

Communication with

INOVANCE

H5U series

V1.0



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**Overview**

This document introduces the free label protocol steps for PI3070ig and INOVANCE H5U-1614MTD, which is divided into two parts:

⚫ Software Configurations of PLC

⚫ Software Configurations of HMI

**I Software Configurations of PLC**

**1.1 AutoShop**

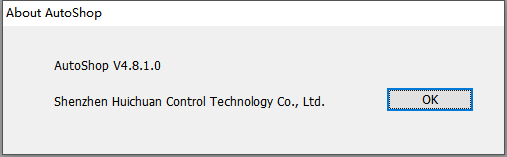


Figure 1-1

**1.2 Establishing communication**

1.Click [Tools]→Click [Communication Settings].

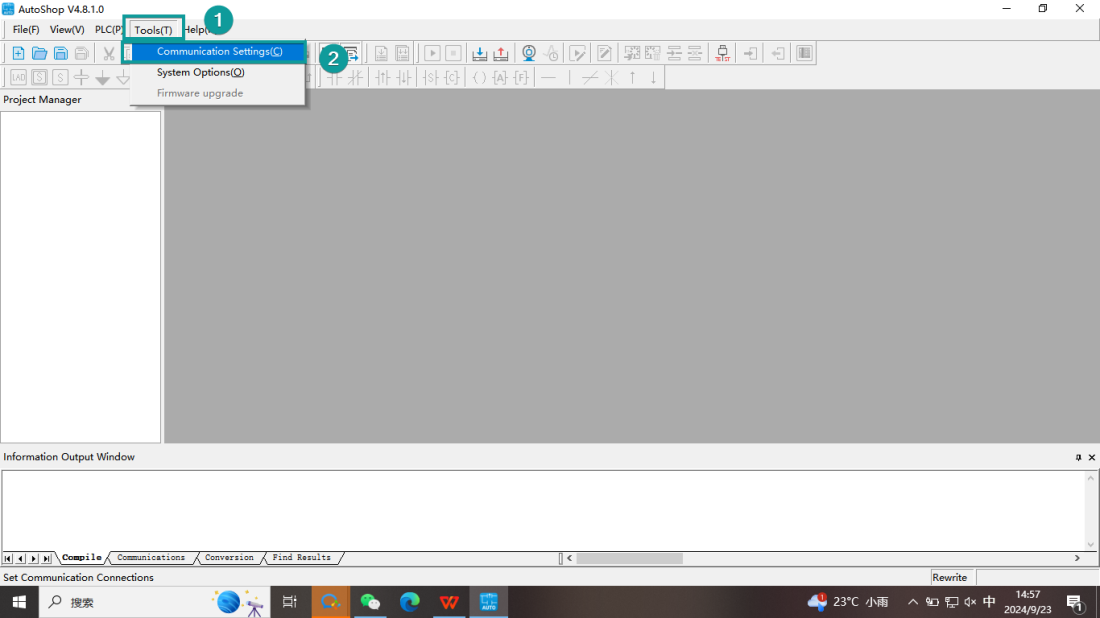


Figure 1-2

2.Select PLC model→ [OK]

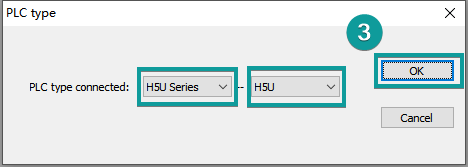


Figure 1-3

3.Select communication type →Click [Search]→[Test]→[OK]→[YES].

