APW12PIC online programming instructions

A. Scope of use:

This programming method is suitable for online programming of APW12 series power supply PIC chips. Mainly used to repair or load PIC chip programs for SMT leakage programming. Mass production requires programmers to program the components and then install them.

B. Combustion Tools/Instruments:

a) Online MICROCHIP downloader, comes with data cable.

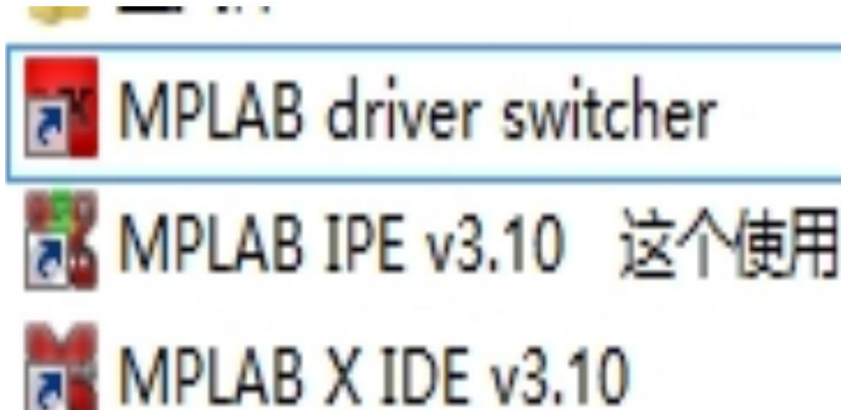b) 1 personal computer.

C. Programming method:

First-time programming requires installation of the driver and programming editor.

MPLABX-v3.10-windows-installer.exe
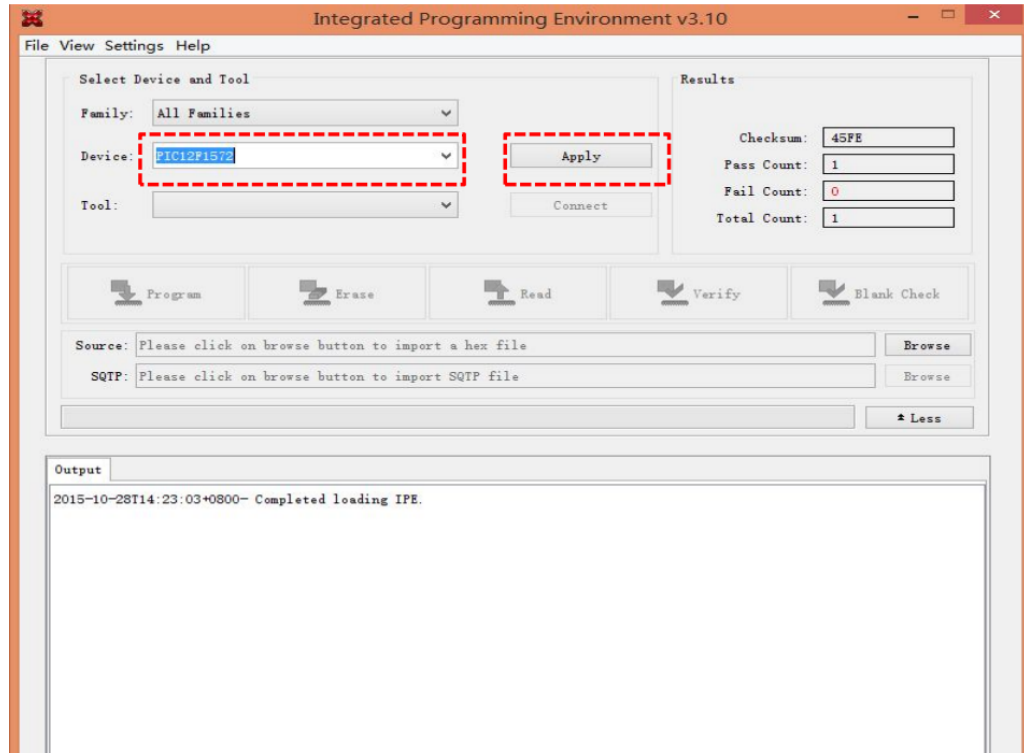
Please see the attachment for the file

