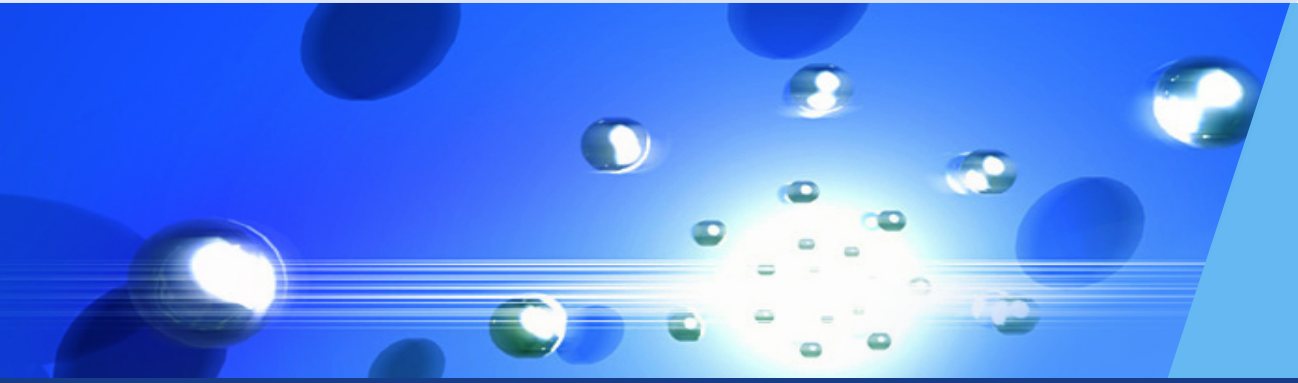


Chapter 7: How to Install MELSOFT Software

How to install MELSOFT Softwares

- **Step 1: Run Gx Developer V8 \ Environment \ SETUP.EXE**
- **Step 2: Run Gx Developer V8 \ SETUP.EXE**

  Press OK and input CD key: 170 – 974813410
- **Step 3: Install GX Simulator, run GX Simulator V7 \ SETUP.EXE**

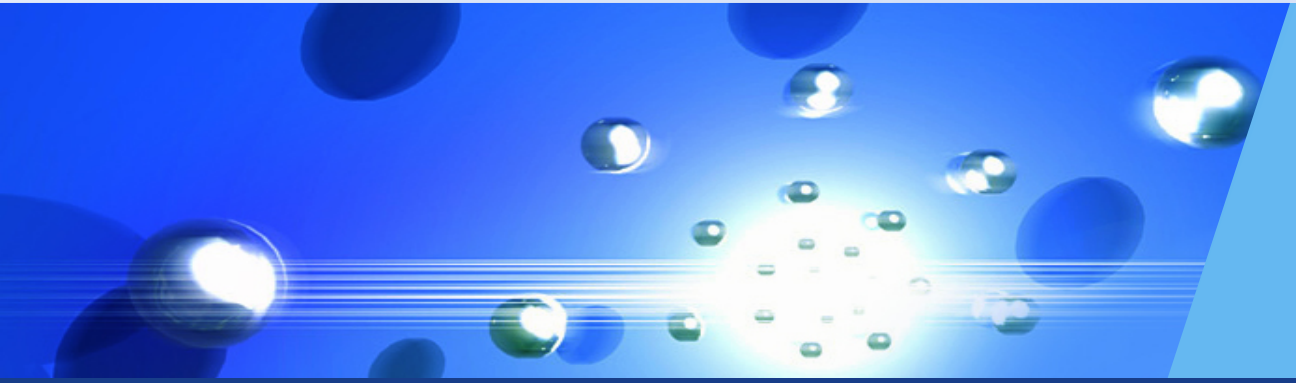
  Input CD key: 170 – 974813410
- **Step 4: Install GT Designer 2 (to design HMI)**

  GT Designer 2 \ SETUP.EXE

  Input CD key: 170 – 974813410
- **Step 5: Install GT Simulator (to simulate HMI)**

