ITE Demo AP User Guide v.2.5

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Outline

❖ **Preparation**

❖ **Operations**

  ▪ Load Image from file and send to IT8951

  ▪ Display

  ▪ Firmware upgrade steps

iTE

Preparation

❖ **Hardware**

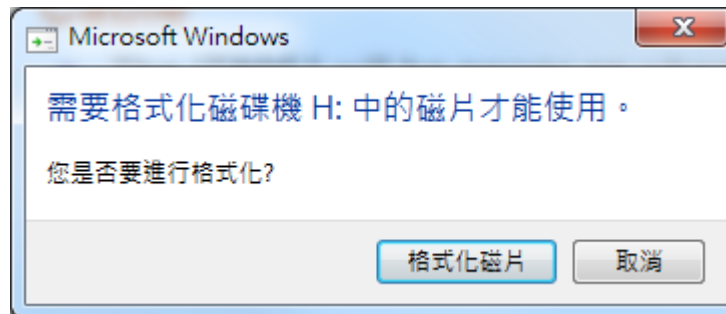- IT8951 Demo Board
- Micro SD Card
- USB Cable

❖ **Software**

- ITE Demo AP
- Firmware code
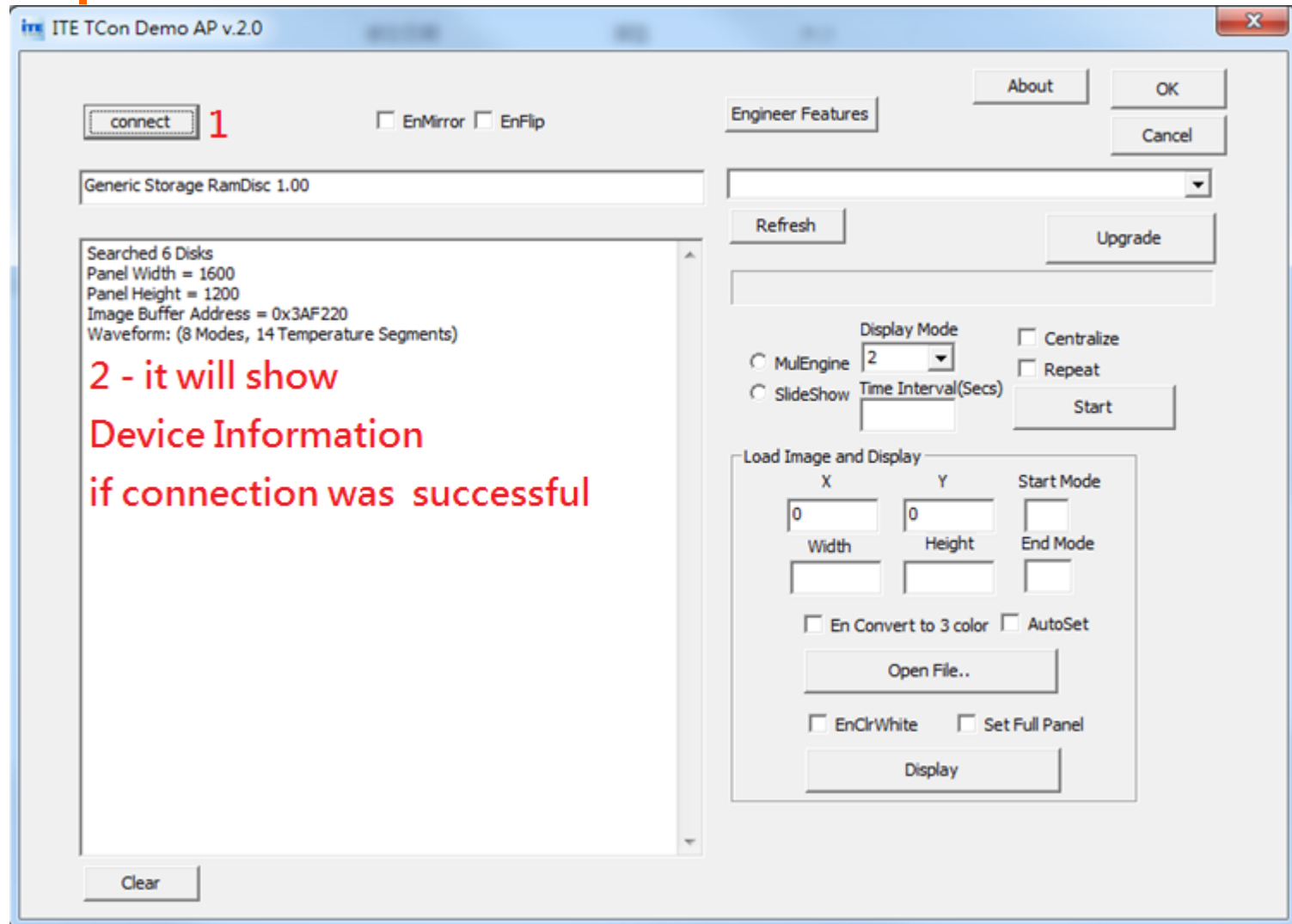 - → If you need to upgrade FW