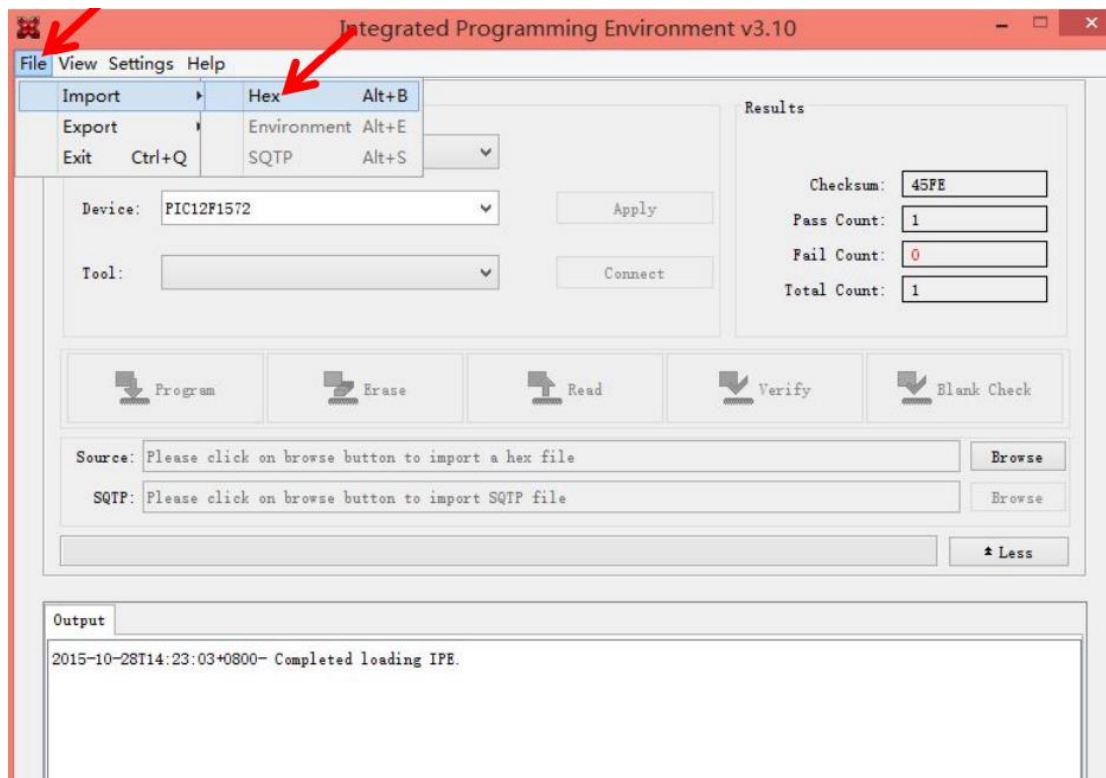D. The installation is completed as follows