  GT Simulator 2 \ SETUP.EXE

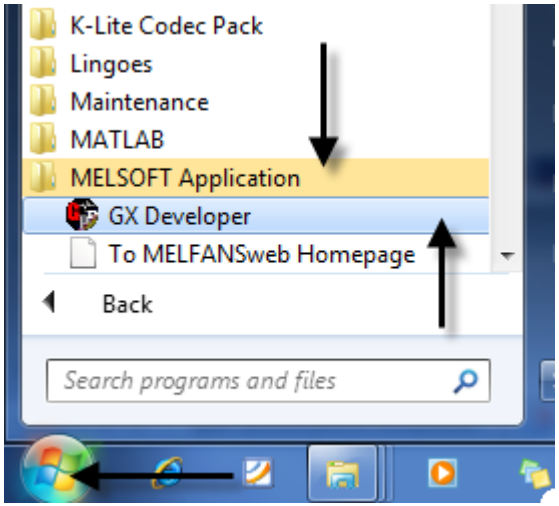
  Input CD key: 170 – 974813410

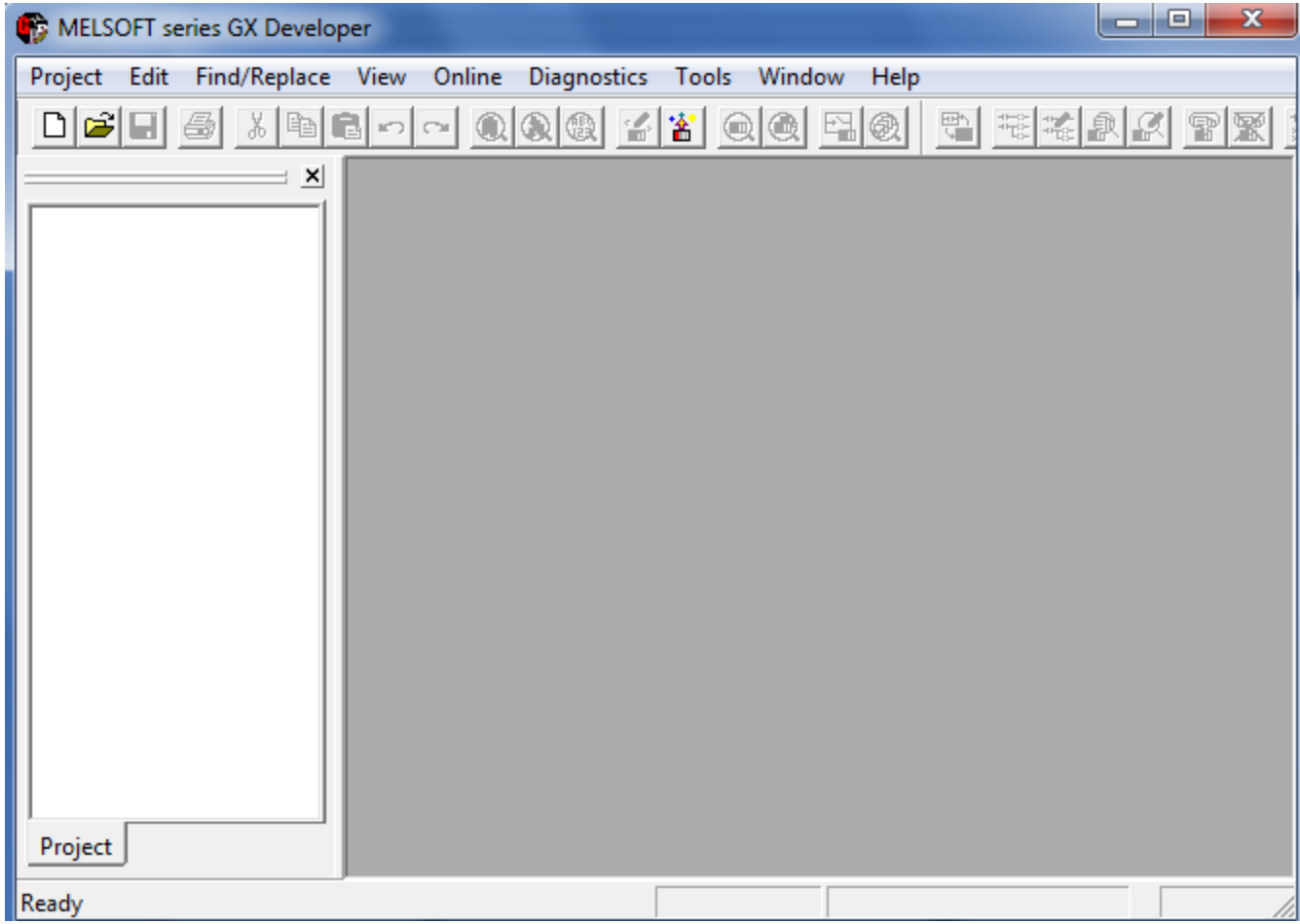


How to use GX Developer

How to write a program in Gx Developer

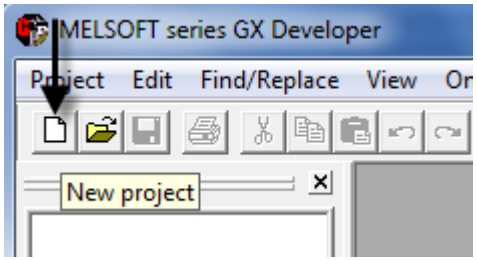
❖ Open GX Developer

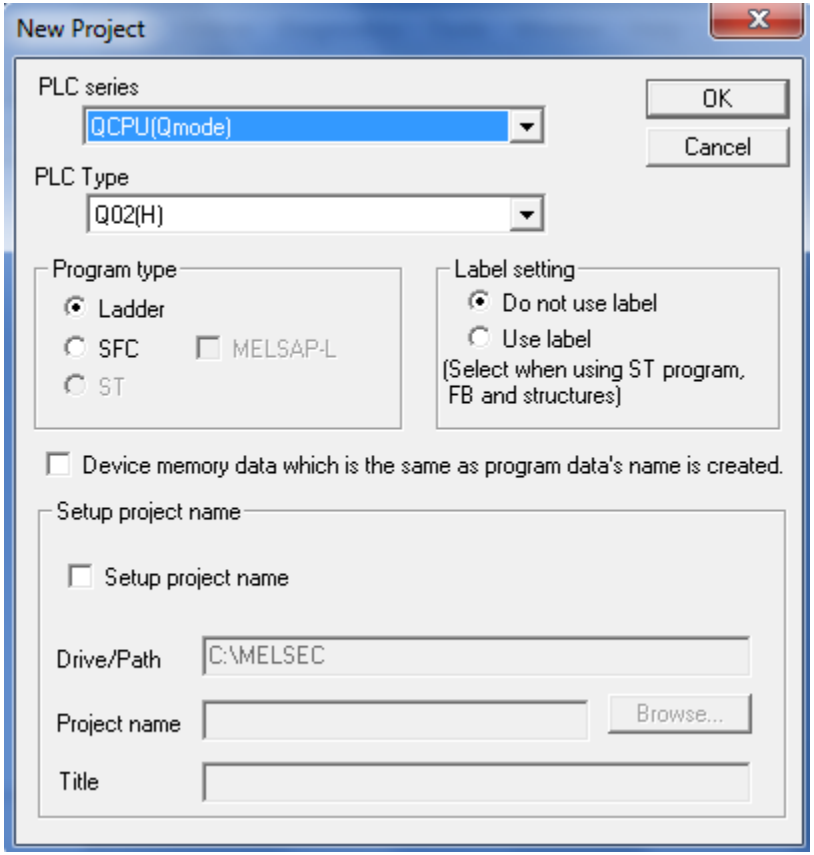




