

Chapter 15 Using Soft-GRAF HMI in the Win-GRAF PAC

This chapter lists the way to run Soft-GRAF HMI in the Win-GRAF PAC. The Soft-GRAF is a software which allows user to create colorful HMI. User can easily edit HMI screen by mouse dragging and dropping the object and run both HMI and Win-GRAF softlogic in the same Win-GRAF PAC.

✖**Note:** Please refer the ISaGRAF FAQ 146 to get more information about using Soft-GRAF.

ISaGRAF FAQ146:

<http://www.icpdas.com/faq/isagraf/146.htm>

15.1 Restore the Win-GRAF Project

Please copy all demo programs into your PC.

CD-ROM of Win-GRAF PAC: \napdos\Win-GRAF\demo-project\Soft-GRAF-demo\

Demo project for both Win-GRAF and Soft-GRAF:

Win-GRAF demo	Soft-GRAF demo	Description
demo_soft-graf1	demo01	Demonstrate Soft-GRAF basic HMI object.
demo_soft-graf2	demo02	
demo_soft-graf3	demo03	
demo_soft-graf4	demo04	
demo_soft-graf5	demo05	Picture and animation picture (.gif).
demo_soft-graf6	demo06	Trend graph and gauge.
demo_soft-graf7	demo07a demo07b	Alarm
demo_soft-graf8	demo08	Data logger

You may restore the “demo_soft_graf01.zip” to your Win-GRAF workbench to get familiar with it. Then download to the Win-GRAF PAC. If you have no idea how to restore the Win-GRAF project. Please refer the [Section 13.1](#).

15.1.1 Install the Soft-GRAF Studio

Please download the “faq146_demo.zip” from the ISaGRAF FAQ146 web page.

<http://www.icpdas.com/faq/isagraf/146.htm>

ISaGRAF 146
back

Q: Soft-GRAF Studio : Create a Colorful HMI in the XP-8xx7-CE6/8xx7-Atom-CE6 & WP-8xx7 & VP-2xW7 PAC Ver. 1.11

