Version：V3.3

YM02 Programmer

Specification-FUJITSU

Thank you, more information please click:

Http://www.yumingdz.com

In Advance:

1) Standard Packing
- ➢ Programmer   1
- ➢ 16pin cable   1
- ➢ USB cable   1
- ➢ 5V adapter   1

Software Version:

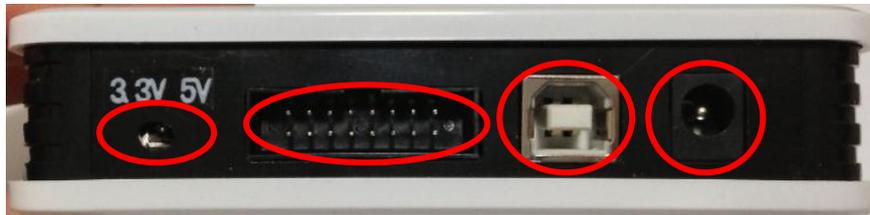   Open the UI → Help → About YM.

Firmware Version:

    Connect the programmer to PC, open the software and connect. The version will display on the right side of the software. And display in the LCD of programmer too.

    Like VXXXX.

Programmer ID:

    Connect the programmer to PC, open the software and connect. The version will display on the right side of the software. And display in the LCD of programmer too.

    It is 8 decimal digit, like XXXXXXXX.

CONTENTS

1. Hardware Parameter

3.3V/5V switch; 16pin cable interface; USB cable interface; DC 5V input;

Sheet 1: Hardware Parameter

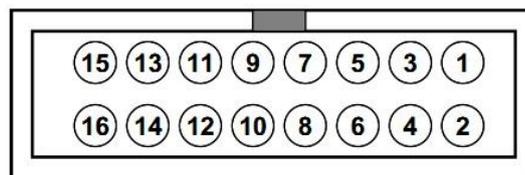| Item	Parameter
Work power	DC 5V input, USB input.
Work environment	Temp.: -20 - +50℃, Humidity: 10 - 80% RH
Keep environment	Temp.: -30 - +60℃, Humidity: 10 - 80% RH
Boundary dimension	110×80×25 mm
PC OS	Windows 2K/XP/2003/Vista/7

2. Driver Install

The first time connect the programmer to PC, driver must need. The driver is in the folder "DRIVER_YM0X".

3. Hardware Function

➢ 16pin cable is used for connectting the programmer and target device.

➢ The 3.3V/5V switch: turn to left is 3.3V output, turn to right is 5V output.

➢ A short buzz means program succeed.

➢ A Long buzz means software download succeed.

➢ Two buzz means with internal software and initialization succeed, reset succeed.

➢ Three buzz means program failed or software download failed or internal software verify failed.

Programmer interface:

1: Program interface

Special Pin:

➢ **Pin 10 ----- GND**

➢ **Pin 15 ----- Vout   Voltage out always**

➢ **Pin 16 ----- Key   Same as the program key. It is valid when low level**

Note:
✧ **The pin no used please keep open, don't connect any.**

4. The Target Device Interface

LCD Display:

    The sum will display on the top line of LCD in normal. The "OK" will display in the left on the under line of LCD in normal. The "T:" in the right means the program time limited, and "N" means the times is no limit.