How to write a program in Gx Developer

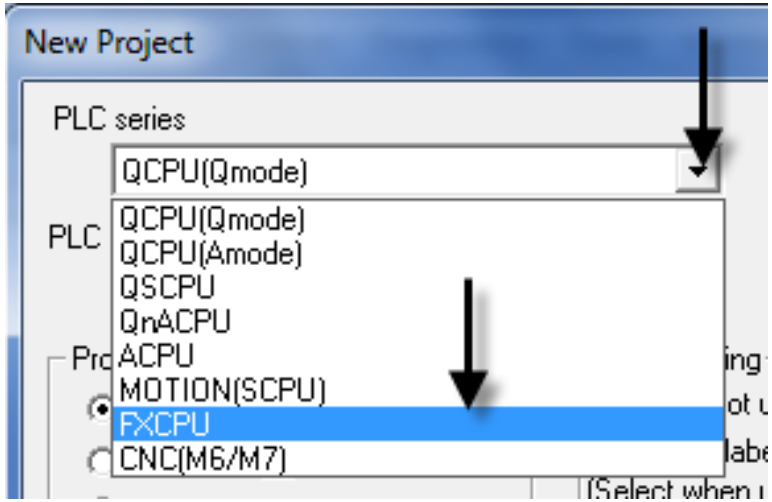
- **Click New Project Icon, or Project Menu → New Project.**

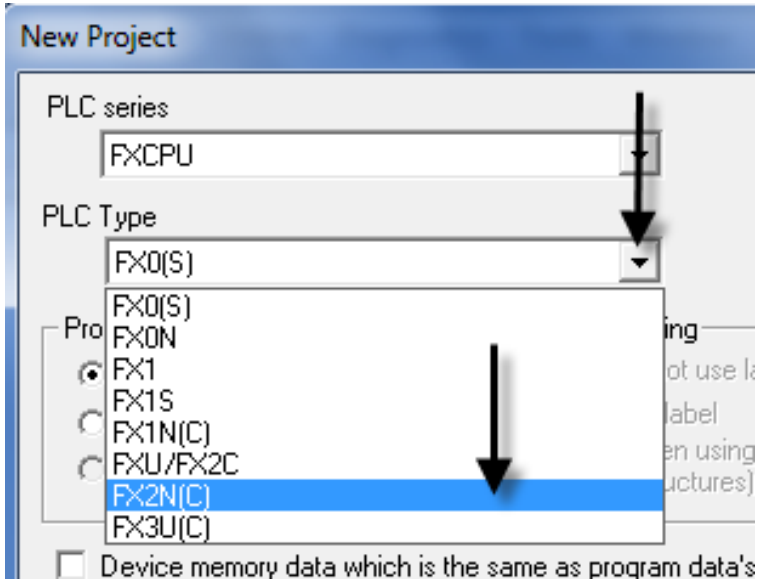




How to write a program in Gx Developer

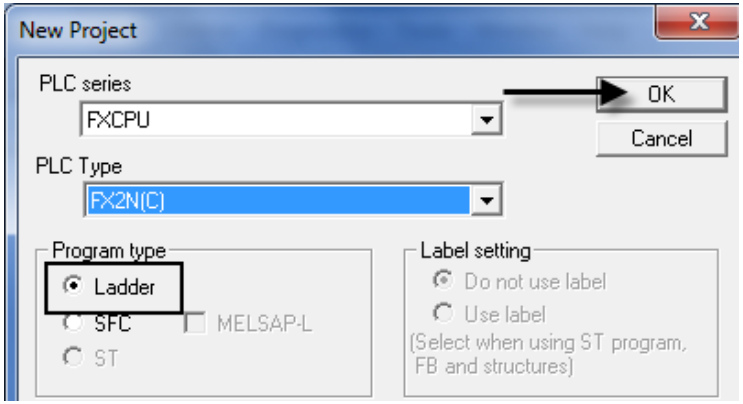
- **In New Project dialog → Choose PLC series and PLC type in Dropdown menu.**

