

分類/Classification	<input type="checkbox"/> tDS	<input type="checkbox"/> tGW	<input type="checkbox"/> PETL/tET/tPET	<input type="checkbox"/> DS/PDS/PPDS	<input checked="" type="checkbox"/> TouchPAD
	<input type="checkbox"/> I/O Card	<input type="checkbox"/> VXC Card	<input type="checkbox"/> VxComm	<input type="checkbox"/> Other	
作者/Author	Tammy	日期/Date	2015-05-22	編號/NO.	FAQ014

Q: How can the PET-7060 be accessed using a TouchPAD?

A: Refer to the following for a detailed description of the configuration process:

Step 1: Connect the PET-7060 module to the same hub or the same sub-network as the Host PC, and then attach a power supply to the PET-7060. Configure the correct network settings for the PET-7060 module.

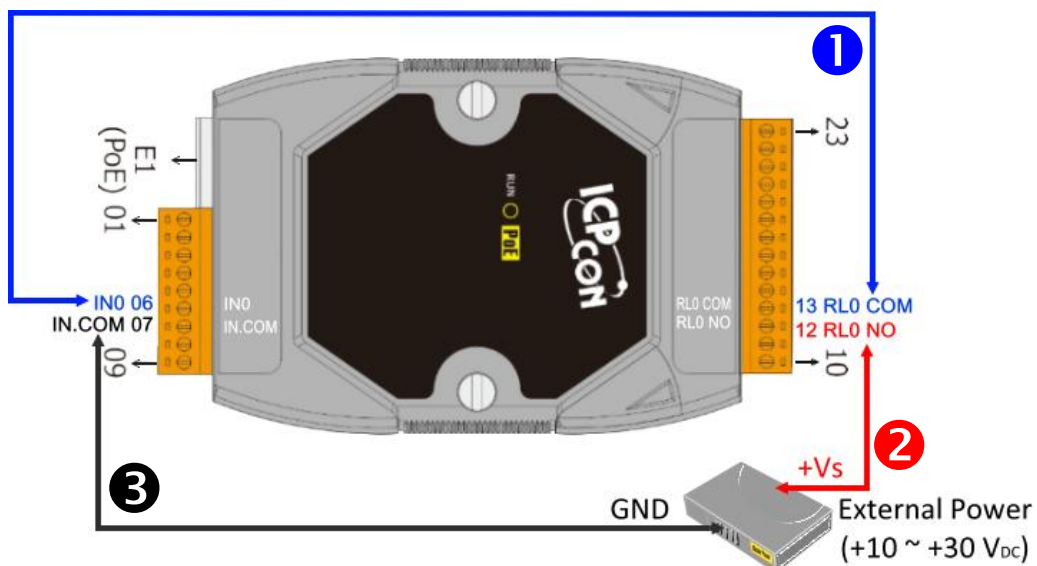
Refer to the PET-7060 Quick Start Guide for more detailed information.



[Download the Quick Start Guide.](#)

Step 2: To perform a self-test, connect the DO0 and DI0 pins on the PET-7060 module using the following method:

- (1) Connect the **RL0 COM** pin and the **INO** pin. (i.e., connect **Pin13** to **Pin06**).
- (2) Connect the **+10 V External Power** supply to the **RL0 NO** pin.
(i.e., connect to **External + 10 V** to **Pin12**)
- (3) Connect the **GND pin on the External Power** supply to the **IN.COM** pin.
(i.e., connect the **External GND** to **Pin07**)



Step 3: Install the **HMIWorks** driver, which can be obtained from either the companion CD-ROM or from the ICPDAS website, as indicated below:



CD:\NAPDOS\TouchPAD\Setup\



<http://ftp.icpdas.com/pub/cd/touchpad/setup/>

(1) Double-click the **“HMIWorks_STD_vxxx_setup.exe”** file icon to execute the driver installation program.

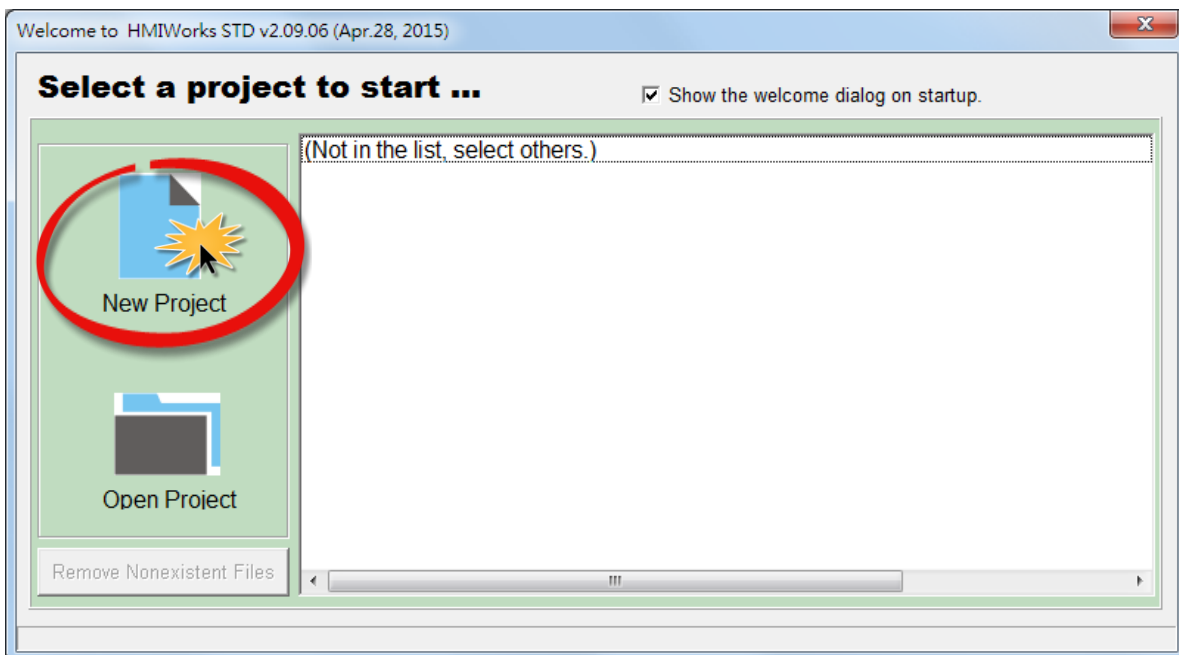


(2) Once the driver installation is complete, double-click the **“HMIWorks_STD_vxxx_Update_xx.exe”** file icon to execute the driver installation update program.