Beginning

❖ **Please connect IT8951 to your PC via USB Cable**

- The IT8951 will be power on when USB cable is plugged
- There will be a mass storage detected
  → Please Click Cancel to ignore it.

Microsoft Windows

需要格式化磁碟機 H: 中的磁片才能使用。

您是否要進行格式化?

[格式化磁片] [取消]

ITE Demo AP overview

❖ **Open AP**

Load Image from File(0)

❖ **Please set (x,y) first**

- Default (0,0)
- Or you can set (x,y) before you opening image file

Load Image from File(1)
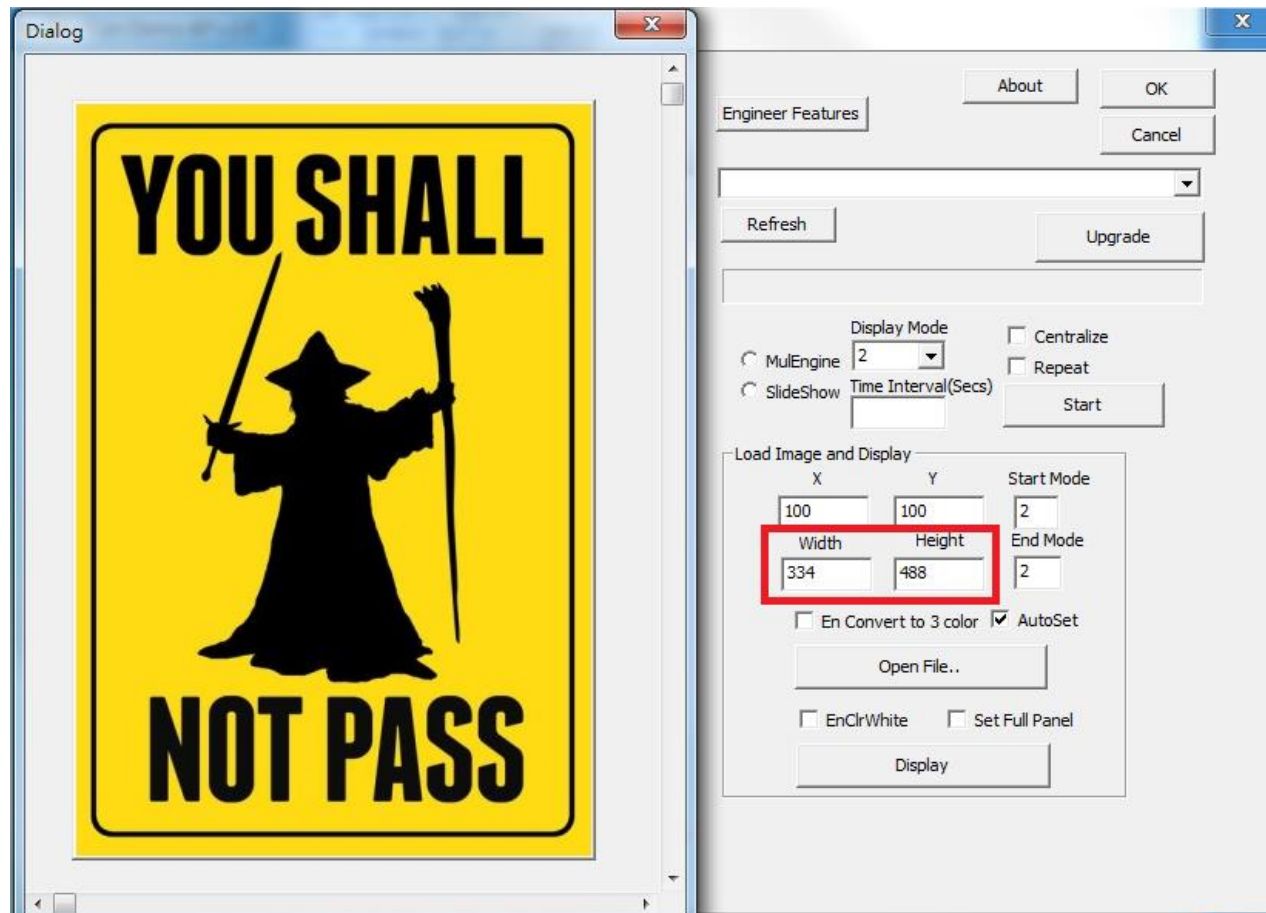
❖ **Select Image file**

