*F*P-001 ►►►►
PROGRAMMER

iCT International Currency Technologies

General Specification :

Voltage : +5VDC ± 3%

Current : 120mA (Max)   90mA (Min)

Power Consumption : 0.6W (Max)   0.45W (Min)

Size : (Length)108mm X (Width) 86mm X (Thickness) 29mm

Operating Temperature : 0°C~ 70°C

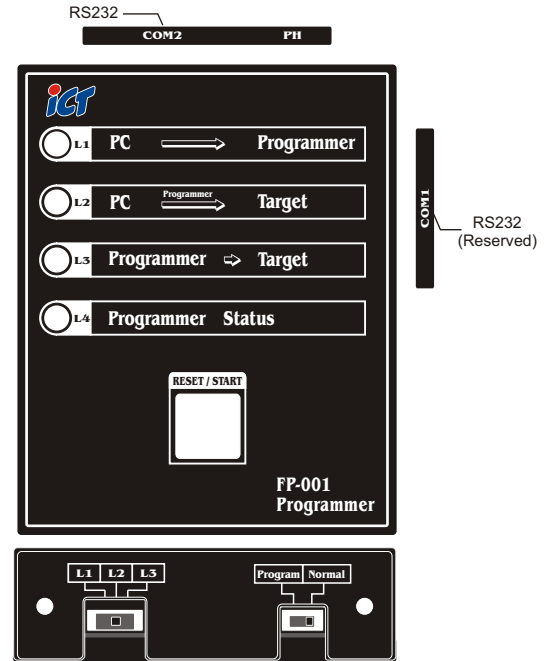Operating Humidity   : 0% ~ 65% (RH)

Use of Materials Limitations

RS232

COM2   PH

iCT

L1 PC ⟹ Programmer

L2 PC Programmer Target

L3 Programmer ⇨ Target

L4 Programmer Status

RESET / START

COM1

RS232
(Reserved)

FP-001
Programmer

L1 L2 L3   Program Normal

Indirect Downloading :

PC ⇨ Programmer

Step 1 : Connection
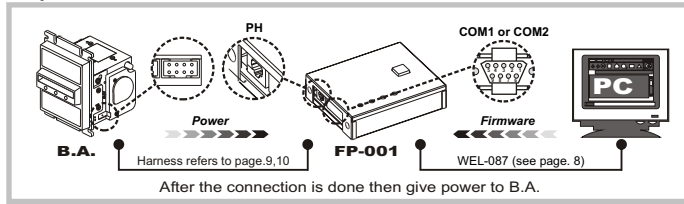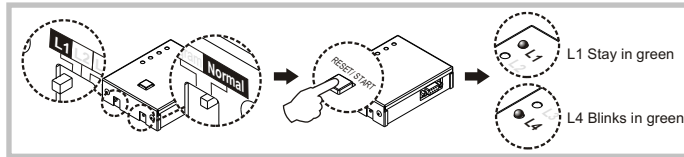
PH

COM1 or COM2

Power

Firmware

B.A.

Harness refers to page.9,10

FP-001

WEL-087 (see page. 8)

PC

After the connection is done then give power to B.A.

Step 2 : FP-001 setting

L1

Normal

RESET/START

L1 Stay in green

L4 Blinks in green

Step 3 : Launch software FW16.exe.
Download FW16.exe from http://www.ictgroup.com.tw/ ➡ support

Step 4 : FW16 setting
CPU MB90F549   Speed 16MHz   Port COM1 or COM2
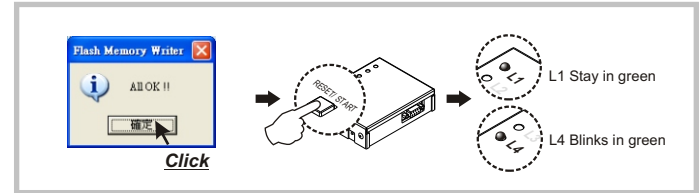The com port setting varies according to the connection on PC.

Step 5 : Retrive the firmware path.

Drag the firmware (bin file) into FW16.window.
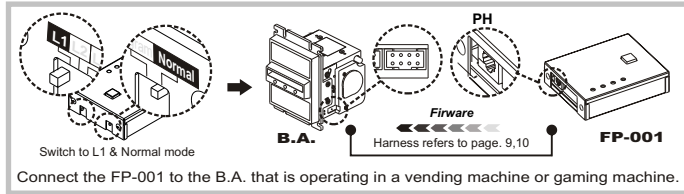

Step 6 : Start downloading to FP-001.

Write File D:\FIRMWARE\M3FFBAU20.BIN

Erase(E)   Blank Check(B)   Write + Verify

Auto(A)   Copy(C)   Information

Click

L4 status during downloading :
1. Blinks in Orange.

