices and Printe	rs j Display	Drivers Manager	
Ease of Access C	Center File Explorer Optio	ns 🛛 📕 File History	Flash Player (32-bit)	- 1
A Fonts	• HomeGroup	Indexing Options	Infrared	- 1
Internet Options	s 👞 Keyboard	🕼 Language	Mouse	- 1
Network and Sh Center	naring 🔛 NVIDIA Systemste	uerung 🧕 Yersonalization	Phone and Modem	- 1
Power Options	Programs and Fea	tures 🛛 💀 Realtek HD Audic	Manager 🛵 Recovery	- 1
Region	RemoteApp and D Connections	esktop 🛛 🜾 Security and Mair	ntenance 🌖 Sound	
Speech Recogni	tion 🛞 Storage Spaces	Svnc Center	System	~

In Drivers Manager choose PLC USB Drivers Tab. Virtual Port will display under which COM Port the device is connected.









With a click on **More** the **PLC USB Diagnostics** Tool will open. In the last entry you should see "**USB OK**".

PLC USB Driver Diag		
	nostic	
		USB
Status :	Running	
Remote IP :	90.0.0.1	
Local IP :	90.0.0.2	
Log view		
	$\sim$	
0: 8-10-20	017 9h: 10mn: 10s:810ms-6USB OK	^
0: 8-10-20	0179h:10mn:10s:810ms-6USBOK	~