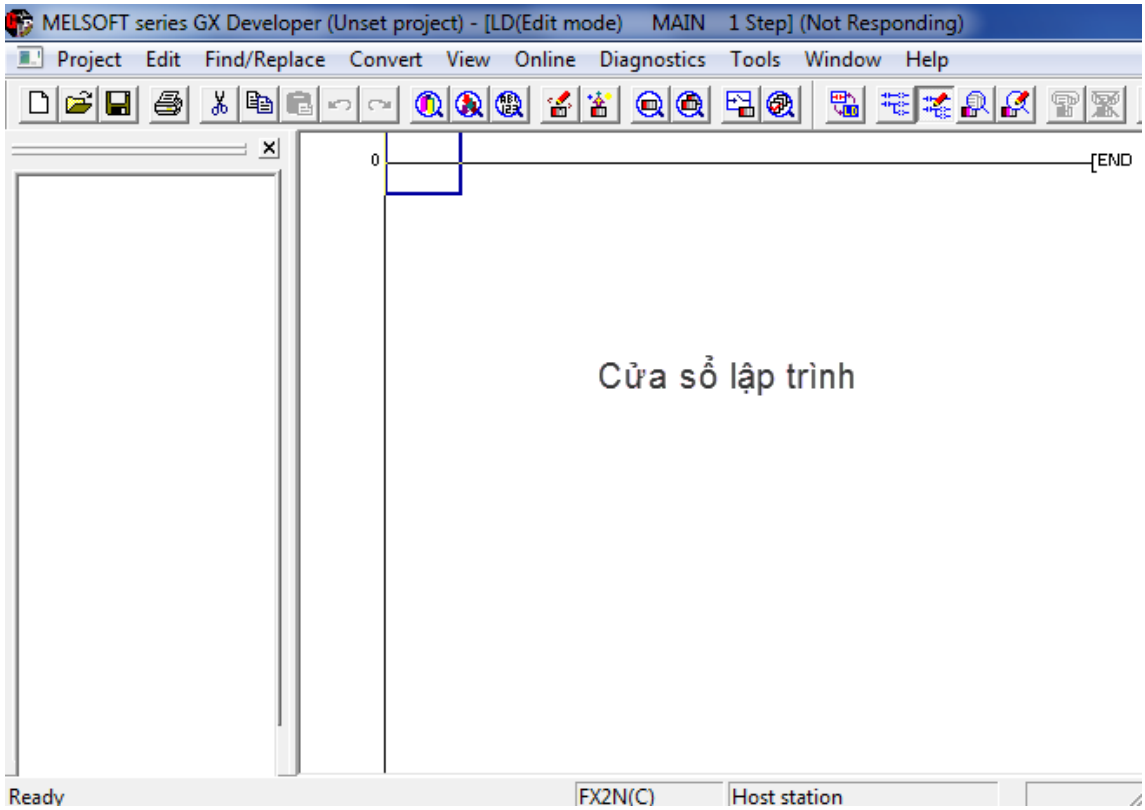




How to write a program in Gx Developer

- Choose Programming Language: Ladder/SFC → Press OK.
- Start to write a program.