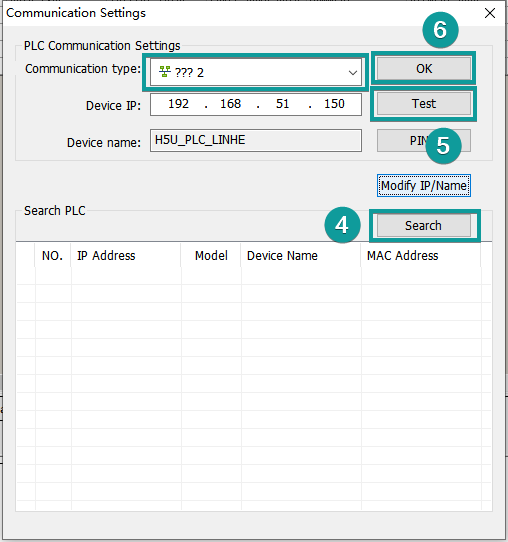


Figure 1-4

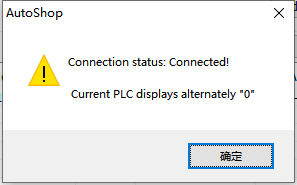


Figure 1-5

**1.3 New project**

1.Click[Create a new project]

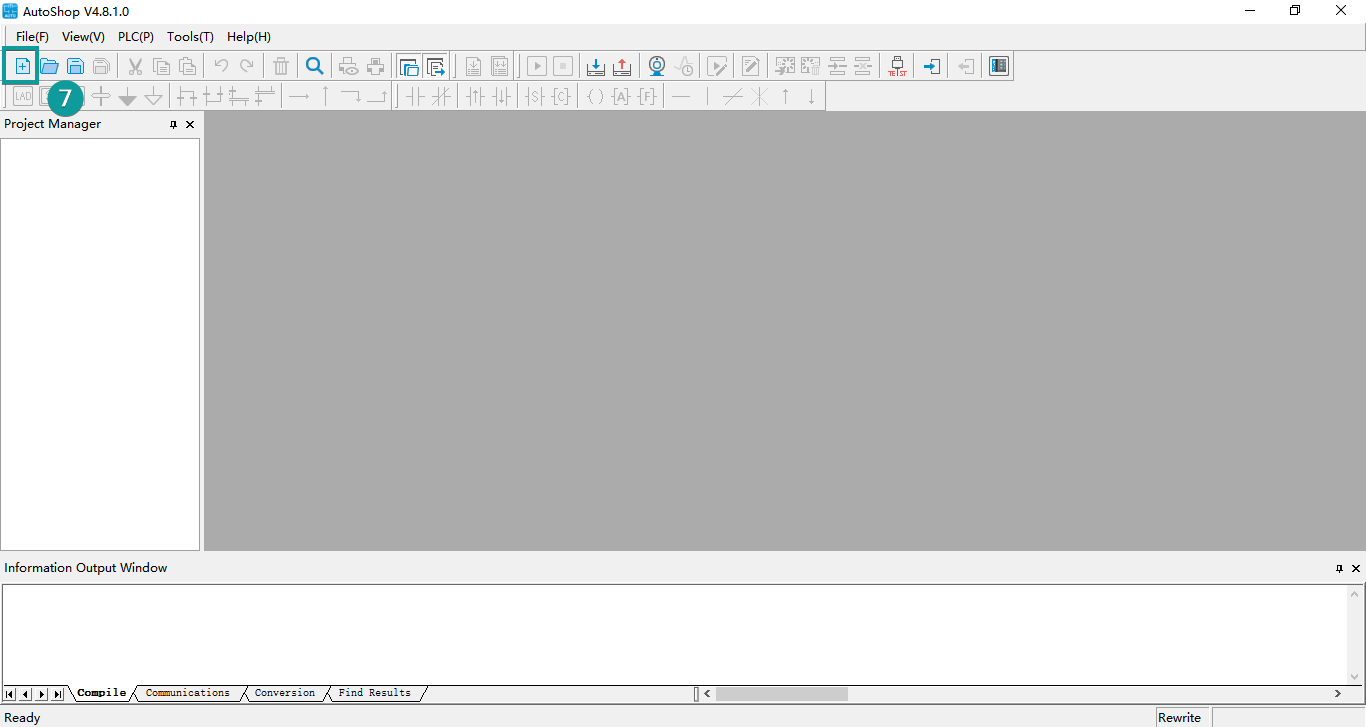


Figure 1-6

2.Edit Project Name→ Select storage location → Click [OK].