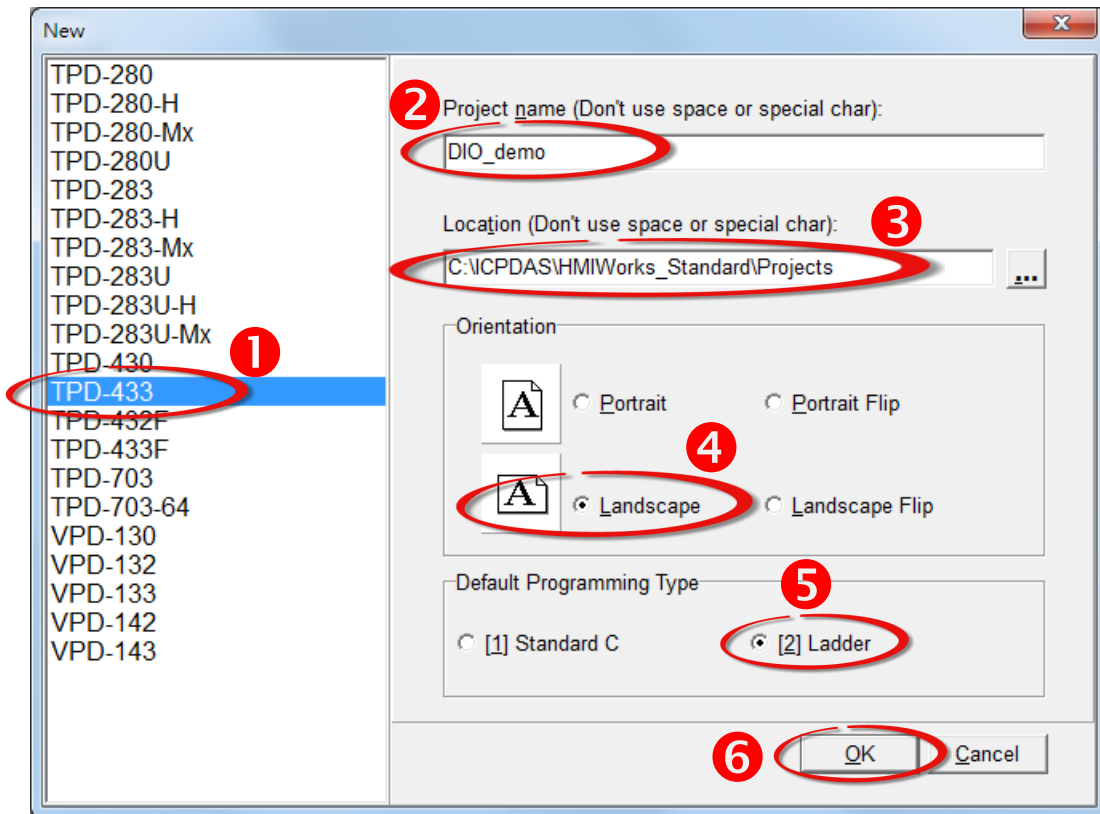
For more detailed information related to the driver installation, refer to Chapter 2 “Software Installation” in the [TouchPAD Getting Started](#).

Step 4: Click the **“New Project”** icon to create a new project.

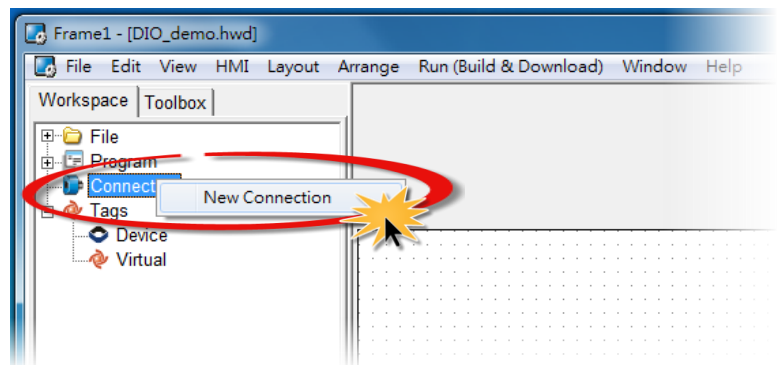


Step 5: In the “New” dialog box, configure the parameters for the new project as follows:

1. Select the TouchPAD model name, TPD-433 in this case.
2. Enter a name for the project.
3. Select the location where the project should be saved.
4. Select the orientation for the display.
5. Select the Default Programming Type.
6. Click the “OK” button to save the configuration.