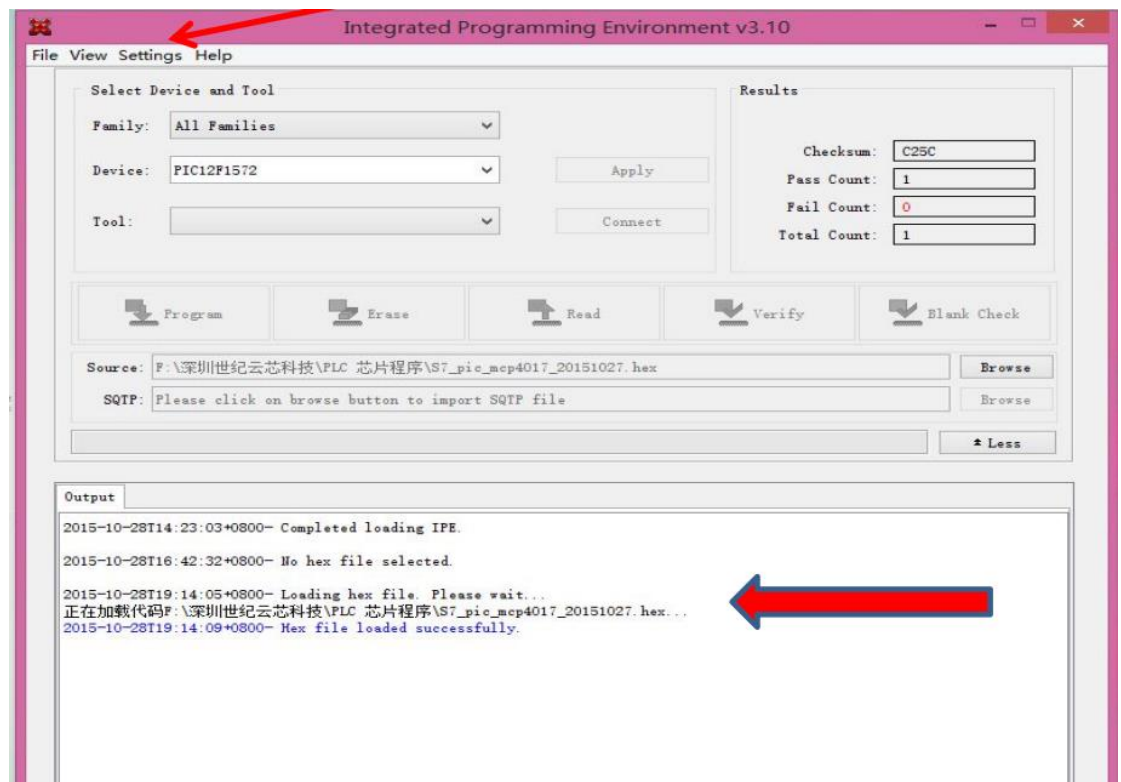Select MPLAB IPE V3.10 to open

E. Programming steps:

c) After opening MPLAB IPE V3.10 for the first time, make the following settings. Select the chip model: PIC16F1704 in the Device item, and then click Apply.
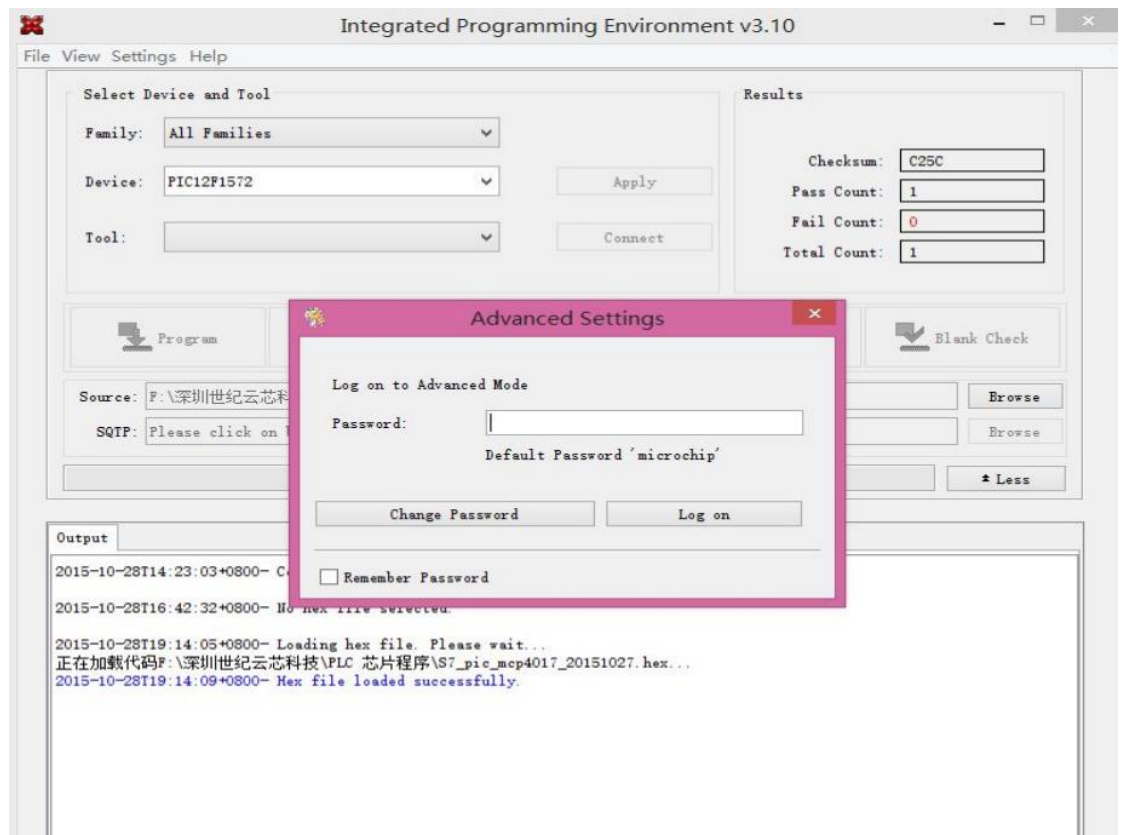