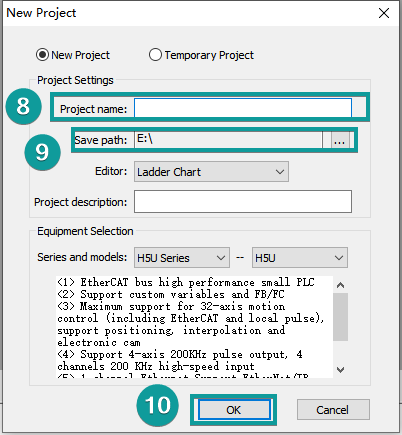


Figure 1-7

**1.4 Create a new tag**

1.Right click[Variable-Table]→Click [New Global Variable Table].

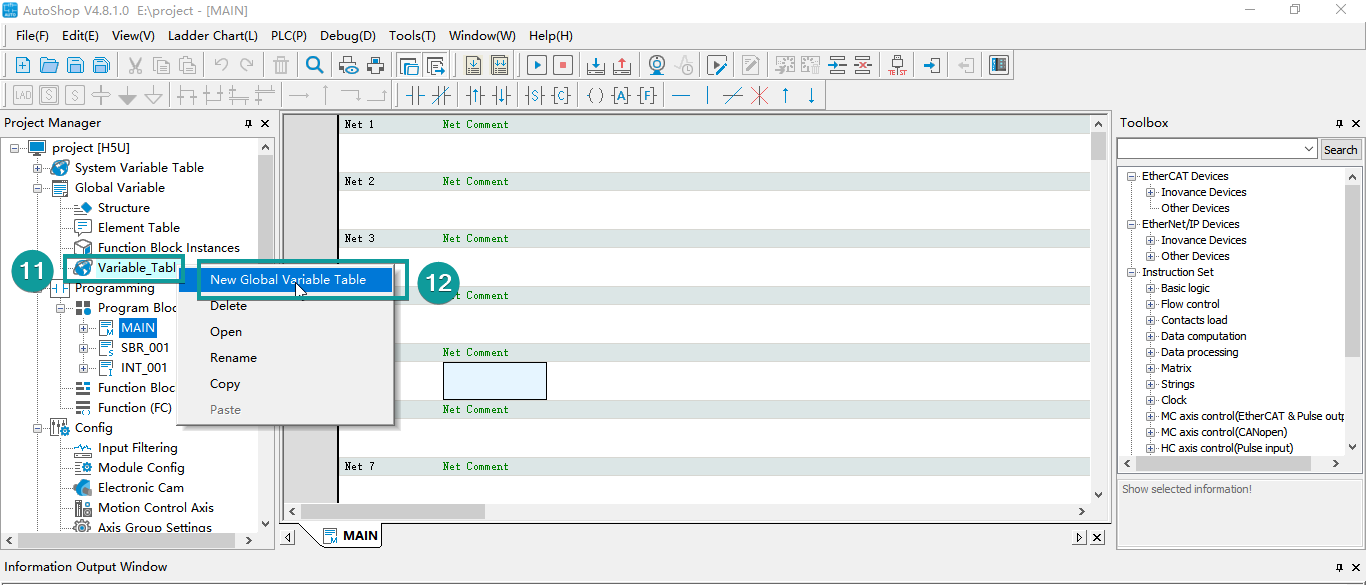


Figure 1-7

2.Add tags→Click [Compile]→Click [Export HMI Monitoring Variable Table]