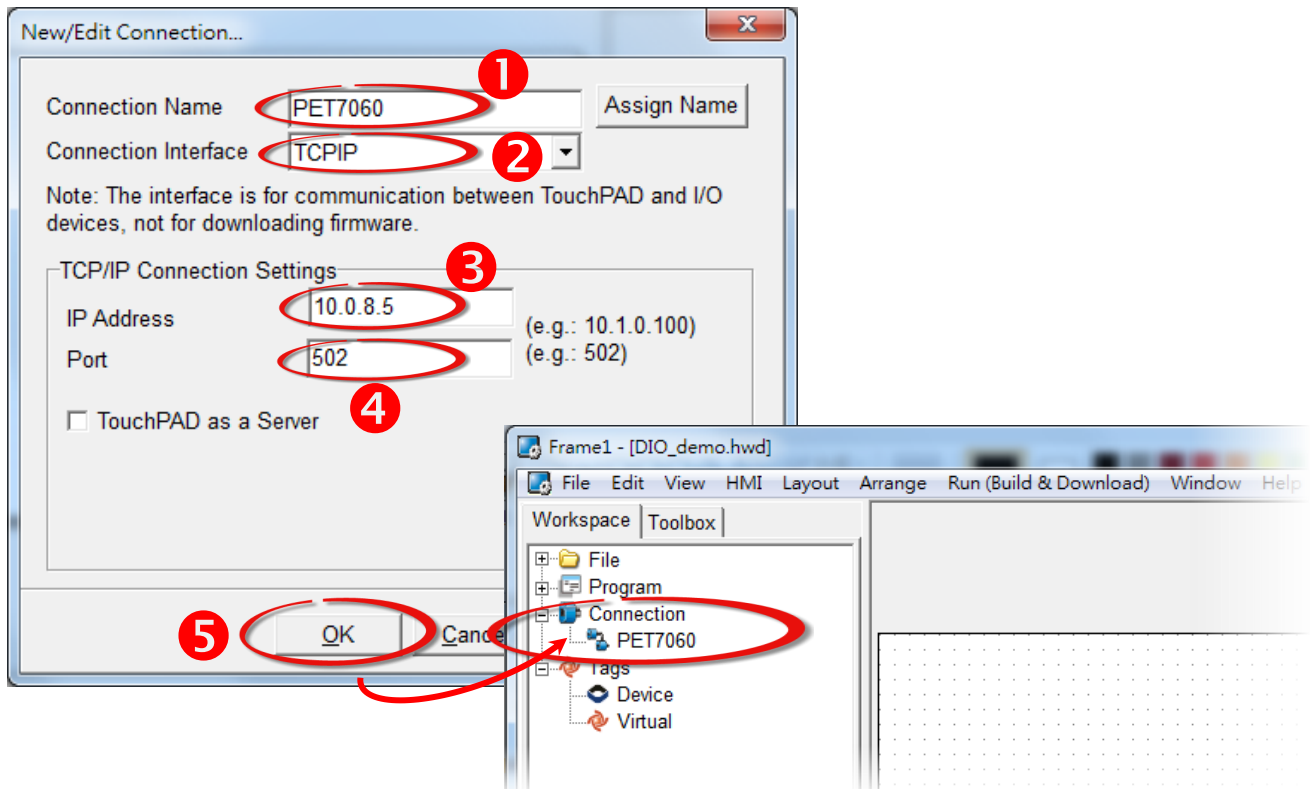


Step 6: Right-click the “Connection” item in the “Workspace” pane and then click the “New Connection” option to open the “New/Edit Connection...” dialog box.

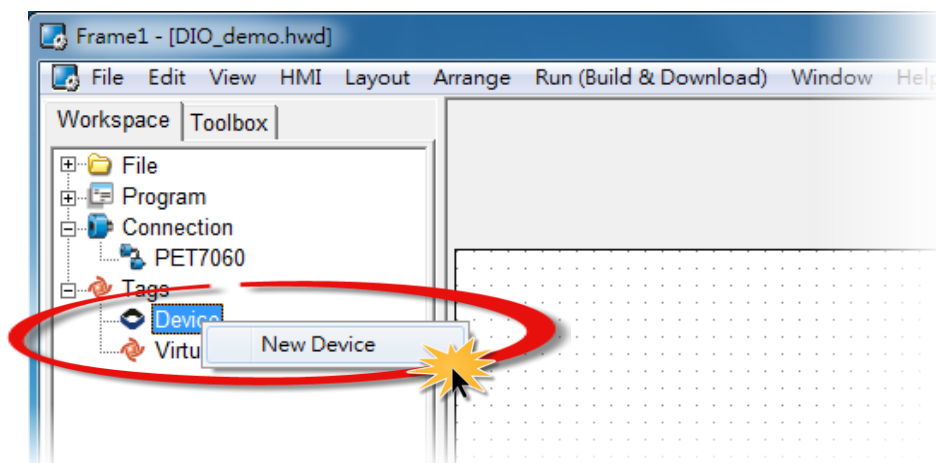


Step 7: In the “New/Edit Connection...” dialog box, configure the connection information of the PET-7060 module as follows:

1. Enter a name for the connection (e.g. PET7060, TCP1) in the “Connection Name” field.
2. Select “TCPIP” from the “Connection Interface” drop down menu.
3. Enter the **IP Address of the PET-7060** module in the “IP Address” field.
4. Enter the **TCP Port of the PET-7060** module in the “Port” field.
5. Click the “OK” button to save the configuration.