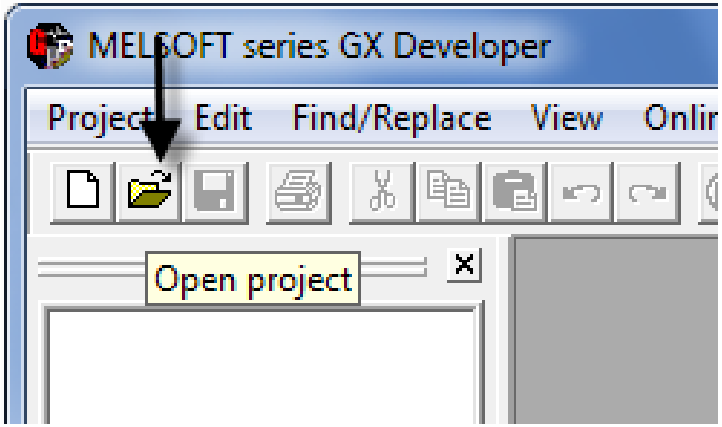


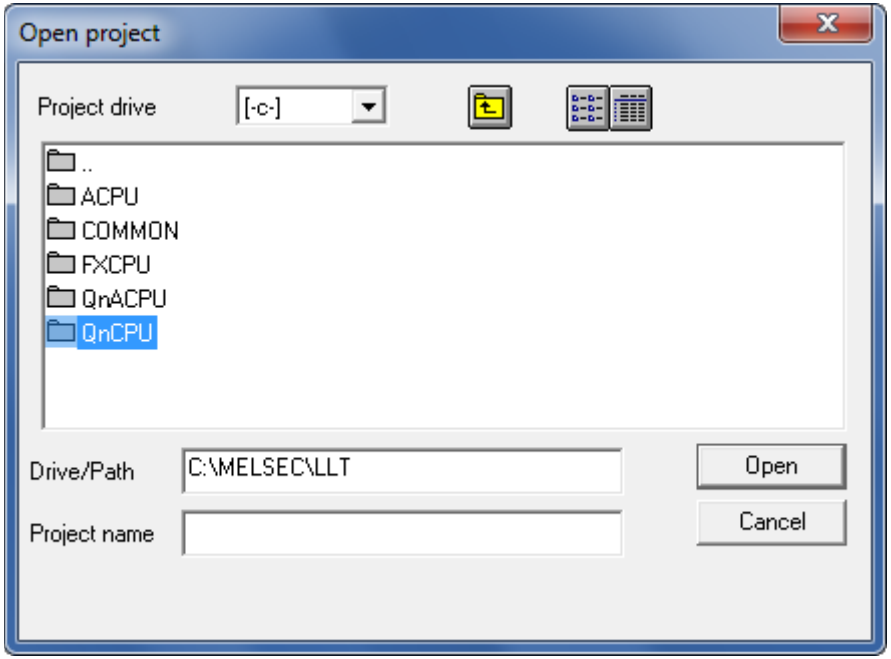


How to write a program in Gx Developer

❖ Open a project in PC

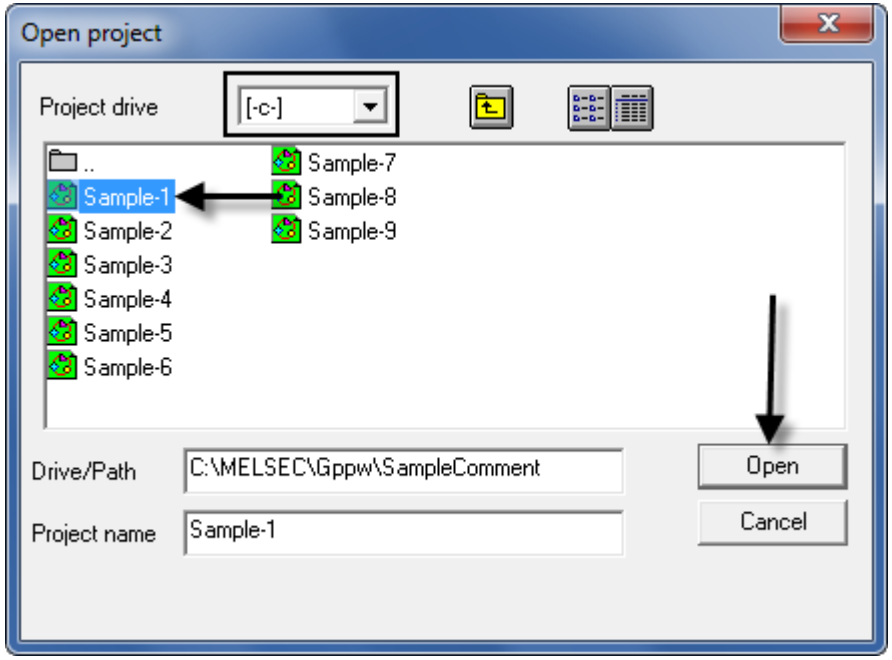
- **Click “Open Project” icon → Show Open Project dialog.**





