How to RUN PONYPROG2000 WITH WINDOWS 7 x64

Philipp Heine, www.philipp-heine.de, admin@philipp-heine.de

This sheet describes step by step what actions are needed, to run PonyProg2000 under *Windows7 with x64 architecture*. PonyProg2000 is a free license programmer tool for microprocessors like the ATmega family, designed by Claudio Lanconelli and can be downloaded at http://www.lancos.com. I tested this modification on my configuration with Windows 7 Professional and if it won't work with your system please send me an email with a short explanation and describe your issues. Even though I use the German language version of Windows 7, I hope most of the pictures are easy to understand.

1. PROBLEMS FACING THE INSTALLATION

When you try installing PonyProg2000 on your x64 System and the following error message appears, this is the right tutorial for you.



PonyProg was created when most systems worked with a x86 architecture so the "old" installation routine, which is still used by PonyProg, is getting blocked. You now need to do several changes to your system to be able using PonyProg with Windows 7 x64.

2. FIRST STEP - PONYPROG FILES

First of all, you need to get all PonyProg Files without using the installation(!). You can download the whole package at http://www.philipp-heine.de/ponyprog2000.rar. Create a new folder and unzip all files there.



3. SECOND STEP - RENEW THE DLPORTIO.SYS AND .DLL

Here comes the critical part. PonyProg uses some old PortI/O routines which don't work with Windows 7 x64. In order to install new system files with a Windows 7 system you need to sign theses files. As first step you need to download the new DlportIO files at <u>http://www.philipp-heine.de/DlportIOx64.zip</u> and copy the DlportIO.sys and DlportIO.dll to both your system32 and your PonyProg main folder.

The path to your system32 folder should look like this:

C:\Windows\System32

4. THIRD STEP - SIGNING THE NEW PORTIO FILES

In order to get Windows working with unsigned drivers, we need to sign the files by ourselves. For this step we need a tool called "Driver Signature Enforcement Overrider" which can be found at http://www.heise.de/software/download/driver_signature_enforcement_overrider/71186.

Run the .exe as an admin,

Anwendung (1)			
State Priver Signature Enforcement Override.exe)1_08	3 2009 19-47 Apwendung 706 KR	
A Dataiordnor (1)		Öffnen	1
	6	Als Administrator ausführen	
🐌 PonyProg2000		Behandeln von Kompatibilitätsproblemen	
WinRAR-Archiv (1)	Ø	Ausgewählte Dateien mit AntiVir überprüfen	-
PonyProg2000.rar		Zum Archiv hinzufügen	
		Zu "Driver Signature Enforcement Override.rar" hinzufügen	
	 Anwendung (1) Driver Signature Enforcement Override.exe Dateiordner (1) PonyProg2000 WinRAR-Archiv (1) PonyProg2000.rar 	 Anwendung (1) Driver Signature Enforcement Override.exe Dateiordner (1) PonyProg2000 WinRAR-Archiv (1) PonyProg2000.rar 1 	Anwendung (1) Image: Construct Signature Enforcement Override.exe 01.08.2009.19-47 Anwendung 706.KR Dateiordner (1) Offnen PonyProg2000 Als Administrator ausführen WinRAR-Archiv (1) Behandeln von Kompatibilitätsproblemen Ausgewählte Dateien mit AntiVir überprüfen Zum Archiv hinzufügen Zu "Driver Signature Enforcement Override.rar" hinzufügen

and choose the option "Enable Test Mode" and click next.

Driver Signature Enforcement Overrider				
NG				
Enable Test Mode				
O Disable Test Mode				
🔿 Sign a System File				
C How-To-Use				
C Remove Watermarks				
C Exit				
Next				
LAC must be disabled in-order to use this tool v1.3b.				

You need to restart your computer now and when it is up in Windows again you will see the following message in your lower right corner of the desktop.



Next step to take is the actual signing of the drivers which needs us to start DSEO again. Remember to start it as an admin. Now choose the option "Sign a system File" and sign all Dlportio.sys and Dlportio.dll in both your system32 and PonyProg folder.

🜆 Insert filename		X			
Please insert a filen C:\Windows\Syster	ame including full path. (Example: n32\Drivers\ATITool64.sys)	OK Cancel			
E:\Mikrocontroller\PonyProg2000\PonyProg2000\D1portI0.sys					

You need to restart your System again to apply the changes.

5. Fourth Step - loaddriver.exe and driver installation

If all system files are signed we need to apply the changes with PonyProg. Start with creating a shortcut to the loaddriver.exe which can be found in your PonyProg main folder.

Name	Datum	Тур	Größe	Markierungen			
IOADDRIVER.EXE	15.11.2010 2010	õu i	22.40				
PONYPROG2000.EXE	06.01.2008 2	Uttnen					
SI-PROG.exe	10.03.2003 2 V Als Administrator ausführen						
🛃 unins000.exe	13.11.2010 1	 Behandeln von Kompatibilitätsproblemen Ausgewählte Dateien mit AntiVir überprüfen Zum Archiv hinzufügen Zu "LOADDRIVER.rar" hinzufügen Packen und als E-Mail versenden Zu "LOADDRIVER.rar" hinzufügen und als E-Mail versenden An Taskleiste anheften 					
IportIO.dll	23.03.2006 2						
PONYPROG2000.HTML	06.01.2008 0 📜						
PonyProg	30.11.2004 1						
24C65FUSE.JPG	30.11.2004 1 🚆						
AT89S8252FUSE.JPG	30.11.2004 1						
NVR4433FUSE.JPG	30.11.2004 1						
E DEVMISSING.JPG	30.11.2004 1	Vorgängerversionen wiederherstellen					
🔄 FILLDLG.JPG	30.11.2004 1						
LANCOS.JPG	29.02.2000 1	Senden an		+			
PIC16F84FUSE.JPG	30.11.2004 1	Ausschneiden					
NOG-EDIT.JPG	29.02.2000 1	Konjeren					
NOG-NOTE.JPG	29.02.2000 1	Kopicien					
PROGOPTIONS.JPG	30.11.2004 1						
PROG-SAVEAS.JPG	29.02.2000 1	Löschen					

Right-click onto the created shortcut and add the command "-install" to the target:

🗾 Eigenschaften von LOADDRIVER.EXE - Verknüpfung					
Kompatibilität Sic Allgemein Verknüpfur	herheit 19 Optio	Details nen Schr	Vorgänge iftart Lavo	erversionen ut Farben	
LOADDRIVER.EXE - Verknüpfung					
Zieltyp:	Anwendur	ng			
Zielort:	PonyProg	2000			
Ziel:	PonyProg	2000\LOA	DDRIVER.E	XE -install	
Ausführen in:	E:\Mikroo	controller\Po	nyProg2000	PonyPro	
Tastenkombination:	Keine				
Ausführen:	Normales	Fenster		-	
Kommentar:					
Dateipfad öffnen	Anderes	Symbol	Erweite	ert	
	ОК	Abb	rechen	Übernehmen	

Now run the "LOADDRIVER.EXE" via our created shortcut, remember to do this with the "run as admin" option! This will start/close automatically when everything worked.

You should now be able to run PonyProg2000, just start it with the admin-option, too.

Have fun at programming!

Regards 🙂,

Philipp