■ it supports *.jpg and *.bmp
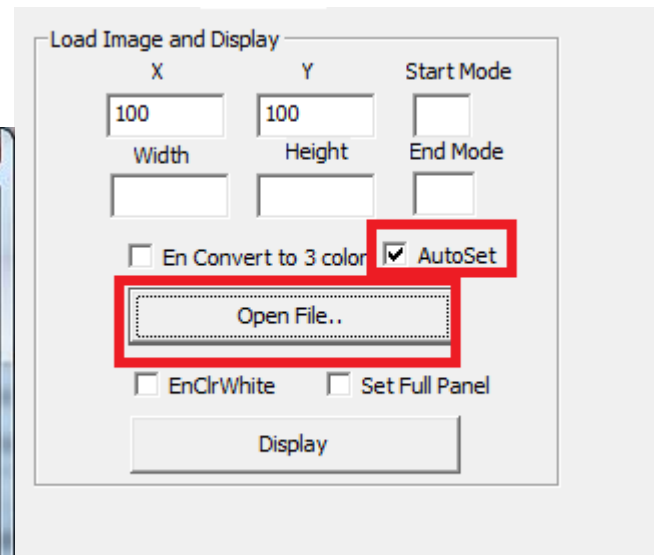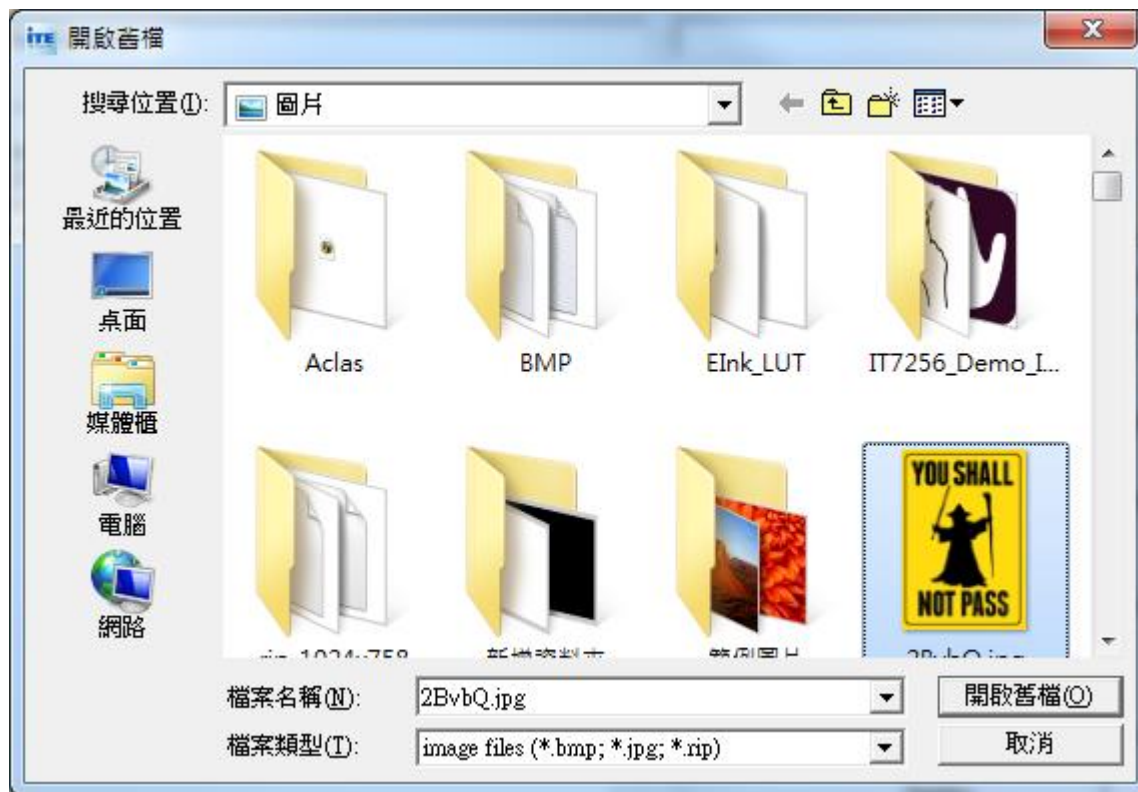
Load Image from File(2)