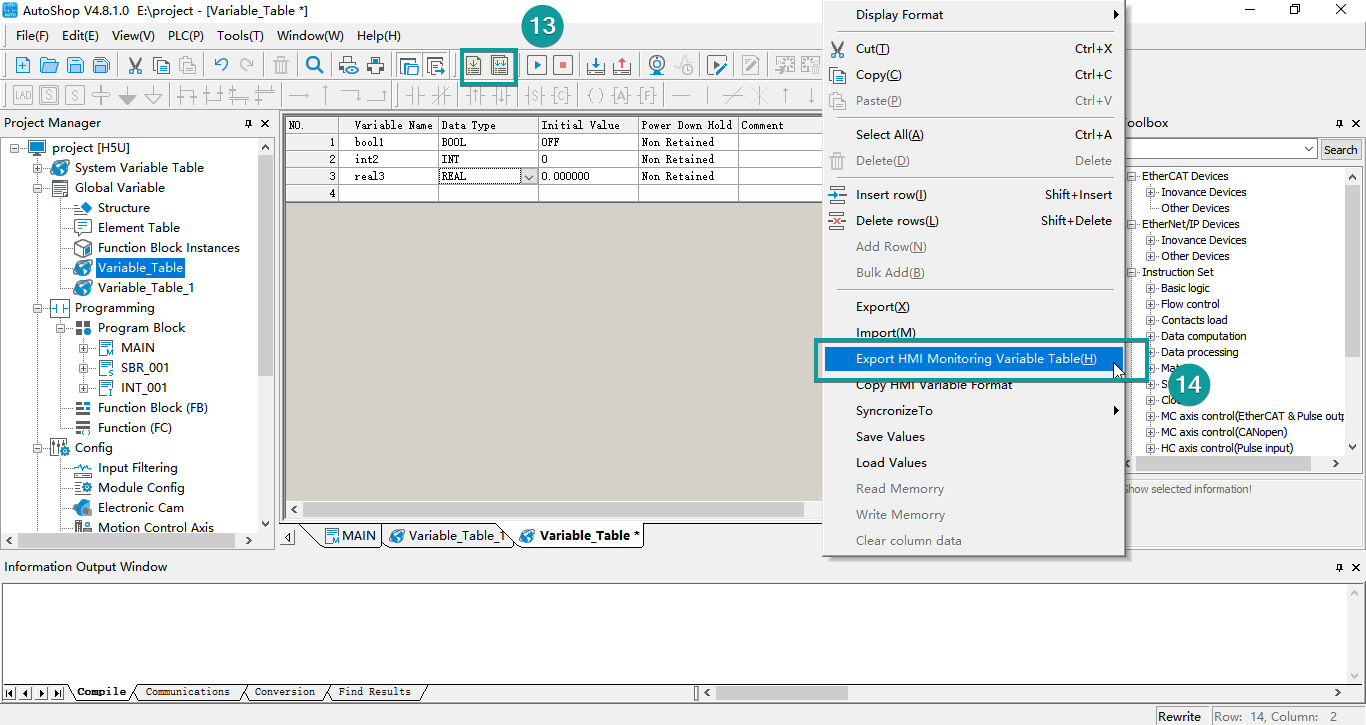


Figure 1-8

3.Edit File Name→[Save]

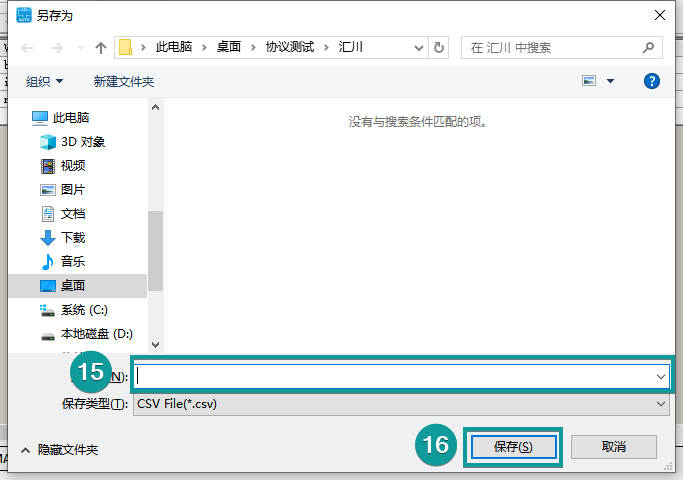
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Figure 1-9

**II Software Configurations of HMI**

**2.1 PIStudio**

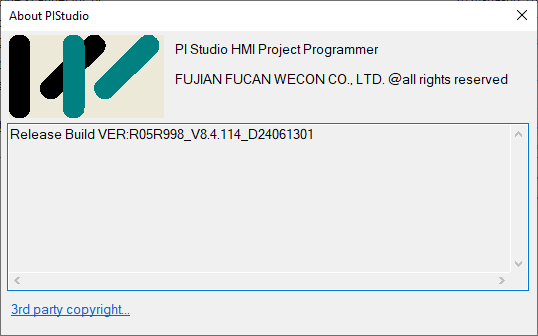
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Figure 2-1

**2.2 New project**

1.[Home]→[New]→[New project]→Set the name,series and model of HMI→[Next]→[Screen style] →[OK].