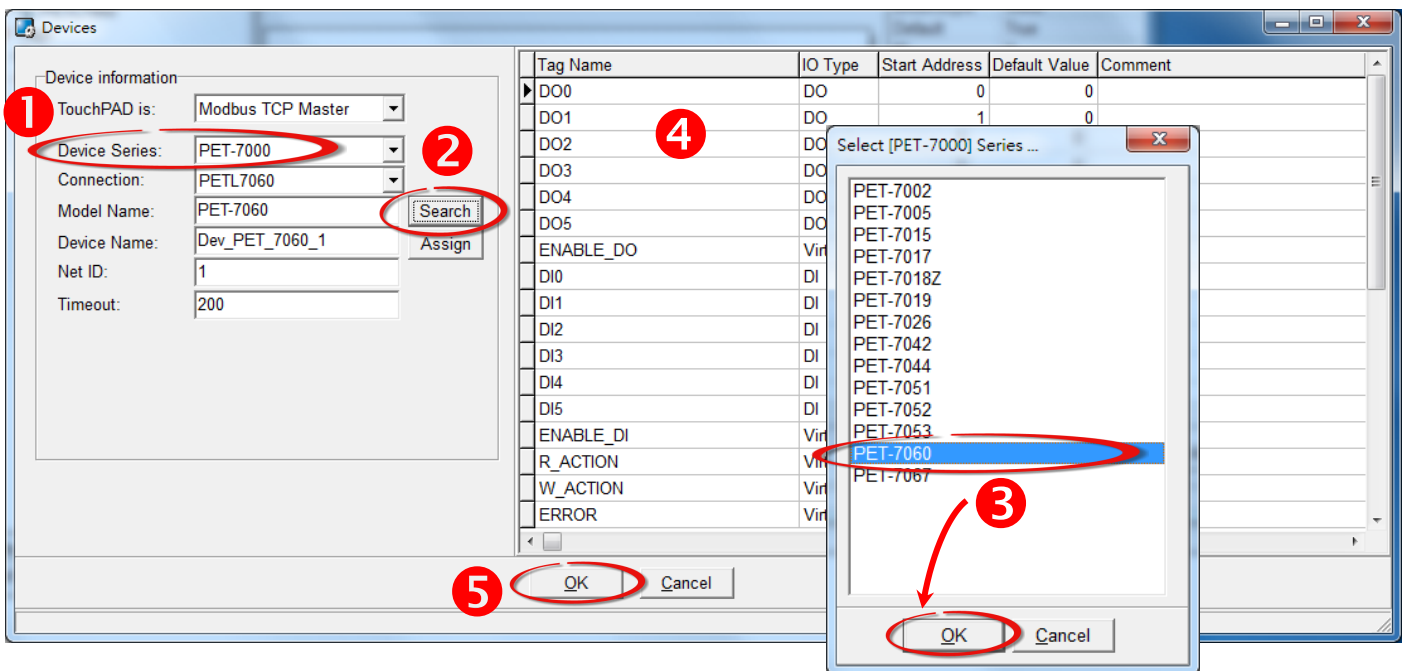


Step 8: Right-click the “Device” item in the “Workspace” pane and click the “New Device” option to open the “Devices” dialog box.

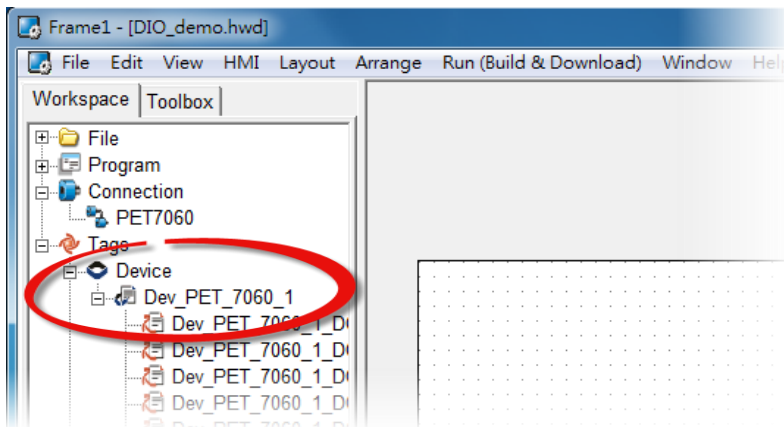


Step 9: In the “Devices” dialog box, configure the device information as follows:

1. Select “PET-7000” from the “Device Series” drop down menu.
2. Click the “Search” button to open the “Select [PET-7000] Series...” dialog box.
3. In the “Select [PET-7000] Series...” dialog box, select the PET-7060 module and then click the “OK” button.
4. Verify that the information for the PET-7060 module is correct (e.g., the Model Name, Device Name, Tag Name, IO Type, Start Address and Default Value, etc.).
5. Click the “OK” button to save the configuration.

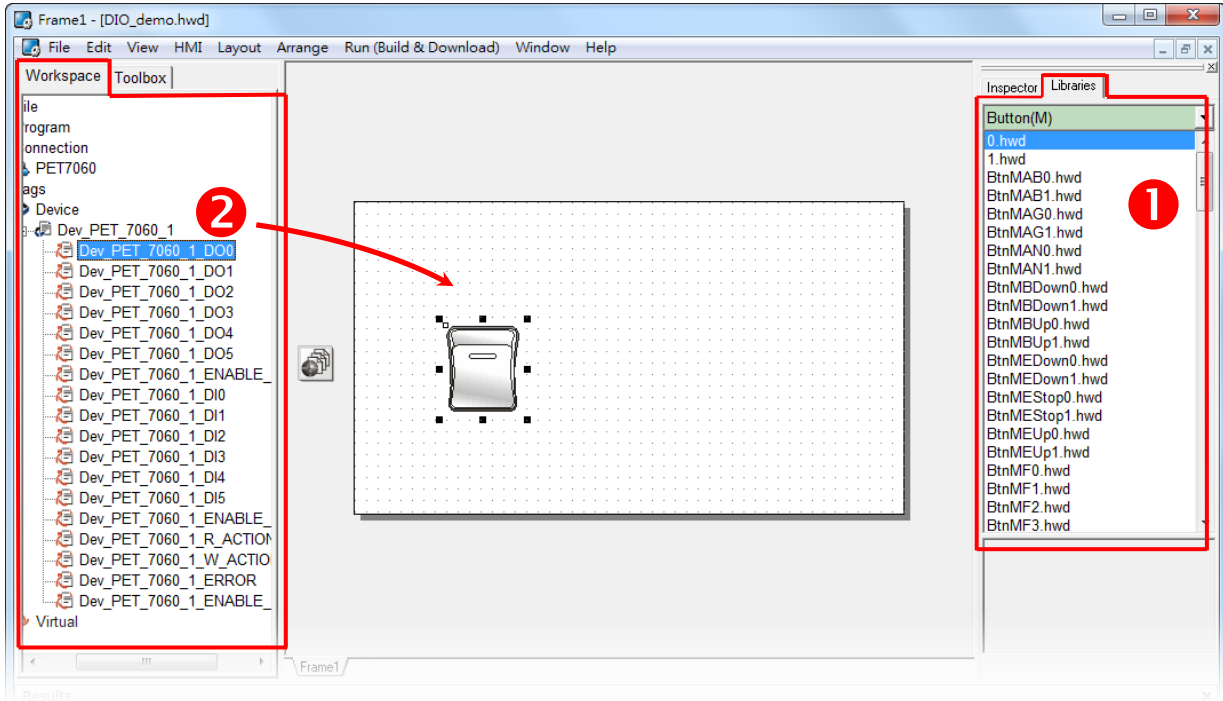


Step 10: The creation of the “Dev_PET_7060_1” device is now complete.