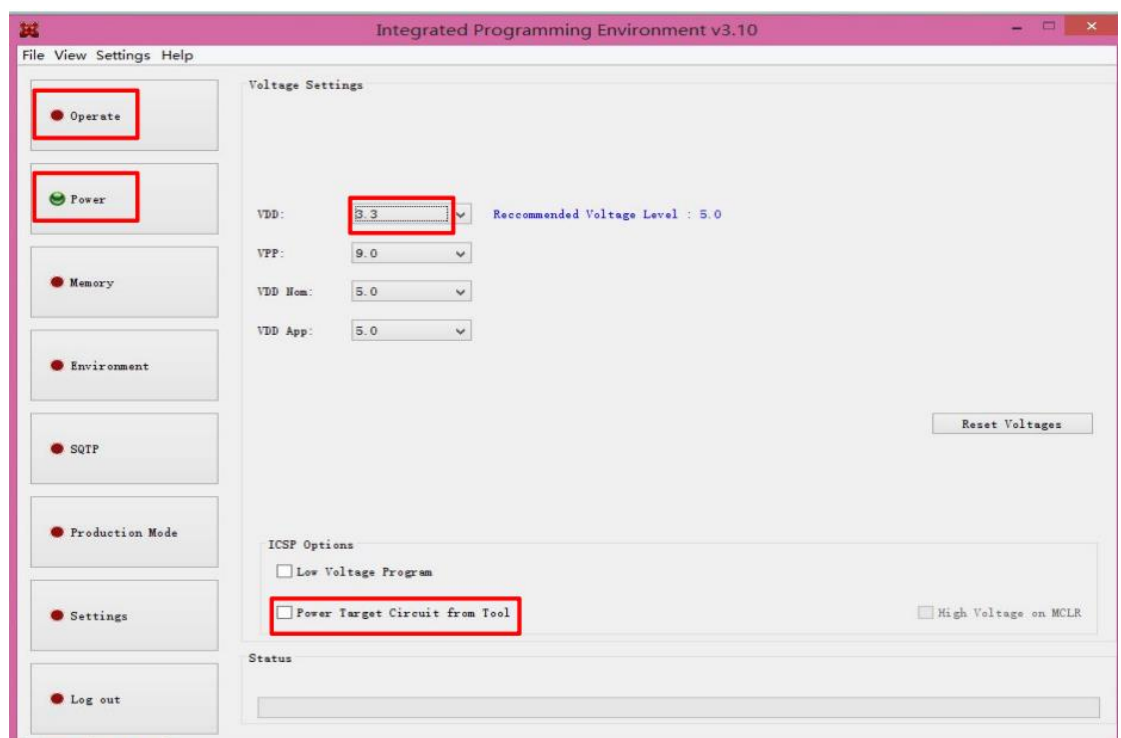d) Click File, select Import Hex, and find the program storage disk.