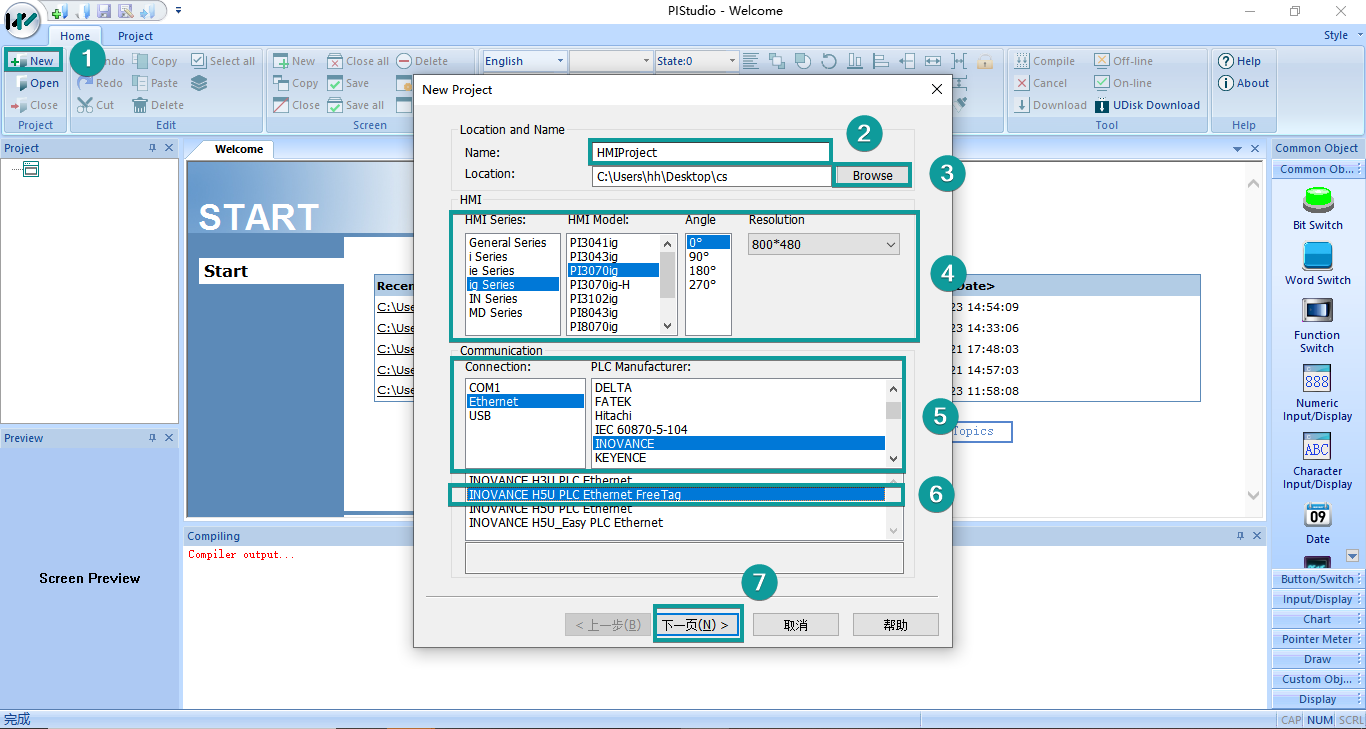


Figure 2-2

**2.3 Communication configuration**

① [Project]→[Communication]→[Setting]