The downloading procedure will take for about 80~100 seconds.
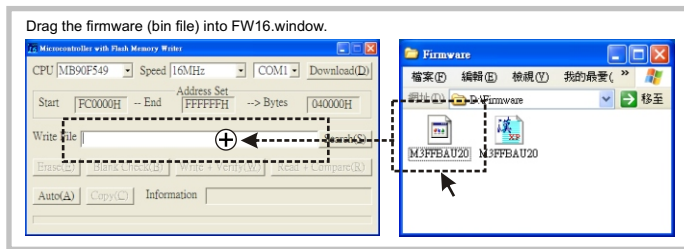
Step 7 : Firmware is saved in the FP-001 now.(Final)

Flash Memory Writer

All OK !!

確定

Click

RESET/START

L1 Stay in green

L4 Blinks in green

Upgrade to Different Currency
Programmer ⇨ Target

Step 1 : Connection.

PH

L1

Normal

Switch to L1 & Normal mode

B.A.

Firware
Harness refers to page. 9,10

FP-001

Connect the FP-001 to the B.A. that is operating in a vending machine or gaming machine.

Step 2 : FP-001 setting.

L3

Normal

L3 Stay in green

L4 Blinks in green

If L4 is not blinking in green, please return to step1 and do again.

Step 3 : Start downloading to B.A..

RESET/START

L3

L4

L4 status during downloading :
1. RED (Stars)
2. OFF (Erasing)
3. RED (Blank Check)
4. RED (Loading & Verifying)
5. ORANGE (Finish)

The downloading procedure will take for about 70~80 seconds.

Step 4 : White card calibration.

RESET/START

L4

1. OFF
2. ORANGE

Input white card to calibrate B.A.

There is only one chance to do white card calibration after downloading is finished, or else please start up from step 1.

Step 5 : Indirect downloading finish.

RESET/START

L3 Stay in green

L4 Stay in green

The new firmware update and calibration of B.A. are complete.

Step 6 : Reset B.A. (Final).

L2

Normal

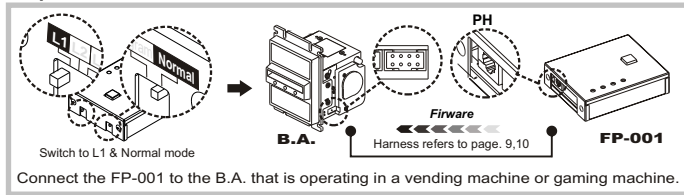RESET/START

L3 Stay in green
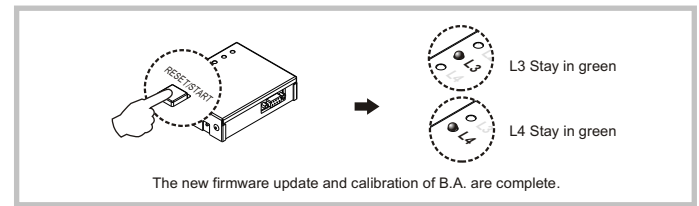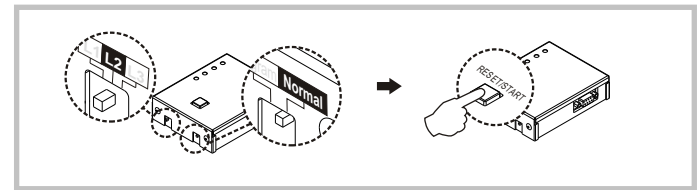
⚠ *Very Important*

1. If there is no com port but USB avalible on your PC , you can buy the (USB-to-Serial Comm Port) adapter for the FP-001 to PC connection. The (USB-to-Serial Comm Port) may be avalible in the shop which sells PC and it's peripherals.

2. All bill acceptor must be calibrated with a white card after its firmware is upgraded to different currency.
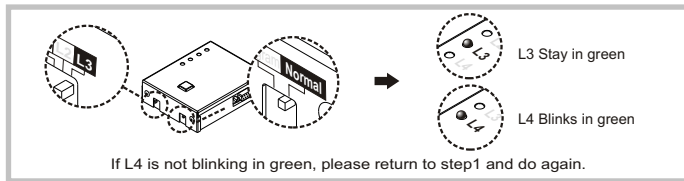
3. The white card must be offered by I.C.T.
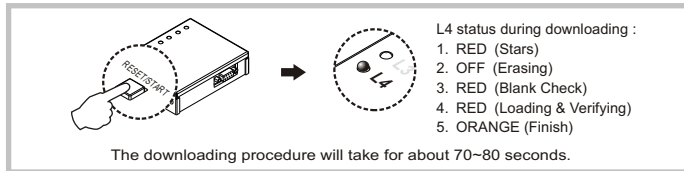
Upgrade to Same Currency
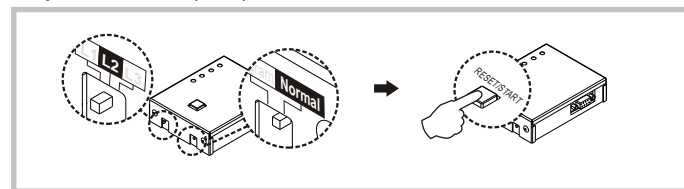## Programmer ⇨ Target

Step 1 : Connection.

