



# Firmware & Image Update Procedure

# How to know your current FW version?



- ◆ **Part 1**
  - **Binary Firmware upgrade via Web UI**
- ◆ **Part 2**
  - **USB image file upgrade via miniUSB interface**

# How to know your current FW version?



- **Part 1**

- **Binary Firmware upgrade via Web UI**
  - **Working environment:**
    - Using IE browser to log in video server (or IP camera) and enter setting pages

# How to know your current FW version?



- ◆ Status page in web

The screenshot shows the web interface of an EV3000 Video Server. The browser window title is "EV3000 Video Server - Microsoft Internet Explorer". The address bar shows "http://10.1.". The page has a sidebar with navigation links and a main content area titled "Status".

**Status**

**Network Status (Wired)**

MAC Address	00:19:6C:30:00:28
IP Address	10.1.20.175
Subnet Mask	255.255.255.0
Gateway	10.1.20.250
Default DNS	168.95.1.1

**Model Info**

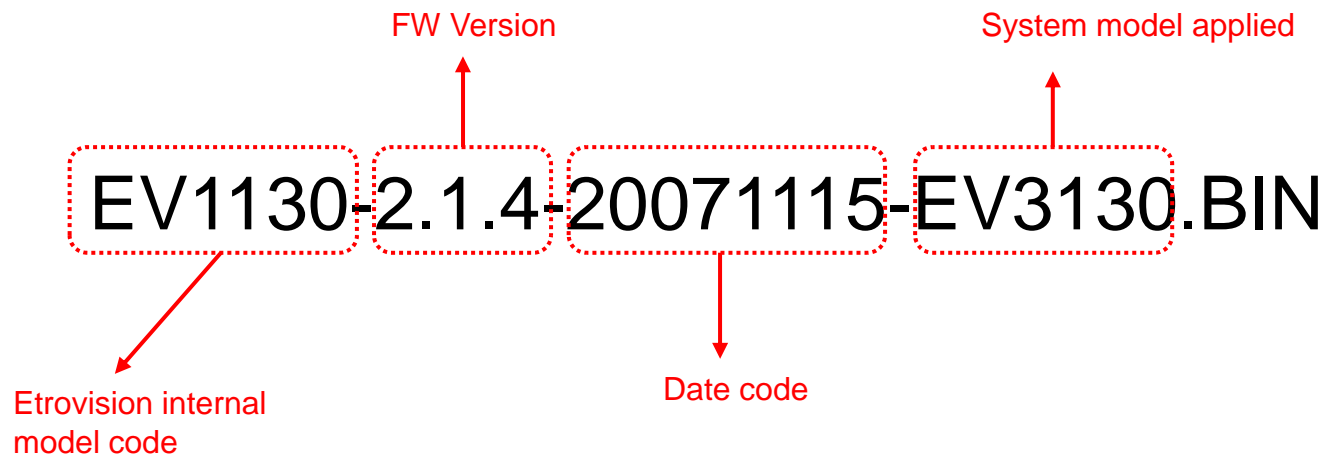
Model	EV3000
Serial Number	
Firmware Version	1.2.3 Build 20070724

A red arrow points to the "Firmware Version" field, which is labeled "Current FW version Information".

# FW file name definition

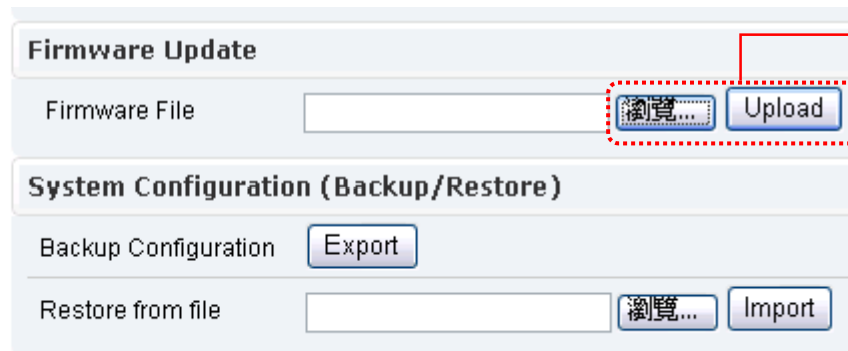
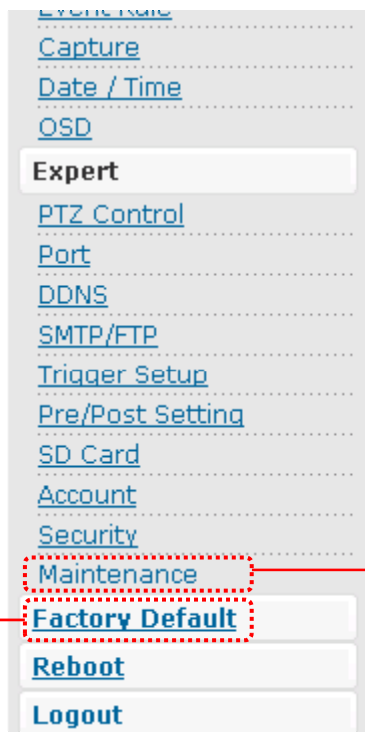