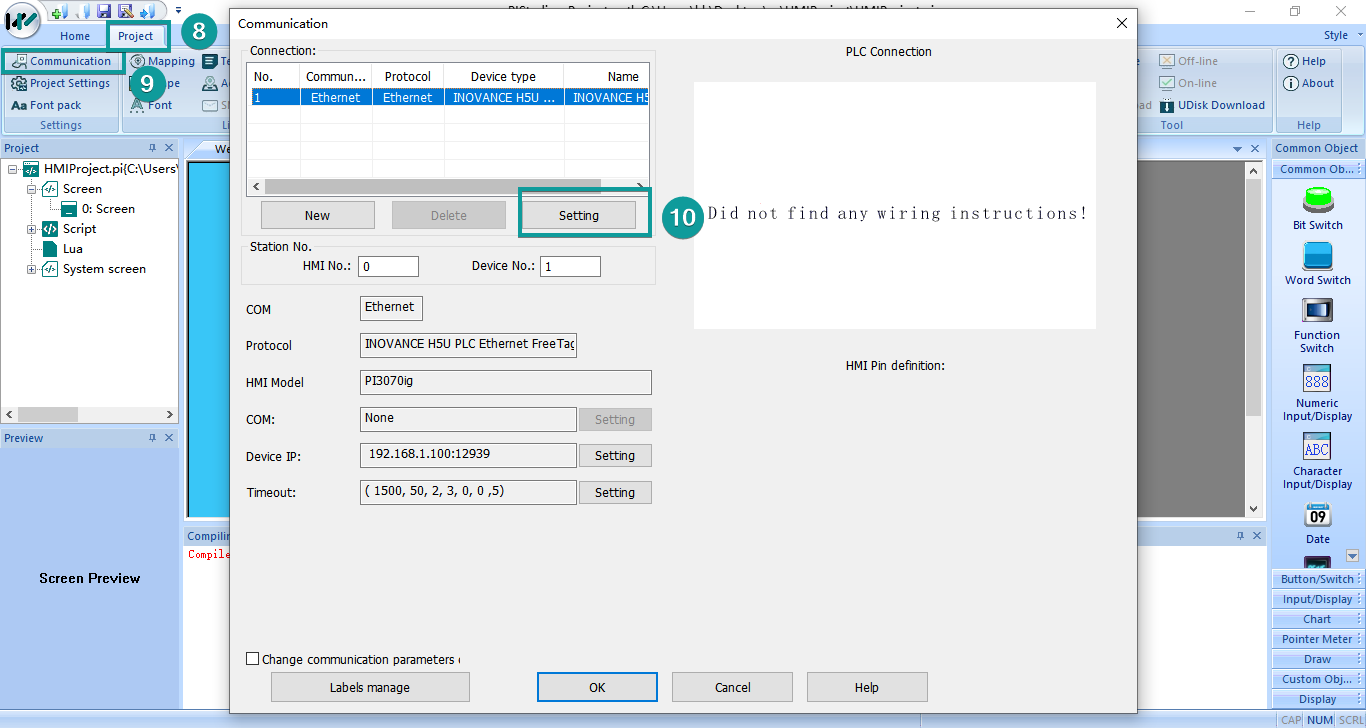


Figure 2-3

② Choose protocol:

Device type [INOVANCE]→[INOVANCE HSU PLC Ethernet FreeTag]→[OK]

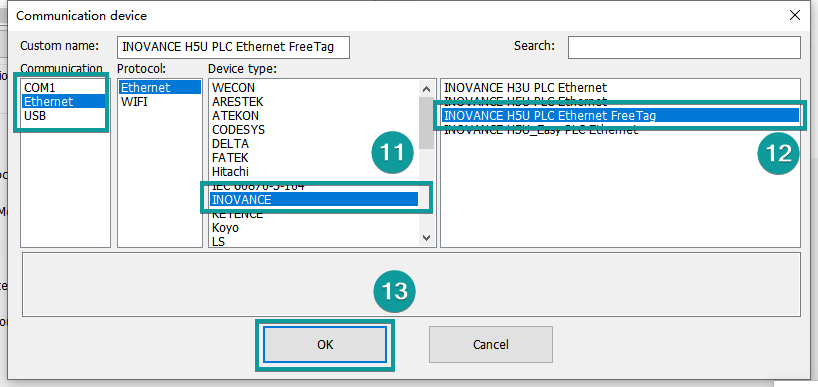


Figure 2-4

③[Setting]→[PLC IP Address]→[OK]→[Labels manage].