    When used the serial number function, if program successful, the serial number will display in the lift on the under line of LCD.
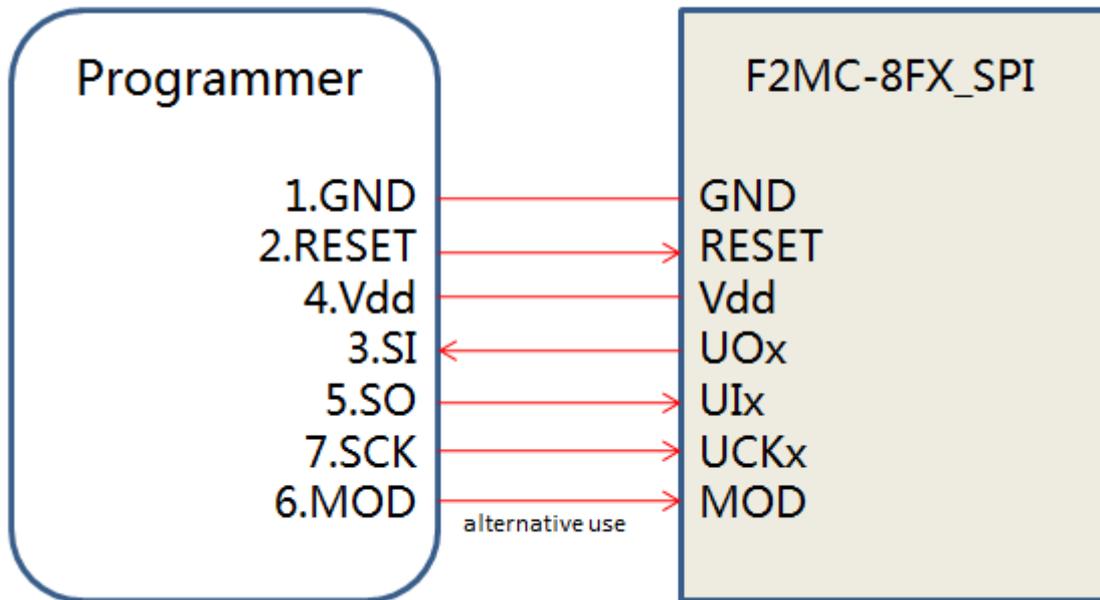
sheet 2: The program pin need

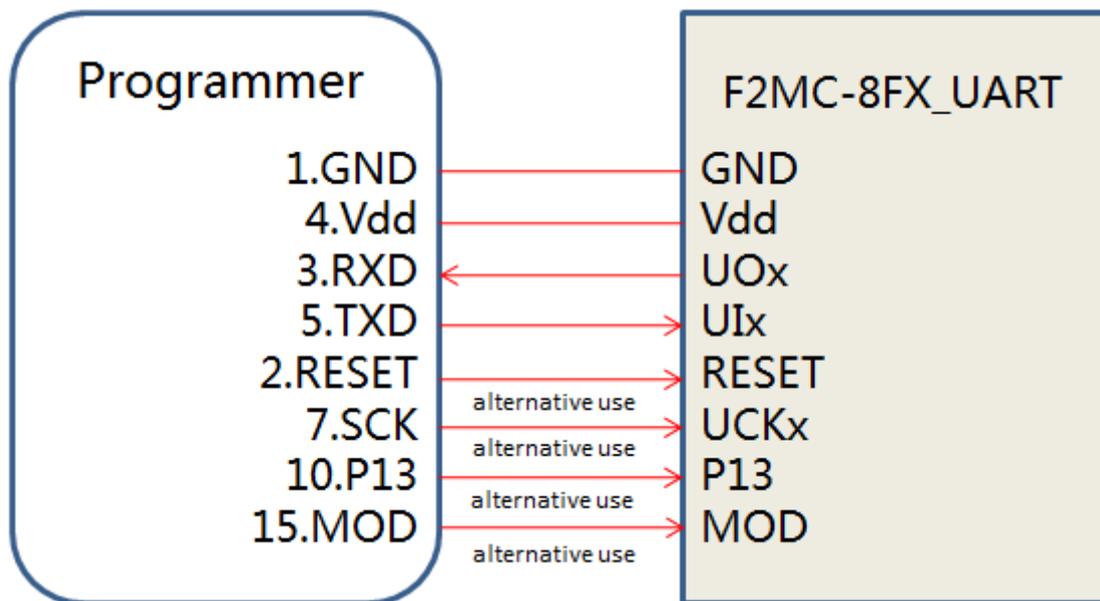| No.	1	2	3	4	5	7	10	15
Name	GND	RESET	RxD/SI	Vdd	TxD/SO	SCK	P13	MOD
F2MC-8FX_SPI	√	√	√	√	√	√	×	○
F2MC-8FX_UART	√	○	√	√	√	○	○	○
NEW-8FX	√	○	√	√	√	×	×	×
FM3	√	√	√	√	√	×	×	○