❖ **Load Image file and send to IT8951**

- ITE demo AP will convert to Raw data from selected image file And then send to IT8951
- The image (w,h) will be set which depends on selected image size if AutoSet ticked

Display

❖ Send Display Command to IT8951 to perform Display Flow

- The EPD Panel will be updated after clicking Display
- Display Mode
  - → It depends on waveform defintion
    - – Mode 0 for clear all white
    - – Mode 2 for display 16 gray scale
  - → Start mode -> End Mode
  - → If start mode is equal to end mode -> it means 1 Display mode only
    - – e.g. - Start mode = 2 , End Mode = 2
      => Display mode = 2
  - → Otherwise , it Display from **Start mode ~ End Mode**
    - – e.g. Start mode = 0, End Mode = 1
      => Display Mode 0 => Display Mode 1

Load Image and Display

X	Y	Start Mode
100	100	2
Width	Height	End Mode
334	488	2

☐ En Convert to 3 color ☑ AutoSet
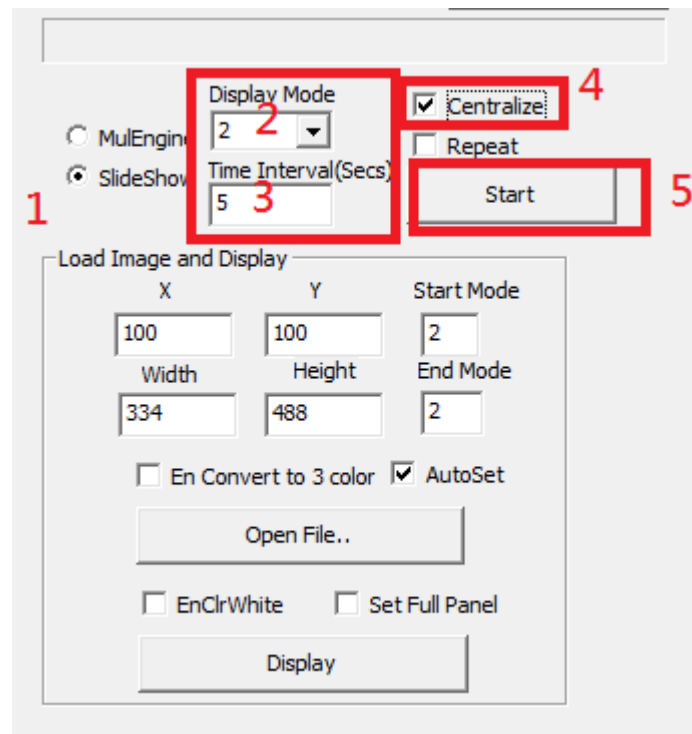
Open File..