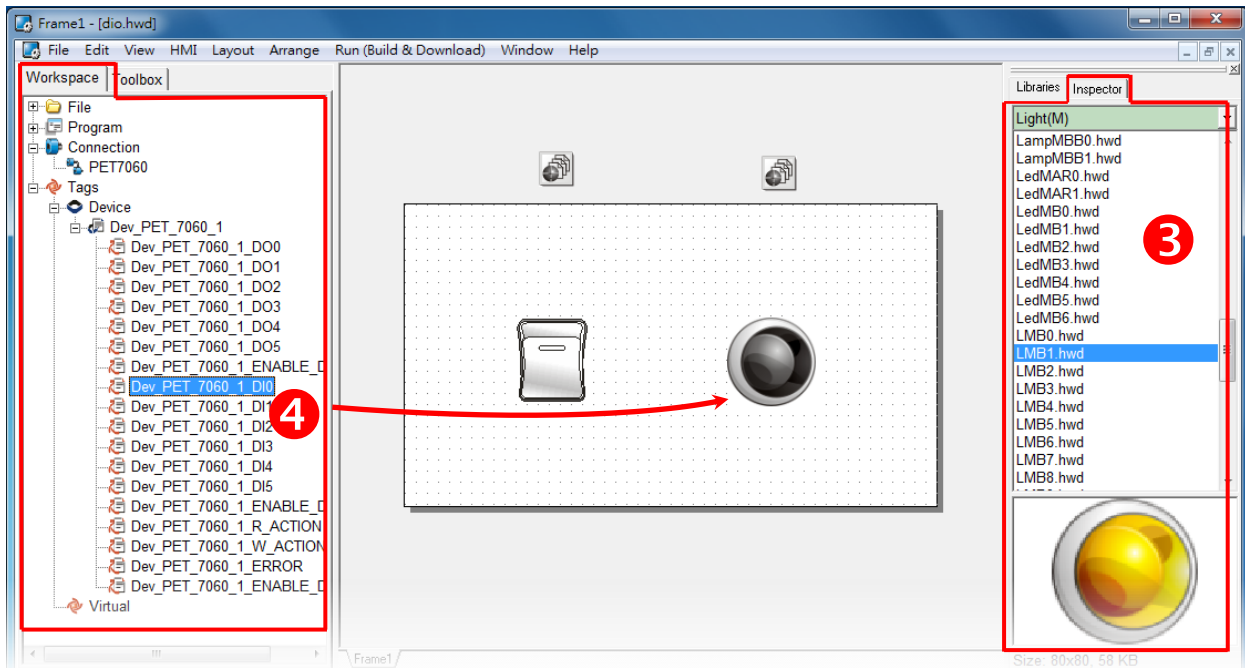


Step 11: Use the following procedure to create a DIO sample program:

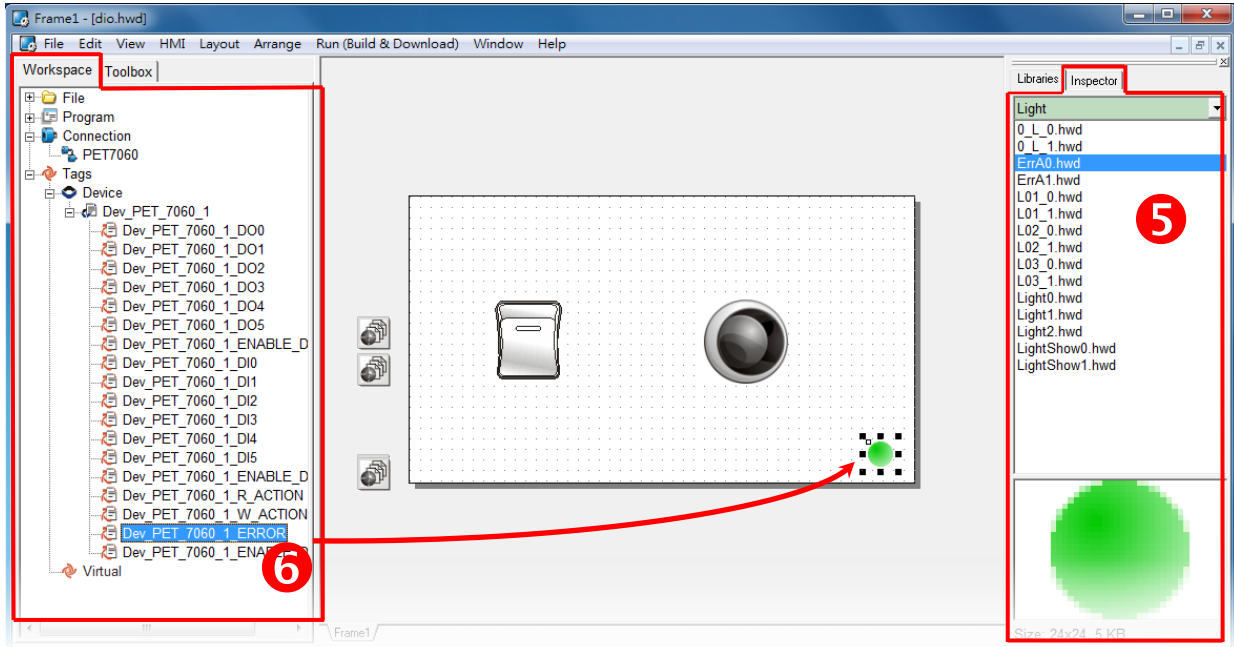
1. Select an icon to represent the DO0 tag from the "Libraries" pane.
2. Drag the "Dev_PET_7060_1_DO0" tag from the "Workspace" pane to the design frame.



3. Select an icon to represent the DIO tag from the "Libraries" pane.
4. Drag the "Dev_PET_7060_1_DIO" tag from the "Workspace" pane to the design frame.