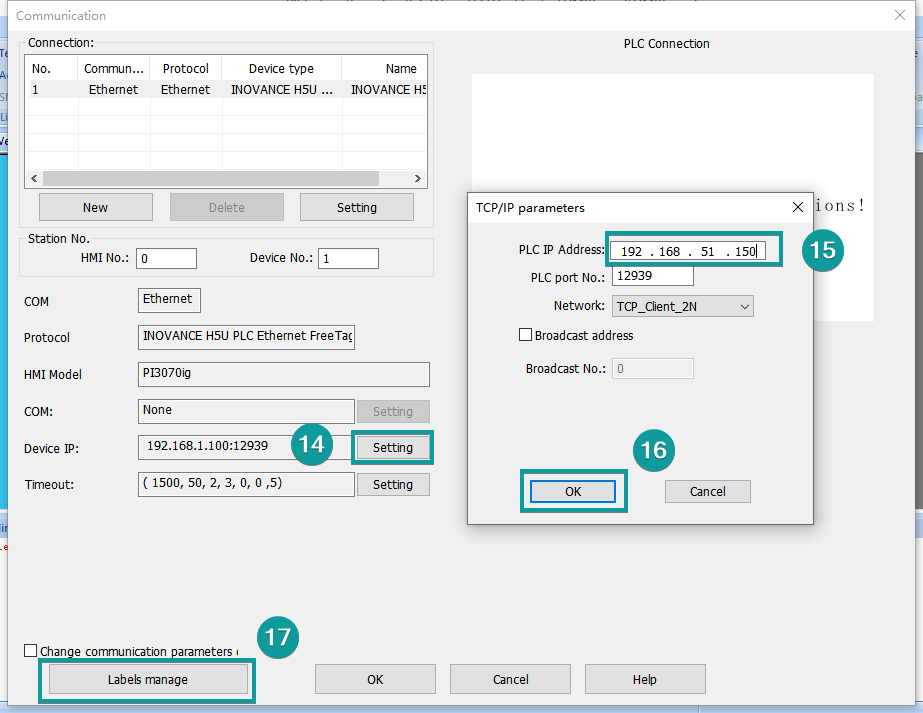


Figure 2-5

④Tags import:

[Import Tags From File]→Choose the .CSV file→[Open]→[Save]→[OK]