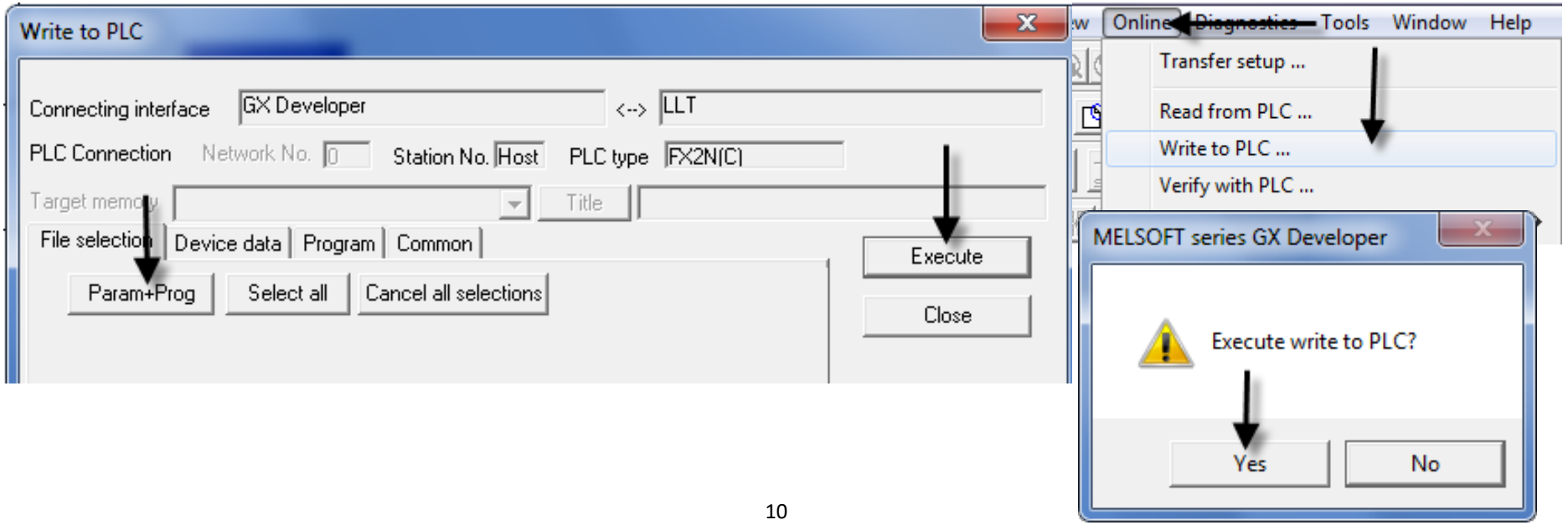
How to write a program in Gx Developer

- **Choose a project → Press Open.**



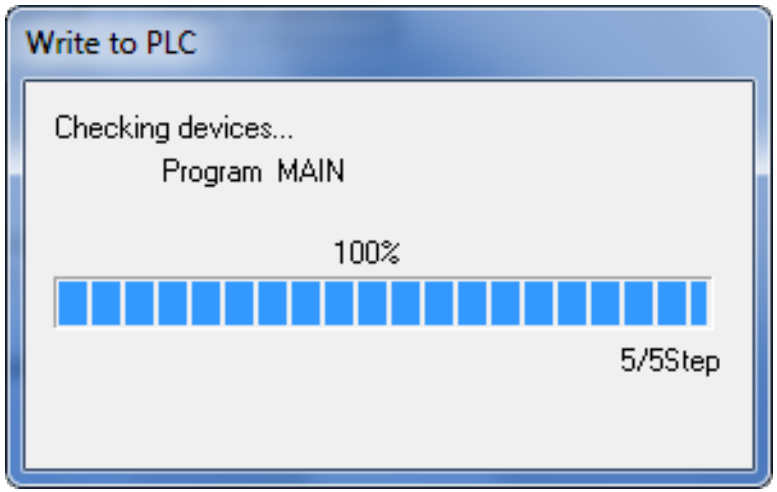
How to write a program in Gx Developer

- **After writing a program / opening the project, we need to write it to PLC. If you have a "real" PLC, do the following steps:**
  - **Choose "Online" menu → Choose "Write to PLC …"**
  - **In "Write to PLC" dialog, press "Param + Prog" button**
  - **Then press "Execute" button**
  - **In "Execute write to PLC" dialog, press "Yes"**



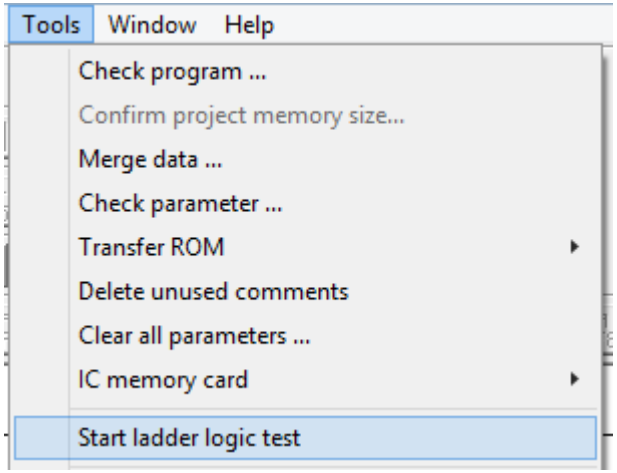
How to write a program in Gx Developer

- **Wait for uploading the program.**
- **Press “OK” when it’s done.**

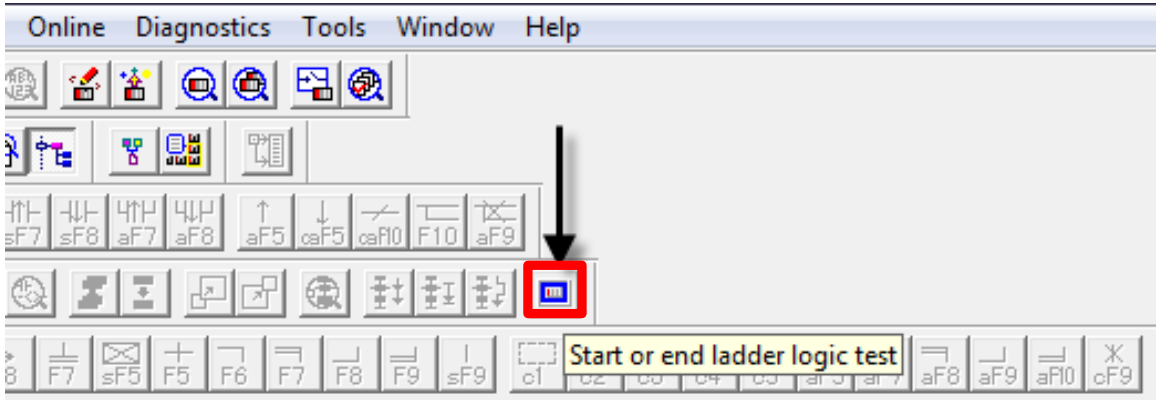


How to use Gx Simulator

- **If you do not have a “real” PLC, do open the Simulator in GX Developer.**
  - **Choose “Tools” menu → Chọn “Start ladder logic test” (Figure a).**
  - **Or click an icon as shown in Figure b.**