Switch to L1 & Normal mode

PH

Firware
Harness refers to page. 9,10

B.A.   FP-001

Connect the FP-001 to the B.A. that is operating in a vending machine or gaming machine.

Step 2 : FP-001 setting.

L3 Stay in green

L4 Blinks in green

If L4 is not blinking in green, please return to step1 and do again.

Step 3 : Start downloading to B.A..

L4 status during downloading :
1. RED (Stars)
2. OFF (Erasing)
3. RED (Blank Check)
4. RED (Loading & Verifying)
5. ORANGE (Finish)

The downloading procedure will take for about 70~80 seconds.

Step 4 : Reset B.A. (Final).

Direct Downloading :

Step 1 : Connection
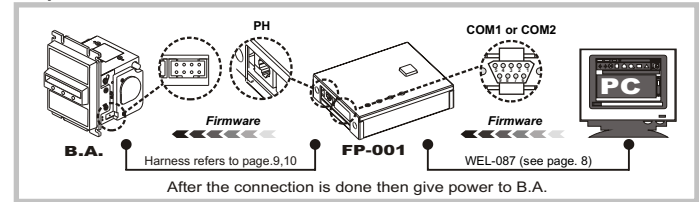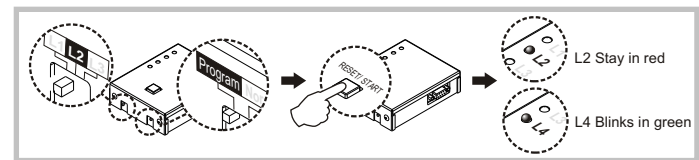
PH

COM1 or COM2

PC

B.A.   *Firmware* Harness refers to page.9,10   FP-001   *Firmware* WEL-087 (see page. 8)

After the connection is done then give power to B.A.

Step 2 : FP-001 setting

L2 Stay in red

L4 Blinks in green

Step 3 : Launch software FW16.exe.
Download FW16.exe from http://www.ictgroup.com.tw/ ➡ support

Step 4 : FW16 setting

CPU MB90F549   Speed 16MHz   Port COM1 or COM2
The com port setting varies according to the connection on PC.

Step 5 : Retrive the firmware path.

Drag the firmware (bin file) into FW16.window.

Step 6 : Start downloading to B.A..

Write File │ D:\FIRMWARE\M3FFBAU20.BIN

Erase(E)   Blank Check(B)   Write + Verify

Auto(A)   Copy(C)   Information │
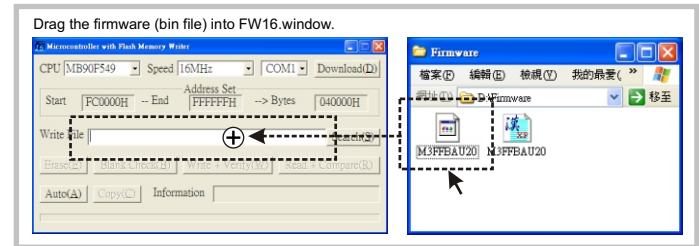
↖ *Click*

Click Auto(A) button to download firmware into B.A..

The downloading procedure will take for about 60~75 seconds.

Step 7 : Firmware downloading to B.A. finish.
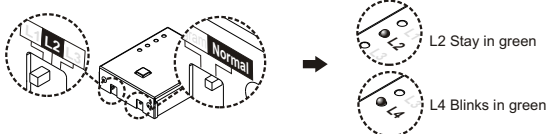

Flash Memory Writer

ⓘ All OK !!

確定

Click

The new program will pass through the FP-001 programmer and load into the B.A..

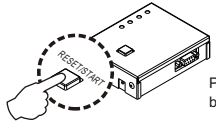**How ever the new program will not be stored in FP-001 programmer.**

Step 8 : Switch FP-001 to Normal mode.

L2 Stay in green

L4 Blinks in green

Step 9 : Reset B.A. (Final).