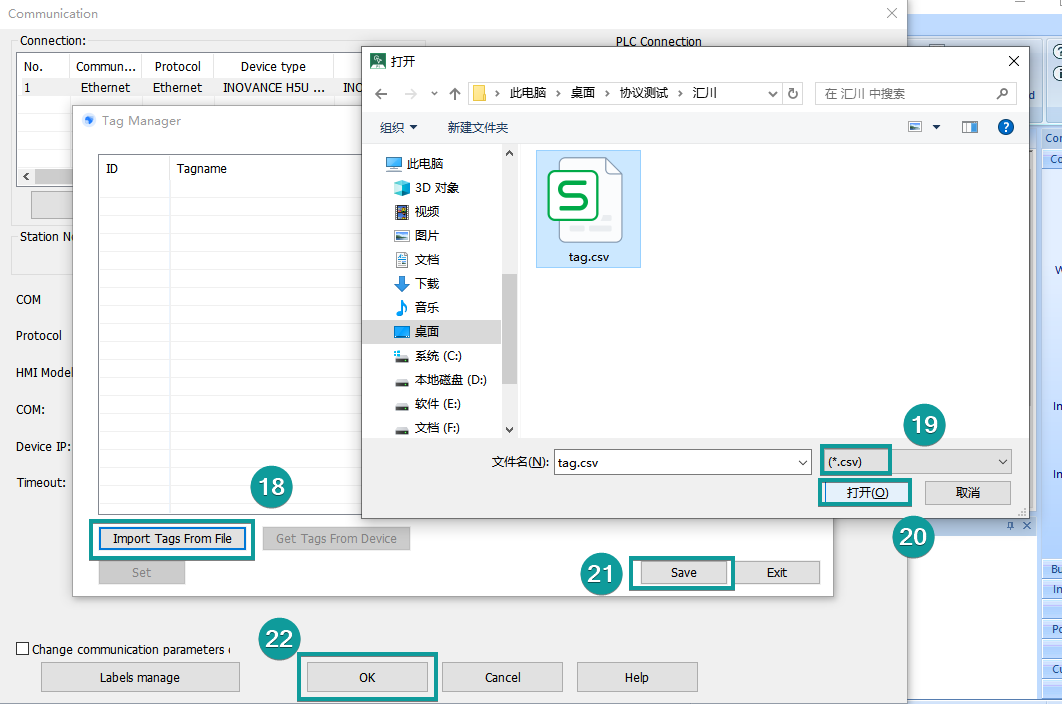


Figure 2-6

**2.4 Project making**

①Using PIStudio to program a HMI project depending on the requirements.



Figure 2-7

②After programming[Compile], you can download the project into HMI when compilation complete.

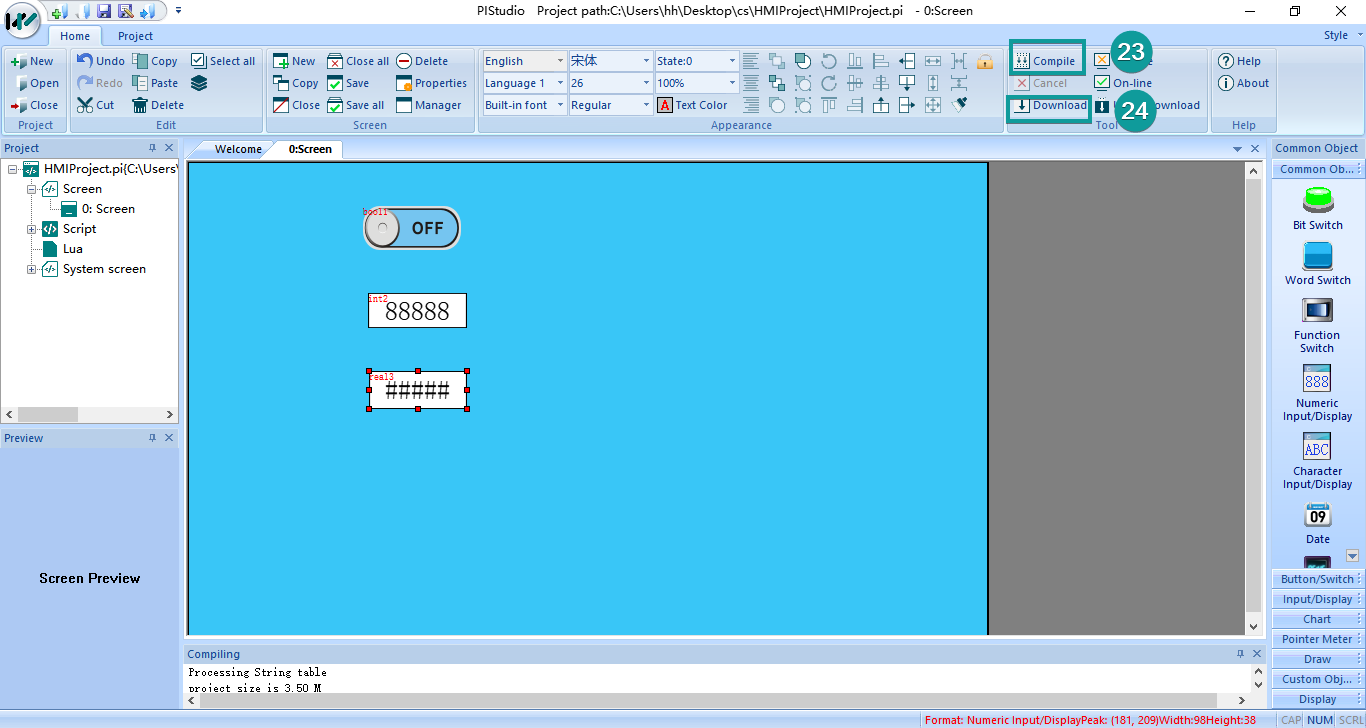


Figure 2-8