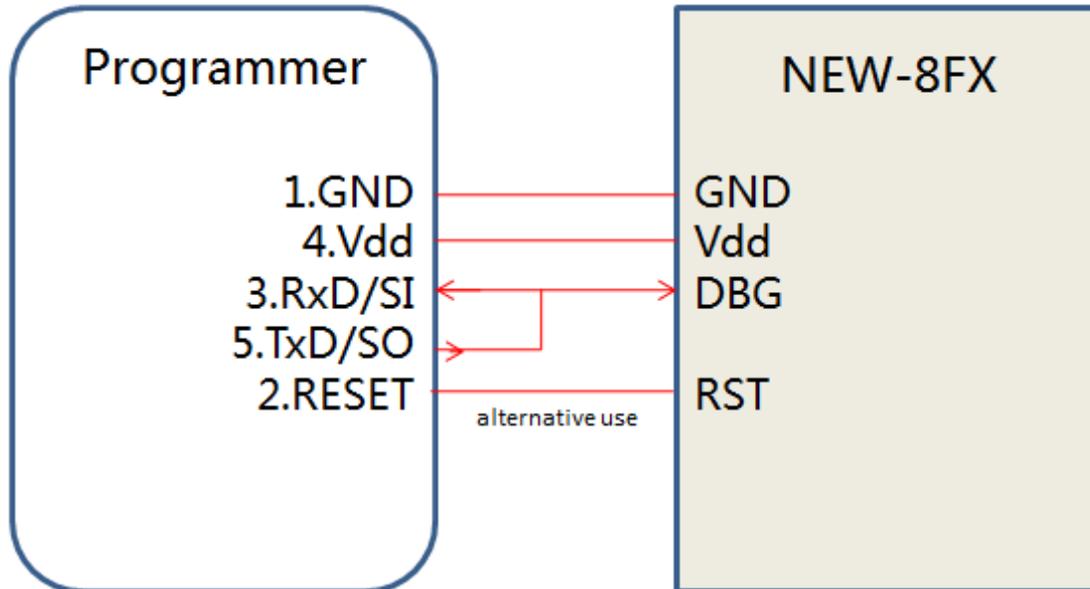√：must connect   ×：keep open   ○：alternative use

NOTE:

✦ **The pin3 and pin5 must short when program some chip.**
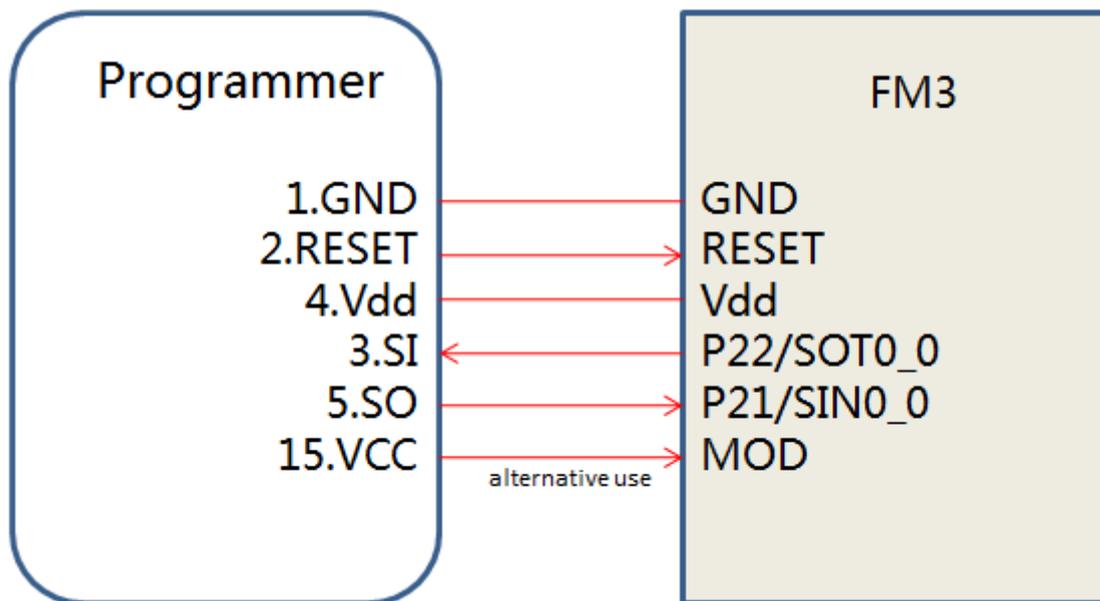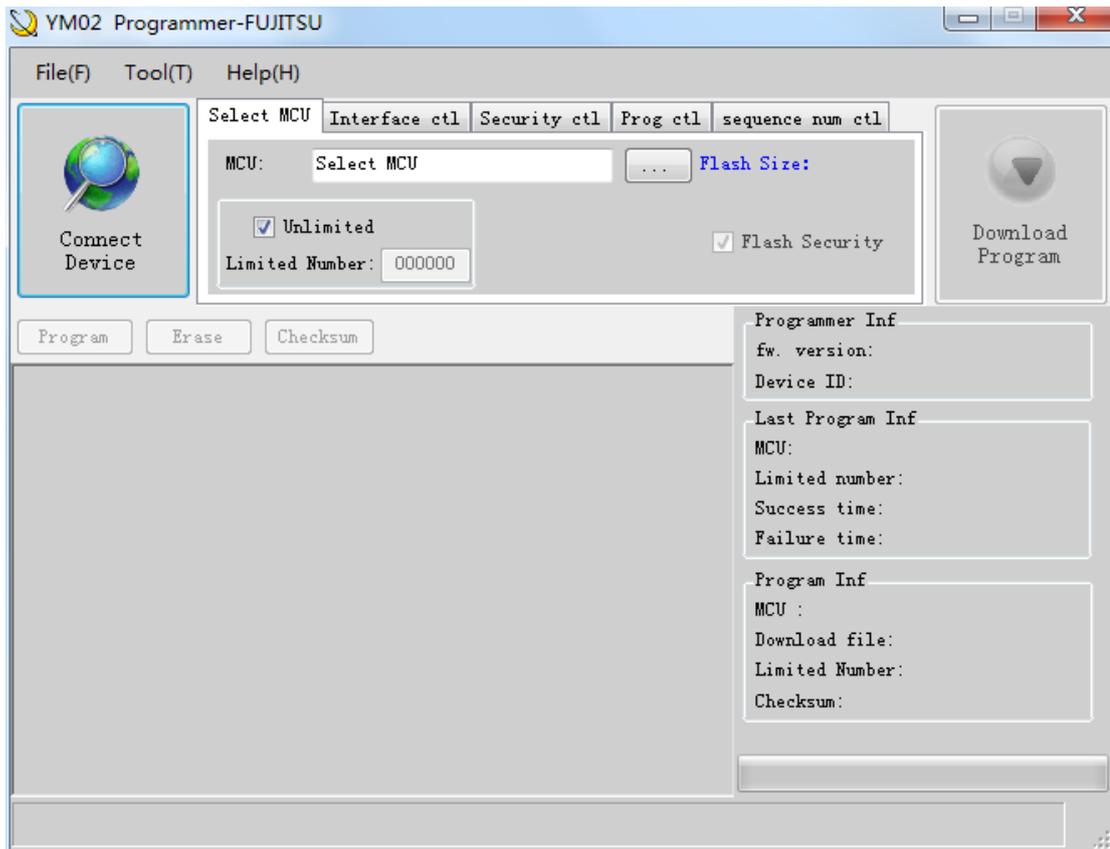
2: F2MC-8FX_SPI