e) Select the program to open and enter the next interface, select Setting—advancedmode
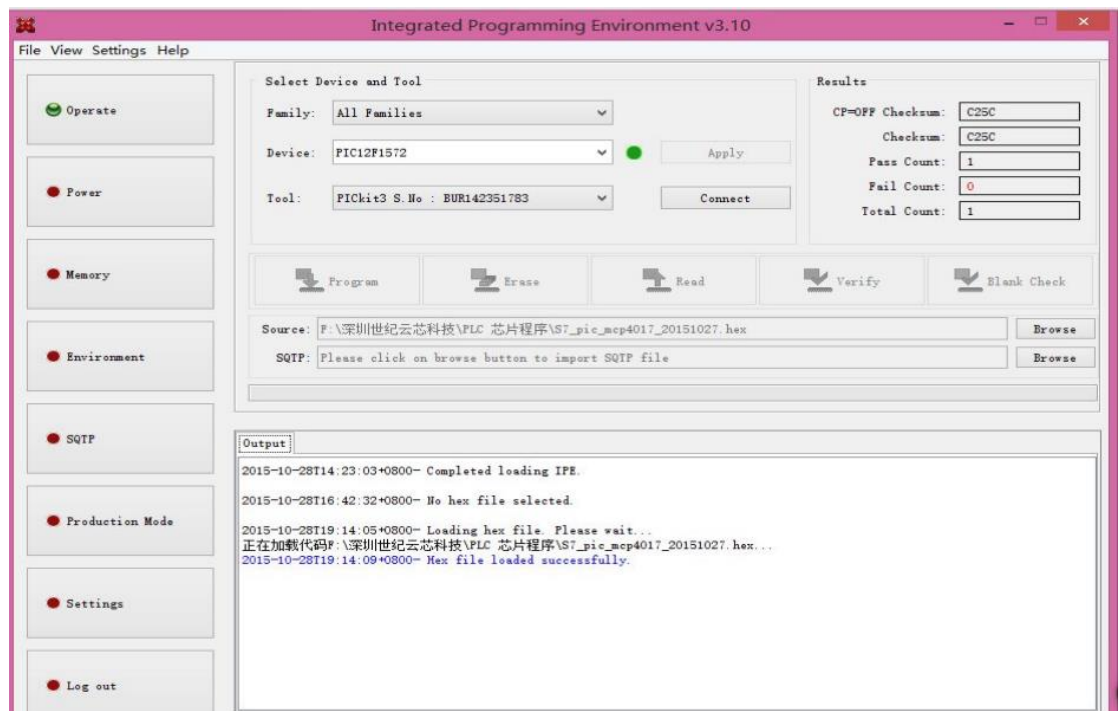
f) Enter password: microchip

g) A: Click Power, B: Select 3.3V for VDD voltage on the right side C: Check Power target circuit
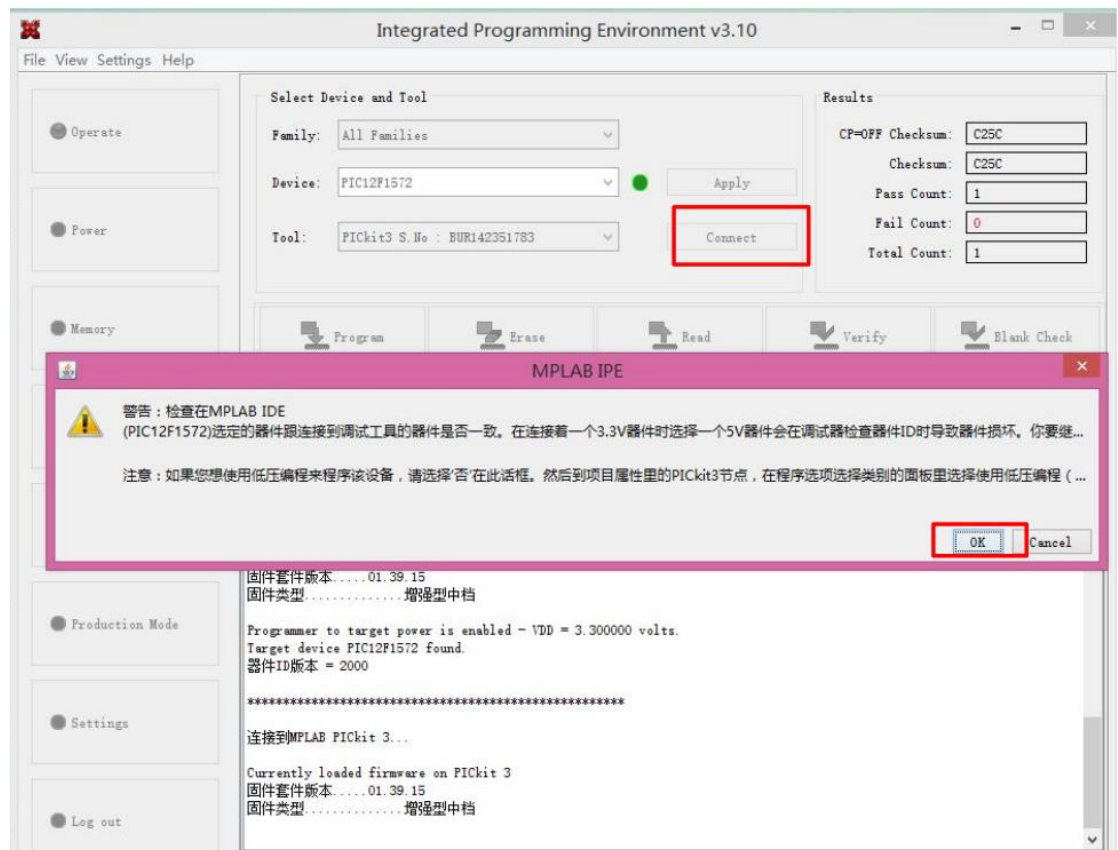from TooL D: Click Operate to enter the next page interface