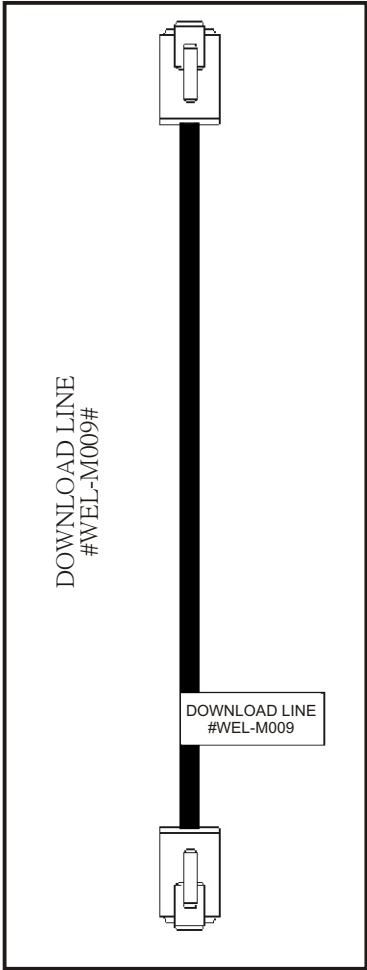Press down < Reset / Start > button of FP-001 then B.A. will reset.
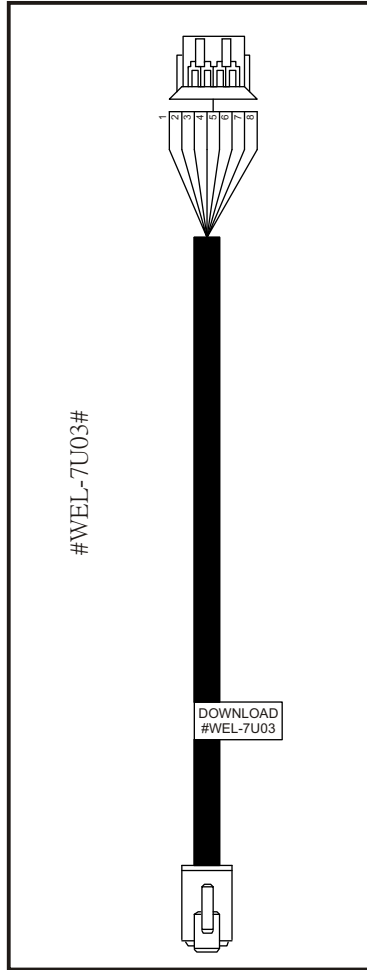
⚠ *Very Important*

1. All bill acceptor must be calibrated with a white card after its firmware is upgraded to different currency.

2. The white card must be offered by I.C.T.

3. The B.A. White card calibration manual please download from http://www.ictgroup.com.tw/ ➡ support

D-SUB DOWNLOAD LINE #WEL-087#

D.SUB DOWNLOAD LINE #WEL-087
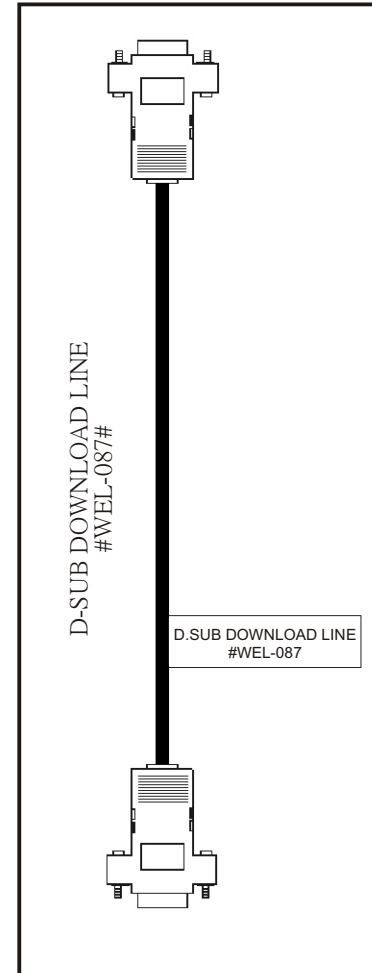
This harness WEL-087 is for FP-001 to PC connection.

DOWNLOAD LINE
#WEL-M009#

DOWNLOAD LINE
#WEL-M009

This harness WEL-M009 is for 6 series , 7 series, Note Dispenser and GP-58 series.

#WEL-7U03#

1 2 3 4 5 6 7 8

DOWNLOAD
#WEL-7U03

This harness WEL-7U03 is for U series , UF series, Leonid and MCA series.

iCT Taiwan

International Currency Technologies Corporation

Ji-Hong Building, No 24, Alley 38, Lane 91, Nei-hu Rd., Sec. 1,
Taipei, Taiwan, R.O.C.

Tel: 886-2-2797-1238   Fax:886-2-2797-1634

sales@ictgroup.com.tw (For Sales)
rma@ictgroup.com.tw (For Customer service)