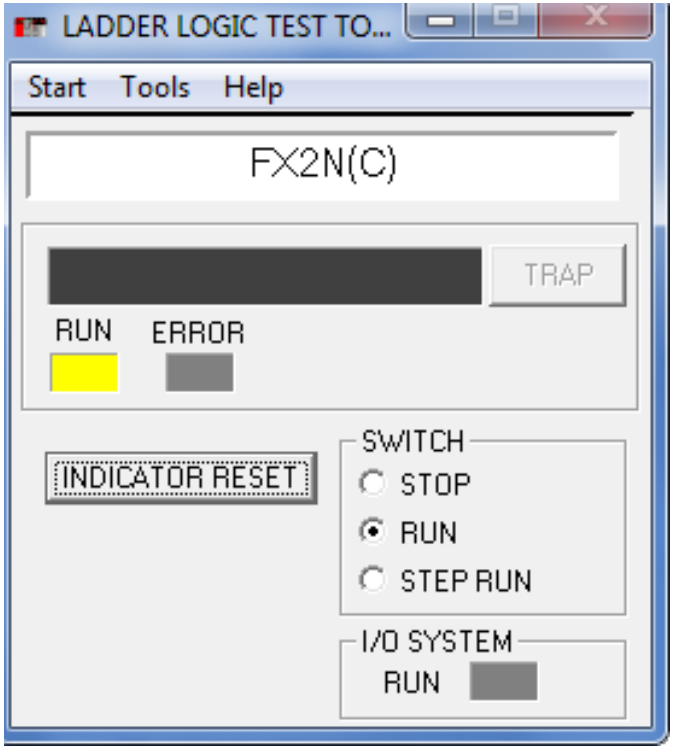
a)



b)

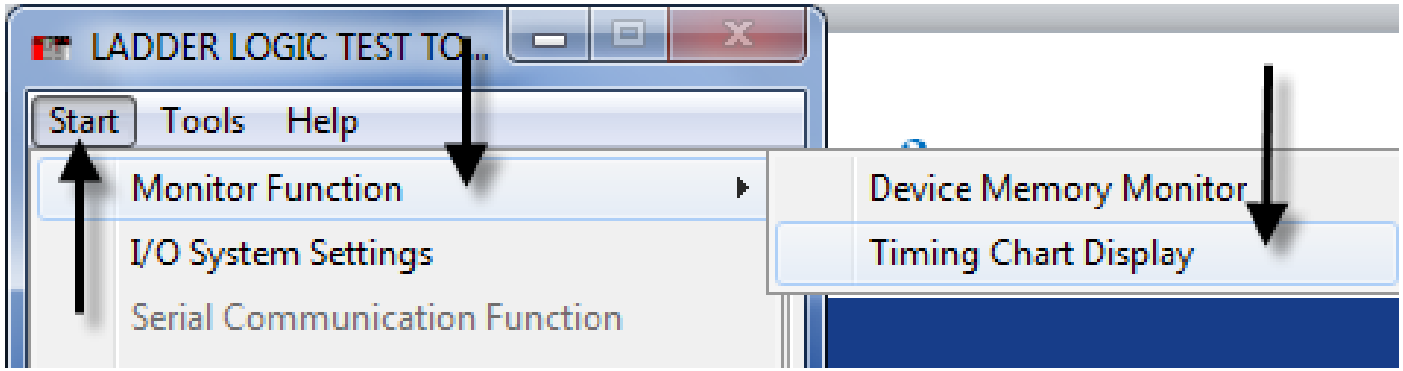
How to use Gx Simulator

- The “Ladder logic test tool” dialog is showed.
- RUN Led is ON (yellow), the program is running.