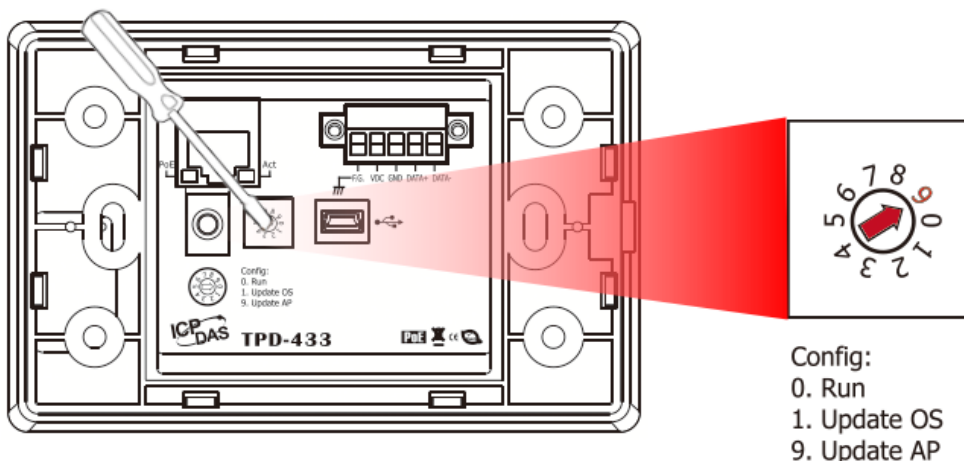
5. Select an icon to represent the EEROR tag from the "Libraries" pane.
6. Drag the "Dev_PET_7060_1_ERROR" tag from the "Workspace" pane to the design frame.



The creation of the DIO sample program is now complete.

Step 12: Once the DIO sample program is complete, it can be uploaded to the TPD-433 module via USB. The detailed configuration and wiring information is as follows:

1. Power off the TPD-433 module and use a flat-head screwdriver to set the **Rotary Switch** on the TPD-433 module to **"Update AP" mode (position 9)**. Note that the default configuration is **"Run" mode (position 0)**.

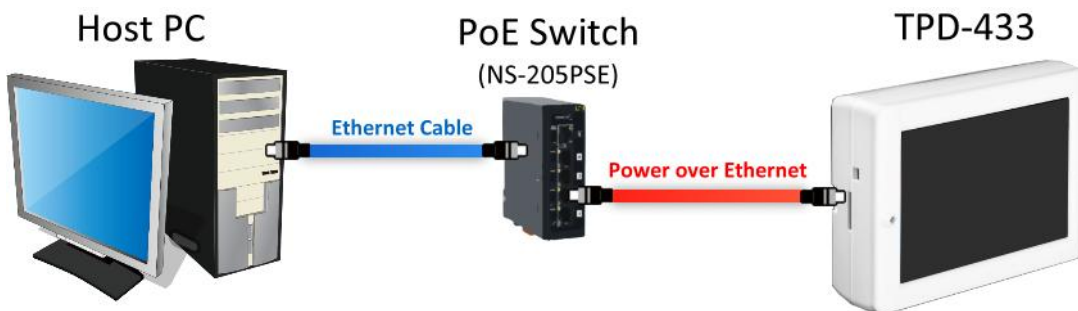


Config:
 0. Run
 1. Update OS
 9. Update AP

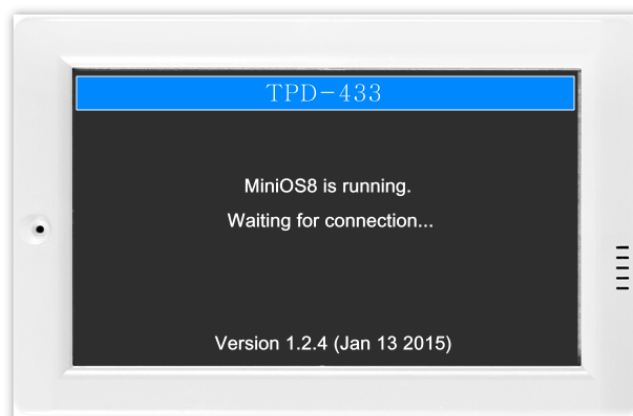
2. Connect the **TPD-433** module to the **Host PC** using a **CA-USB10** cable.



3. Connect both the TPD-433 module and the Host PC to the same sub network or use a Power over Ethernet Switch (e.g., an NS-205PSE) and supply power to the TPD-433 via the PoE Switch.