3: F2MC-8FX_UART

4: NEW-8XF

5: FM3

5. Software
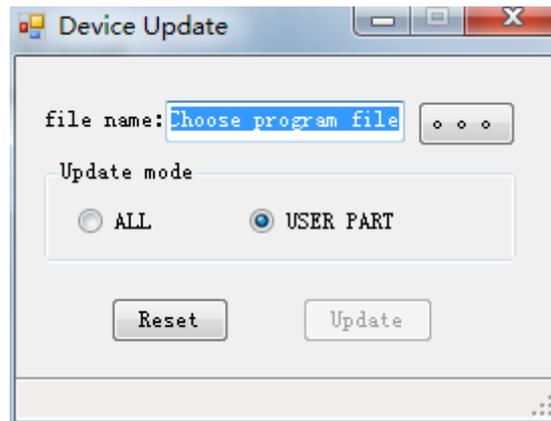
Open the software UI:

6: UI

5.1 Firmware Update

Firmware update function is in the menu "Help".

Select the update file(*.rec). the update mode select:

YM02_FW_Vxxxx_UserPart.rec, select "UserPart".
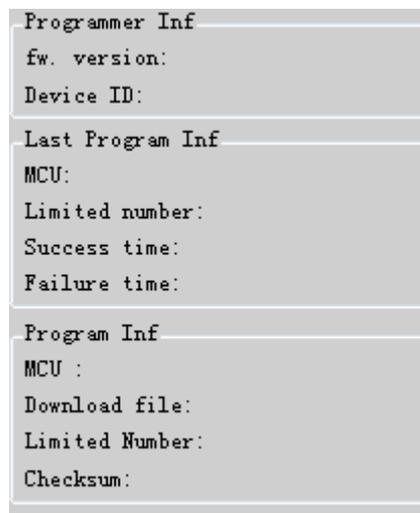
YM02_FW_Vxxxx_All.rec, select "All".

Connect the programmer to PC and reset, then update.

7: firmware update

5.2 Programmer Information

Some information of programmer displayed in the bottom right corner of UI.
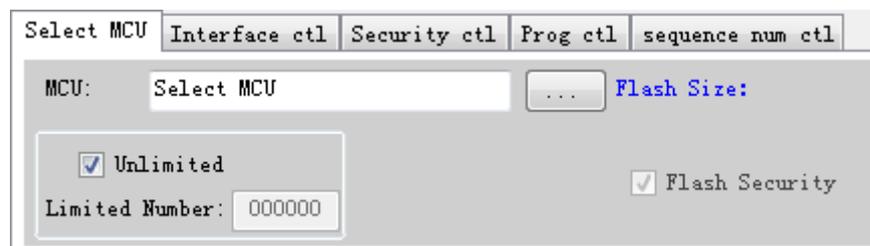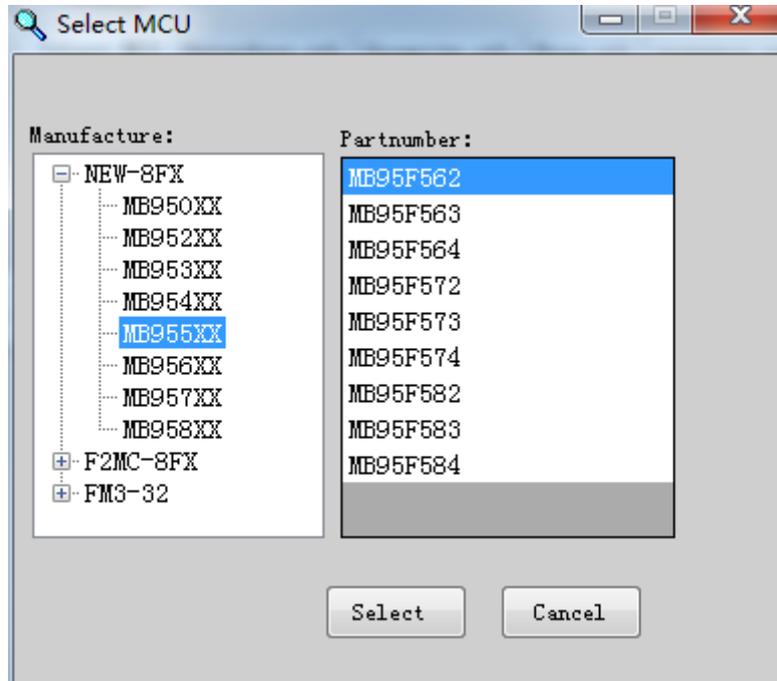