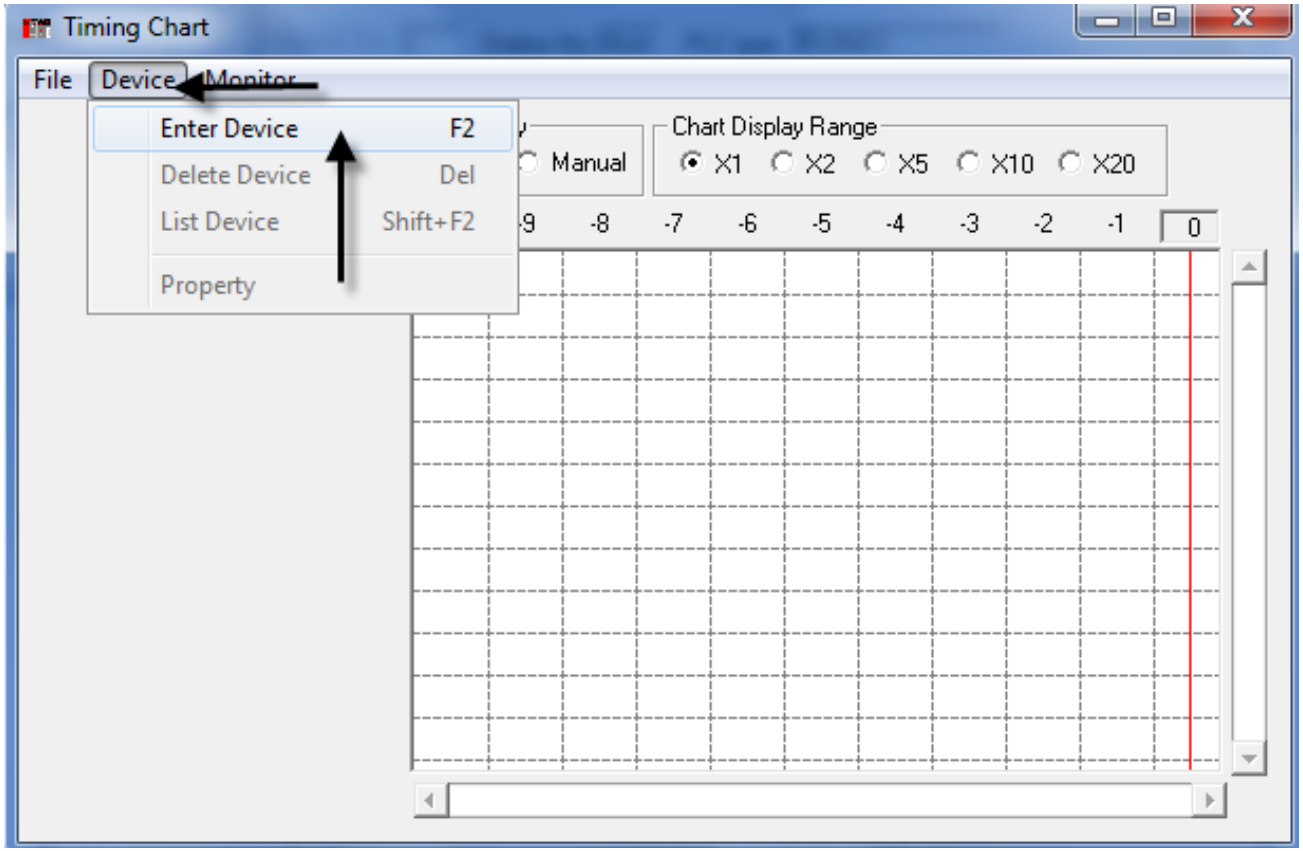
How to use Gx Simulator

- To show the Logic variables, in LADDER LOGIC TEST TOOL dialog, click “Start” menu → Monitor Function → Timing Chart Display.



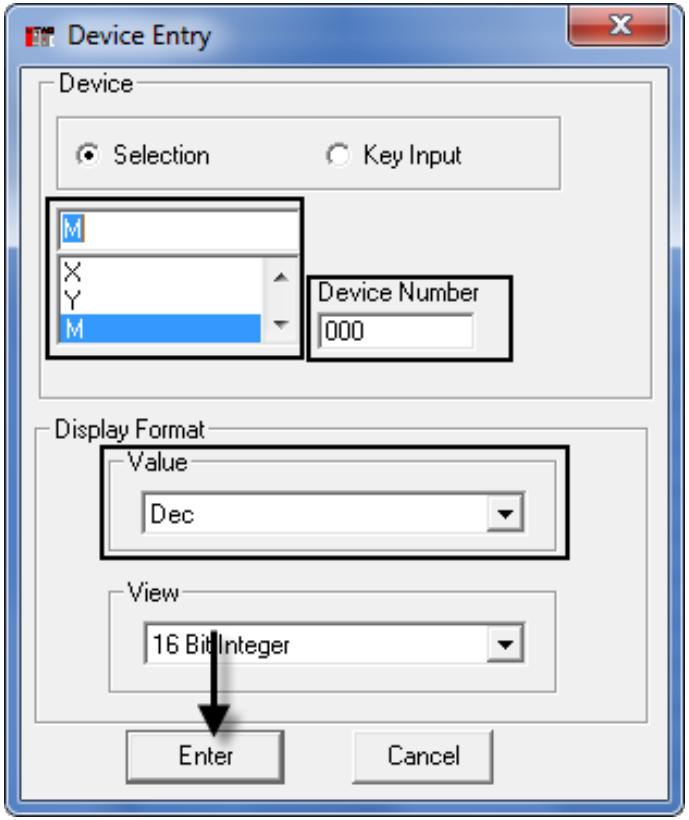
How to use Gx Simulator

- “Timing Chart” dialog is showed.
- Click “Device” menu → Choose “Enter Device” to show the I/O, memories which you want to monitor.



How to use Gx Simulator

- In “Device Entry” dialog → Choose the variables and it parameters → press Enter.



How to use Gx Simulator

- **After that, click “Monitor” button with green light in “Timing Chart” dialog.**