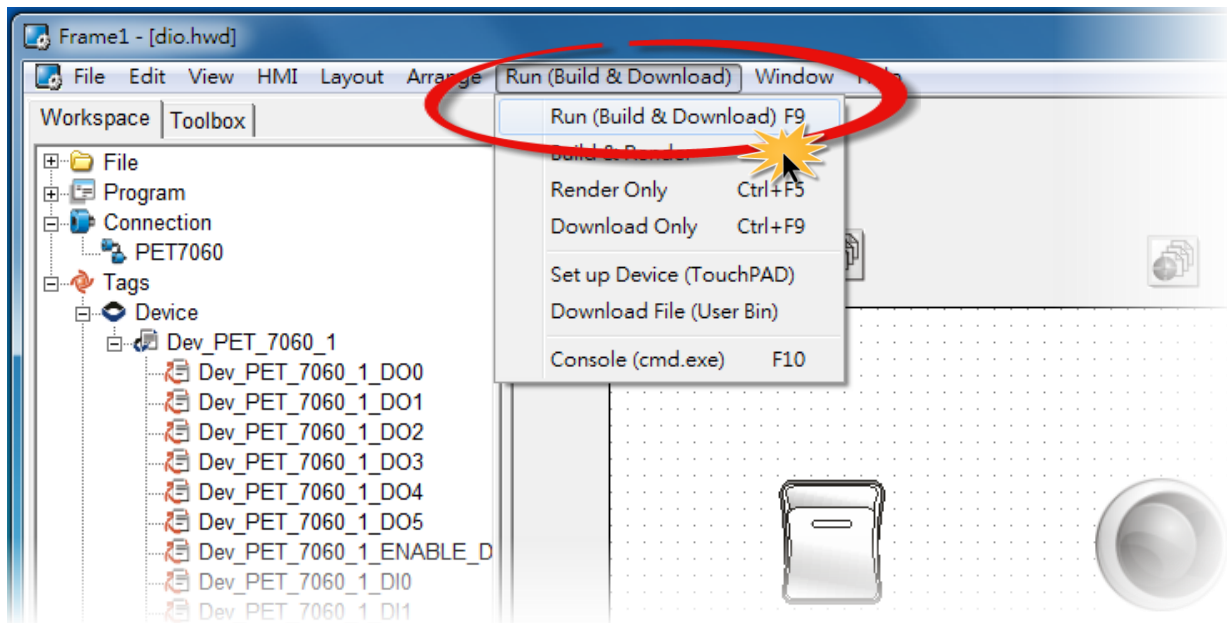


4. The message: **“MiniOS8 is running. Waiting for connection...”** will be displayed on the TPD-433 module.

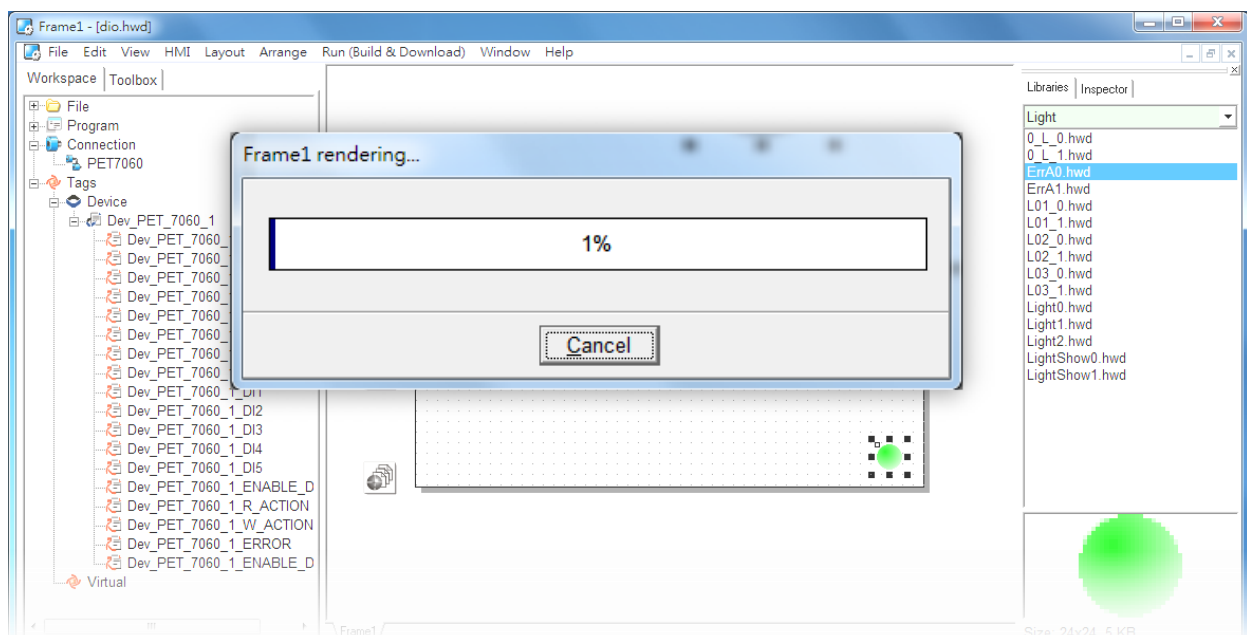


Step 13: The DIO sample program can now be uploaded to the TPD-433 module. Follow the procedure described below:

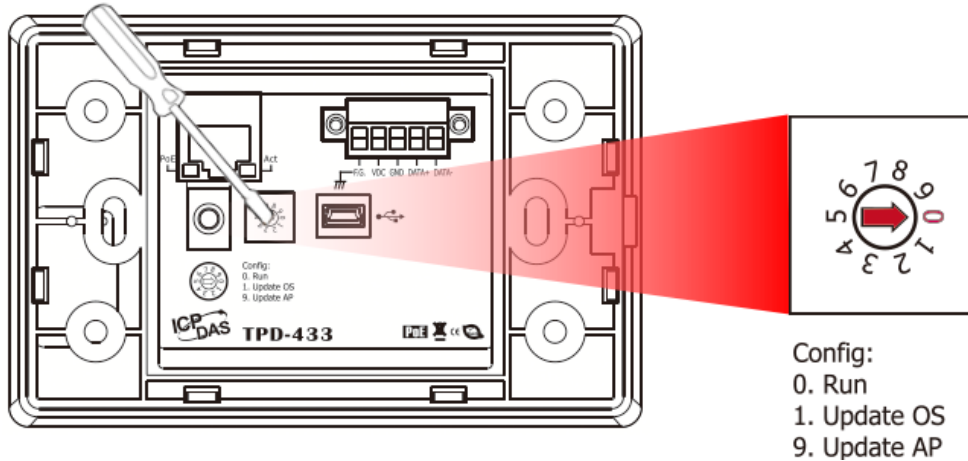
1. In the HMIWorks application, click the **“Run (Build & Download) F9”** item from the **“Run (Build & Download)”** menu, or press **F9**.