8: programmer information

5.3 Chip Setting

Times limit: if select no limit you can set the times 999999 maximum.

Flash security: disabling any read/write access to the Flash momory from any external pin.

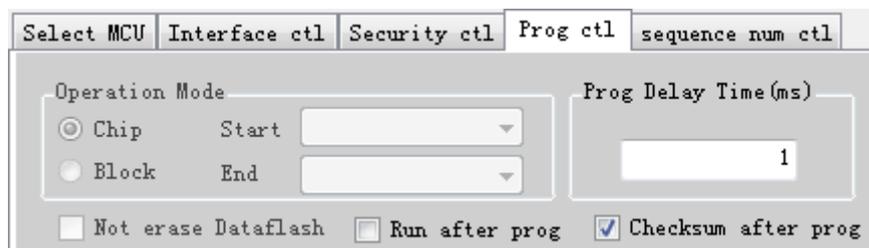9: chip setting

Chip select: select the target Part number.

10: chip select

5.4 Program Control

Program delay: the program operation will delay any time after the target chip power on. If the large bulk capacitance in the target system you can use this function.

NOTE:
  ✧   The delay time set more large maybe failure in program. Default is 1, unit is "ms".

11: program control

5.5 Serial Number Control

Write the regular serial number in fixed area of flash.

12: serial number control 1

The default mode is incremental mode, 8 bytes can write in fixed area. If the area less than 8 bytes, the lower bytes will be write. The current number will change when program succeed.

If not use incremental mode select, the current number will no change always.

13: serial number control 2

If program succeed, the current serial number will display in LCD.

NOTE:
 ✧   End address must greater than start address. The range of address must less than 8.
 ✧   When the range of address less than 8, only lower data can be save.
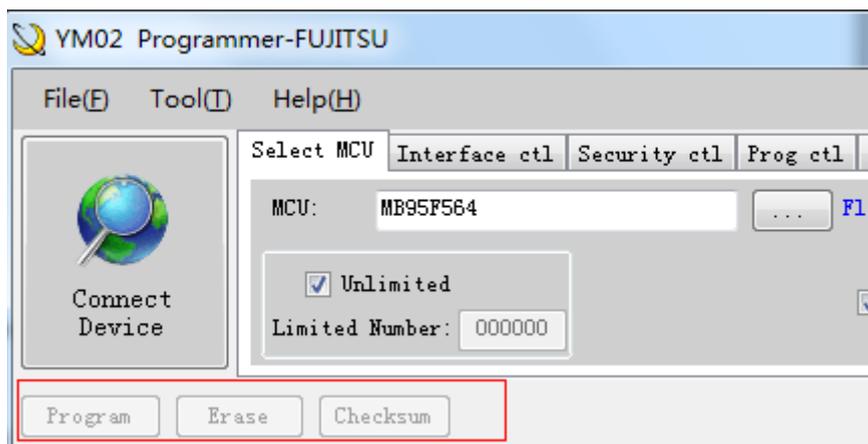
5.6 Download Program

Connect the programmer to PC, and click the button "Connect Device", select the MCU partnumber and setting parameter. Click the button "Download Program" and choose the file, the program file will download to the programmer.

Over download, the programmer can disconnect from the PC.

14: Download Program

5.7 Online Operation

15: Online Operation

The online operation can be do when the programmer connect to PC.

Program, Erase, Checksum will validly.

Thank you, more information please click:

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