h) Confirm that the data serial port cable of the download editor is correctly connected to the computer
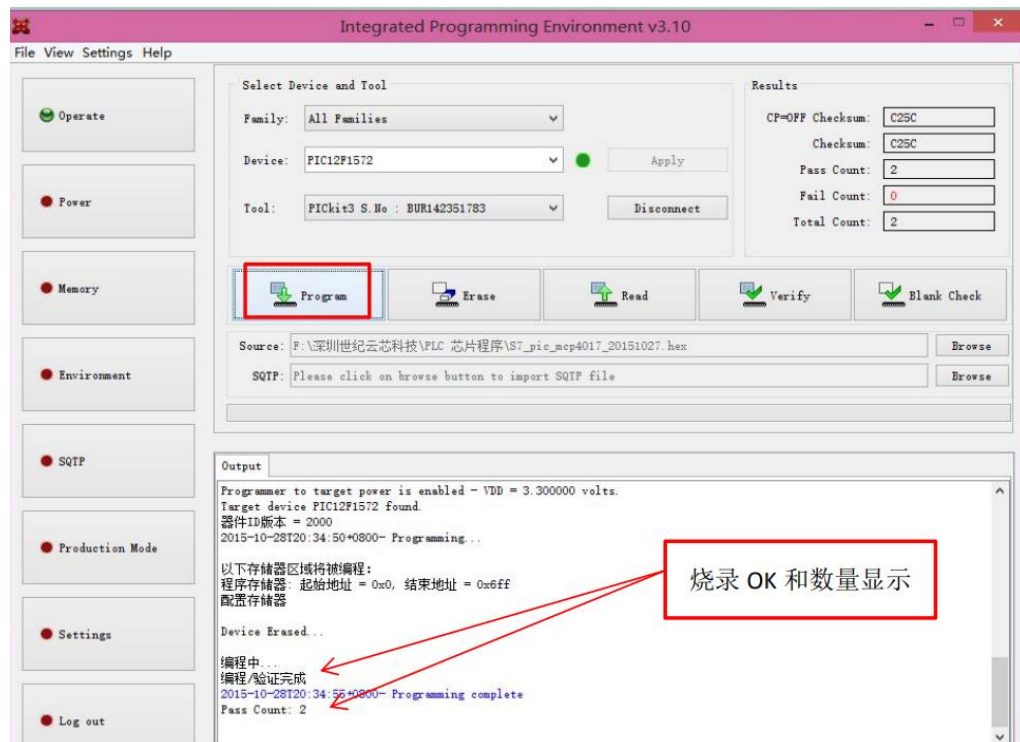

The downloader is directly connected to the J16 position of the APW12 power supply, and the direction of the downloader is aligned with the J16 pin 1 hole. No power required.

i) Click Connect to connect. MPLAB IPE warning check appears. Click "OK"

j) Click Program to start programming.

Programming OK and numerical display

F. Remark:

1. When the computer is shut down or exits the burning interface, you need to follow steps 4.1-4.9.

2. When continuously burning the next PCBA, correctly connect the downloader to the computing board and click Program to burn. Follow step 4.9.

3. If you need to view the burning information during burning, click Read in the figure in step 4.9 to read out the data.

I wish you success in programming!

Editor: Gibson
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