Ans : 1. Please refer to faq146.pdf

2. Download Soft-GRAF Studio software, demo programs and document. (About 25MB)

3. View tutorial video of the "Soft-GRAF Studio"

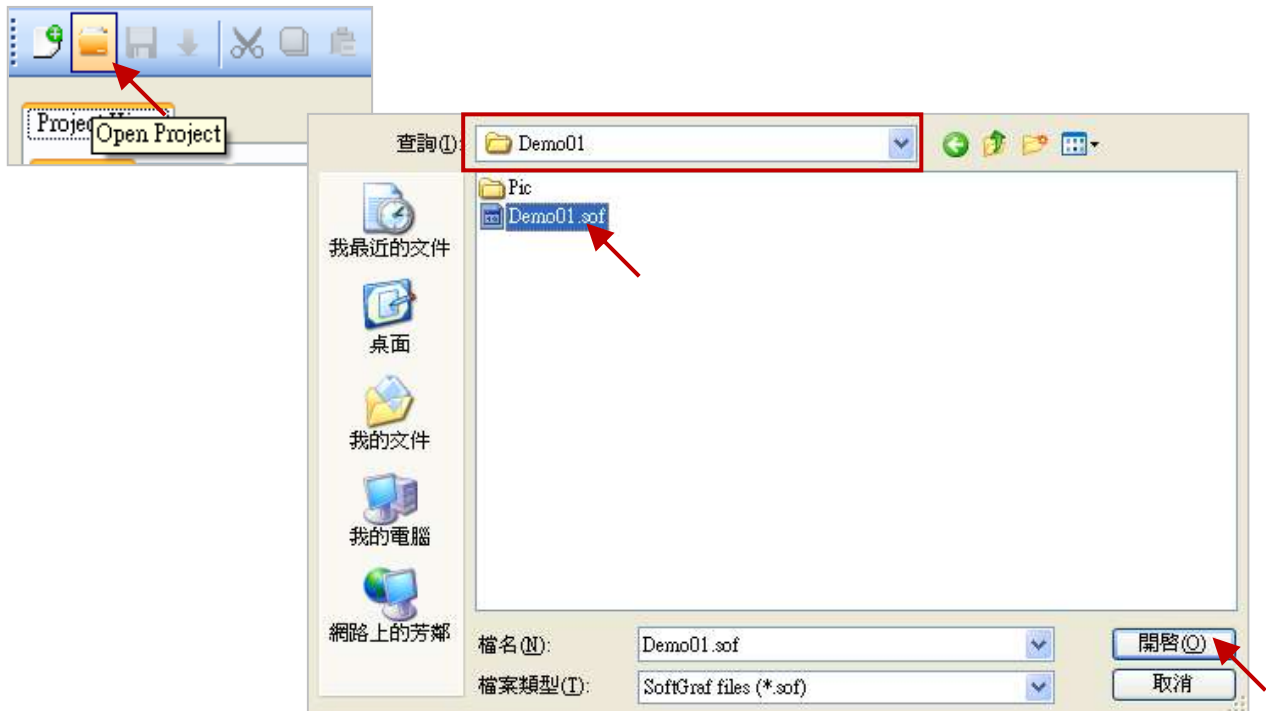
Click here to download

Written by Raven Liu
Date:2011/12/30

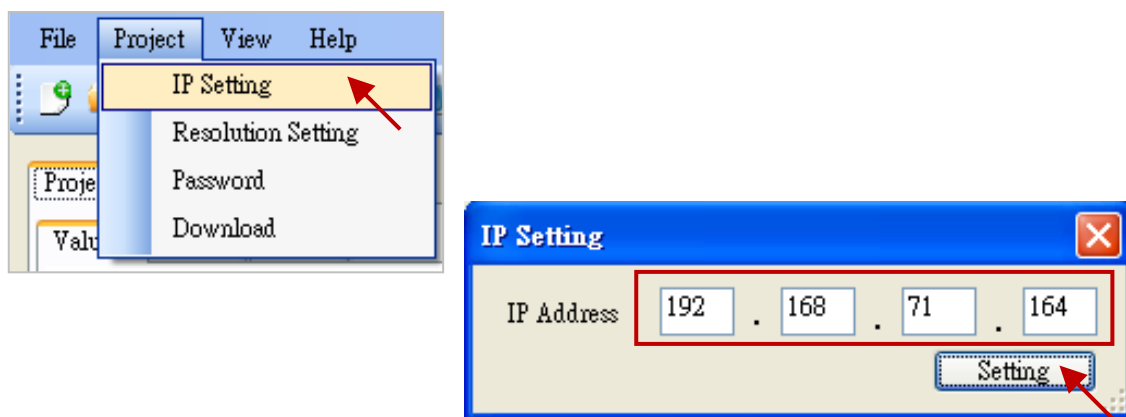
After unzip the file, please copy the “Soft-GRAF Studio” folder into “D:\”. Then, it becomes “D:\Soft-GRAF Studio”.

15.1.2 Download the Soft-GRAF HMI Project to the Win-GRAF PAC

Executes the “Soft-GRAF Studio.exe” from the “D:\Soft-GRAF Studio”. Then click the “open project” on the upper left screen. Open the “demo01.sof”.



Click “project” -> “IP Setting”. Setup the IP address of the Win-GRAF PAC.

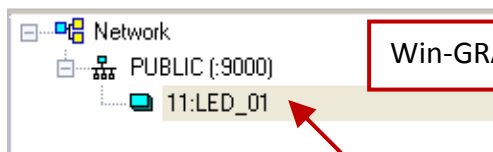


Click “download” to download HMI project to the Win-GRAF PAC. If download success, you can see HMI on the Win-GRAF PAC screen.

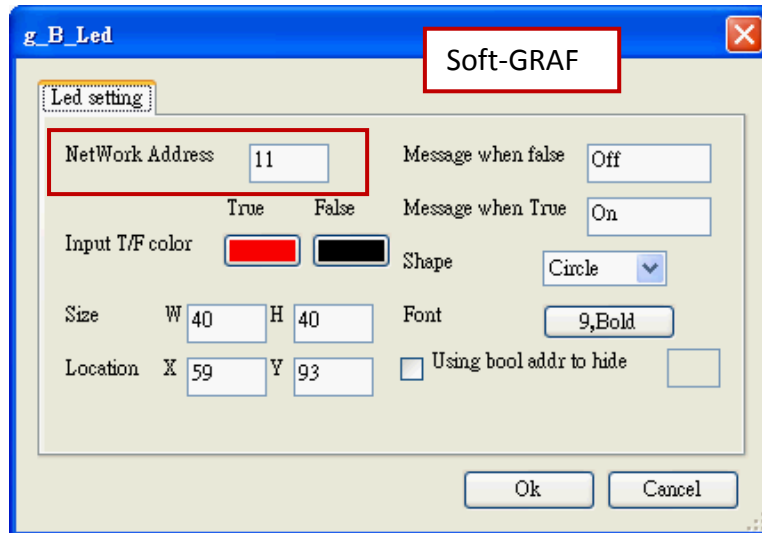


15.2 How to Develop Soft-GRAF HMI

Before user develops Soft-GRAF HMI, users have to publish Win-GRAF project variables. Then, Soft-GRAF HMI could read/write the Win-GRAF variables. Please refer the [Section 13.2](#) to get information about publishing Win-GRAF variables.