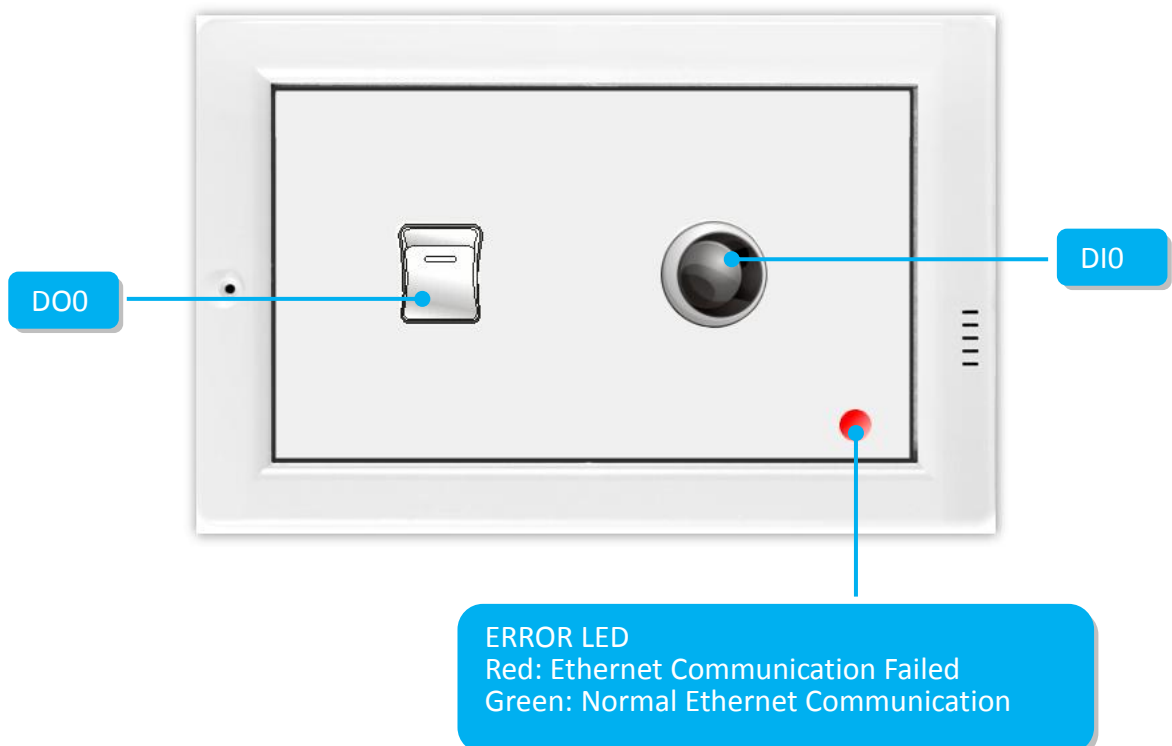
2. The **“Frame1 rendering...”** dialog will be displayed showing the progress of the update.



3. Once the upload is complete (i.e., when the progress indicator reaches 100%), power off the TPD-433 module and set the **Rotary Switch to "Run" mode (position 0)**.

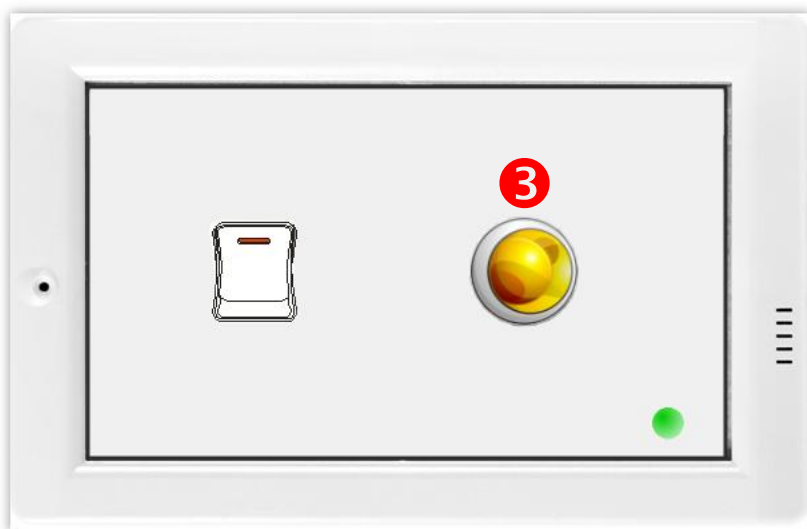
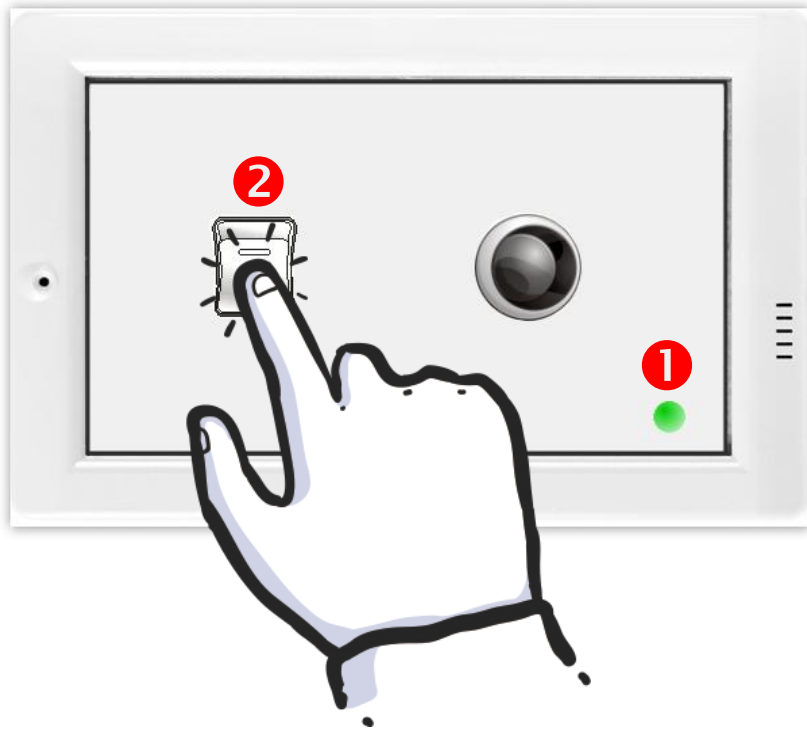


4. **Power-on and reboot** the TPD-433 module so that the module is operating in **"Run" mode**. The TPD-433 module will then execute the DIO sample program.



Step 14: Verify the results of the DIO functions test in the following manner.

1. Check that the ERROR LED on the PET-7060 is the normal operational state (green).
2. Tap the DO0 icon on the TPD-433 module.
3. Check that the DIO icon has changed between states (e.g., yellow or grey).



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