☐ EnClrWhite   ☐ Set Full Panel

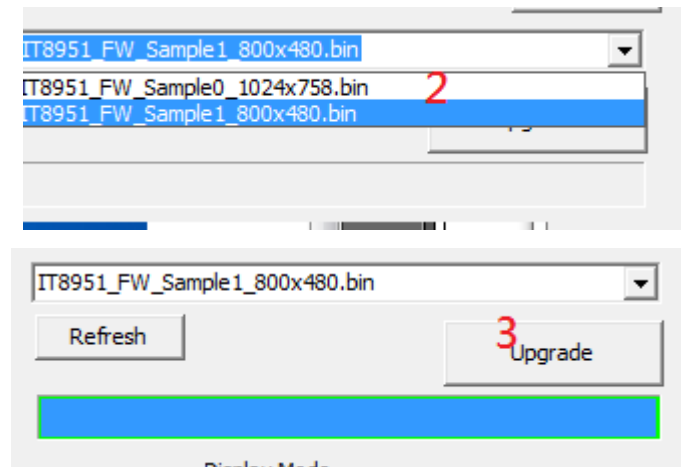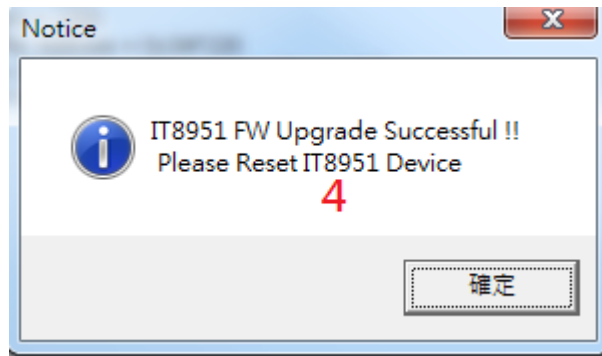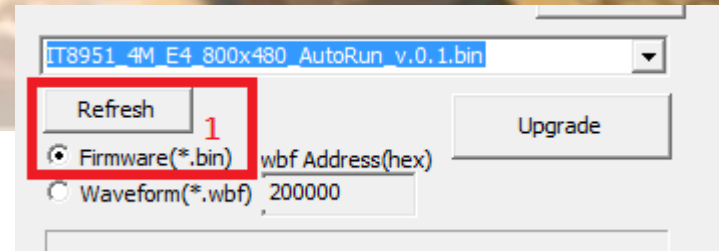Display

Other features

❖ Slide Show

- Please set display mode first
- Tick Centralized
- Please put the your Image files which you want to show in Path
  - → **\SlideShowImages**
  - → create it if you have no this named folder
- Click Start

FW Upgrade(*.bin)

IT8951_4M_E4_800x480_AutoRun_v.0.1.bin

Refresh 1
- Firmware(*.bin) wbf Address(hex)
- Waveform(*.wbf) 200000

Upgrade

❖ **Steps**

❖ Please put your Firmware xxx.bin on the same current Path with ITE DemoAP

    ❖ **Connect** (if not connected)

1. Select firmware(*.bin) Refresh
2. Select the firmware from combo list for upgrade
3. Upgrade
4. Check FW Upgrade result

IT8951_FW_Sample1_800x480.bin
IT8951_FW_Sample0_1024x758.bin
IT8951_FW_Sample1_800x480.bin
2

IT8951_FW_Sample1_800x480.bin

Refresh 3 Upgrade

Notice ✕

ℹ IT8951 FW Upgrade Successful !!
Please Reset IT8951 Device
4

確定

ITE

Waveform Upgrade (*.wbf)

❖ **Steps**

❖ Please put your waveform file xxx.wbf on the same current Path with ITE DemoAP

    ❖ Connect (if not connected)

1. Select Waveform
2. Refresh
3. Select the wavefom file(*.wbf) from combo list for upgrade
4. Upgrade
5. Check wbf Upgrade result