Win-GRAF



Soft-GRAF

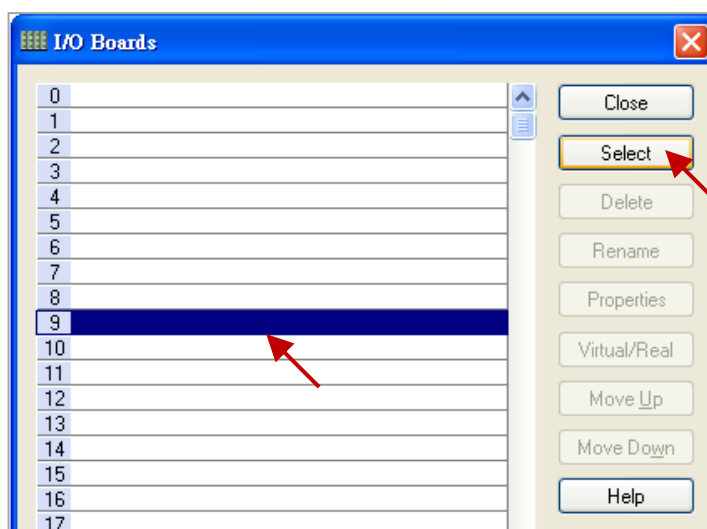
The left example shows a Win-GRAF variable “LED_01” with address “11” is published. If user wish to use Soft-GRAF to read/write this variable. Then user has to set “NetWork Address” to 11 in Soft-GRAF Studio object. (This Soft-GRAF HMI object is “g_B_Led”.)

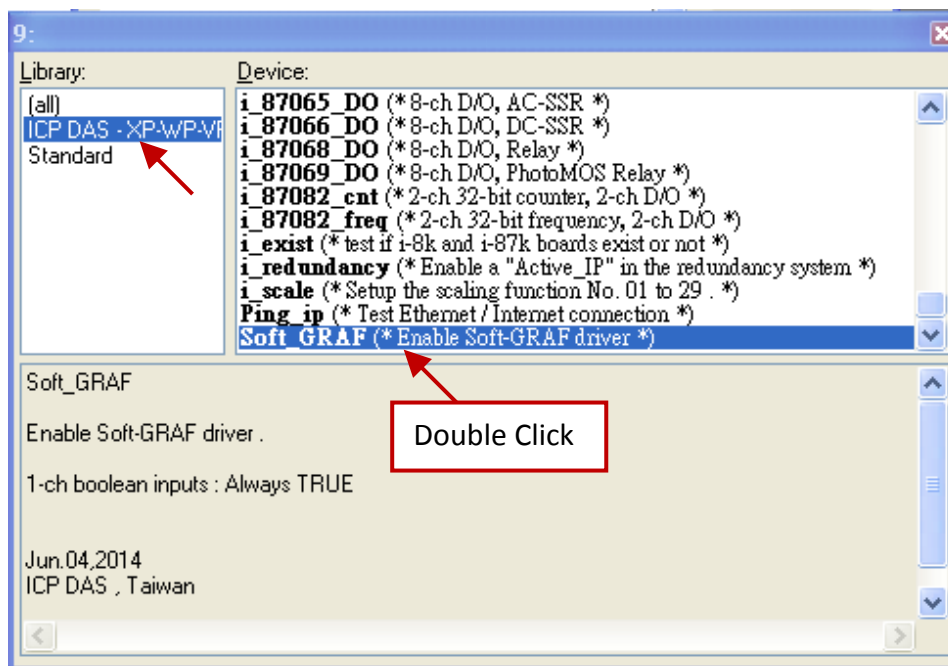
There is another setting in the Win-GRAF workbench before user develops Soft-GRAF HMI. User needs to add “Soft-GRAF” in the Win-GRAF “IO boards”. The following steps demonstrate how to add it.

Click “Open I/Os” on Win-GRAF toolbar.



Click Slot 8 or larger slot NO. (suggest value is 9) position. Then click “Select” button. Finally, mouse double click “Soft-GRAF” in the dialog.





After adding "I/O boards", please compile the Win-GRAF project. Then download to the Win-GRAF PAC. Then users can start to develop your Soft-GRAF HMI.

※Note: Please refer ISaGRAF FAQ146 chapter 1.2 to get more details about Soft-GRAF Studio.

ISaGRAF FAQ146:

<http://www.icpdas.com/faq/isagraf/146.htm>