- ◆ The FW file should be InternalCode – FWVersion – DateCode - ModelApplied. **BIN**



Enter to product's web UI to manipulate following steps:

**Step1** : Load Factory Default, system will automatically reboot; then re-login system again



**Step2** : Go to “Maintenance” page and assign new FW file, then click “upload”, system will guide upgrade process. **DO NOT REMOVE POWER AND NETWORK CABLE DURING PROCESS**

# Step1. Load Factory Default



EV3000 Video Server - Microsoft Internet Explorer

檔案(E) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

網址(D) http://10.1. 移至

Google G Go 3 blocked Settings

ETROVISION www.etrovision.com EV3000 Video Server

Status

Basic

Network

Video

Event Rule

Video Record

Date / Time

OSD

Expert

PTZ Control

Port

DDNS

SMTP/FTP

Trigger Setup

Account

Security

Firmware Update

**Factory Default**

Reboot

Logout

## Reboot

Rebooting, 46sec remained

When click "Factory Default", system will automatically go to reboot process, please wait for reboot finished

完成 網際網路

# EtroScan found 192.168.1.2 default IP address



**ETROVISION**  
www.etrovision.com

**EtroScan Utility**

Network Type	IP Address	MAC Address
pppoe	10.1.20.170	00-19-6C-00-01-60
dhcp	10.1.20.152	00-19-6C-30-00-38
static	10.1.20.155	00-19-6C-11-3B-18
static	10.1.20.51	00-19-6C-11-3B-8B
static	192.168.1.2	00-19-6C-30-00-28
static	10.1.20.52	00-19-6C-11-30-11

Scan    Change Setting...    Clear Table    Exit

After reboot finished, system ip address will be loaded back to 192.168.1.2

Mouse right click 192.168.1.2 to change to DHCP



**Setting Page**

**Network Type**

DHCP       Static IP       PPPoE

**Network Configuration**

<b>IP Address :</b>	192 . 168 . 1 . 2
<b>Gateway :</b>	192 . 168 . 1 . 1
<b>Net Mask :</b>	255 . 255 . 255 . 0
<b>DNS Server :</b>	168 . 95 . 1 . 1

**Apply**      **Restore**      **Close**

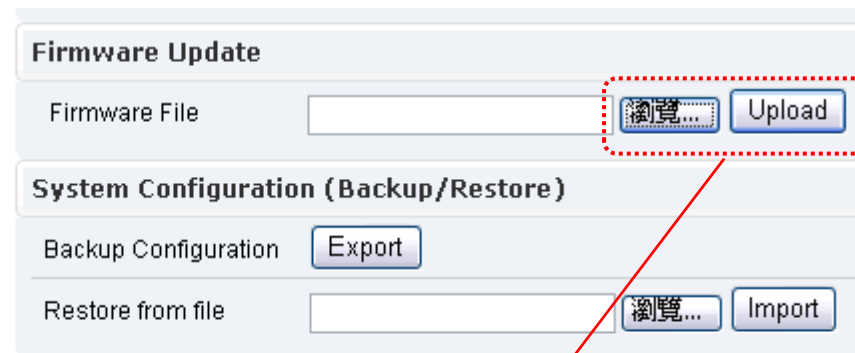
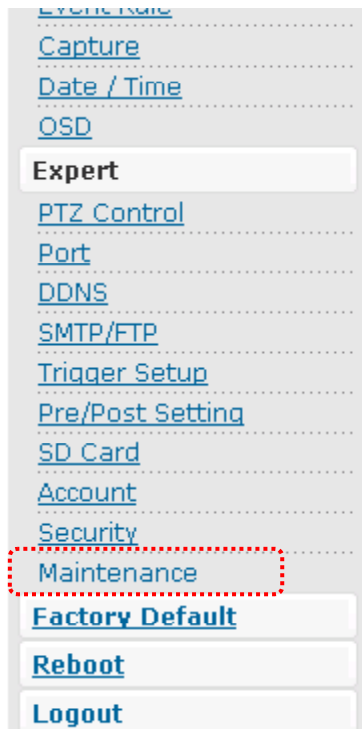
# EtroScan find new IP assigned



The screenshot shows the EtroScan Utility application window. The title bar reads "EtroScan Utility" and includes standard window controls. The top-left corner features the ETROVISION logo and the website "www.etrovision.com". The main area contains a table with three columns: "Network Type", "IP Address", and "MAC Address". The table lists several network configurations, with the row for "dhcp" with IP "10.1.20.175" and MAC "00-19-6C-30-00-28" highlighted in blue. At the bottom of the window, there are four buttons: "Scan", "Change Setting...", "Clear Table", and "Exit".

Network Type	IP Address	MAC Address
● pppoe	10.1.20.170	00-19-6C-00-01-60
● static	10.1.20.155	00-19-6C-11-3B-18
● dhcp	10.1.20.152	00-19-6C-30-00-38
● static	10.1.20.52	00-19-6C-11-30-11
● dhcp	10.1.20.175	00-19-6C-30-00-28
● static	10.1.20.51	00-19-6C-11-3B-8B

## Step2. Upgrade new FW via Web UI



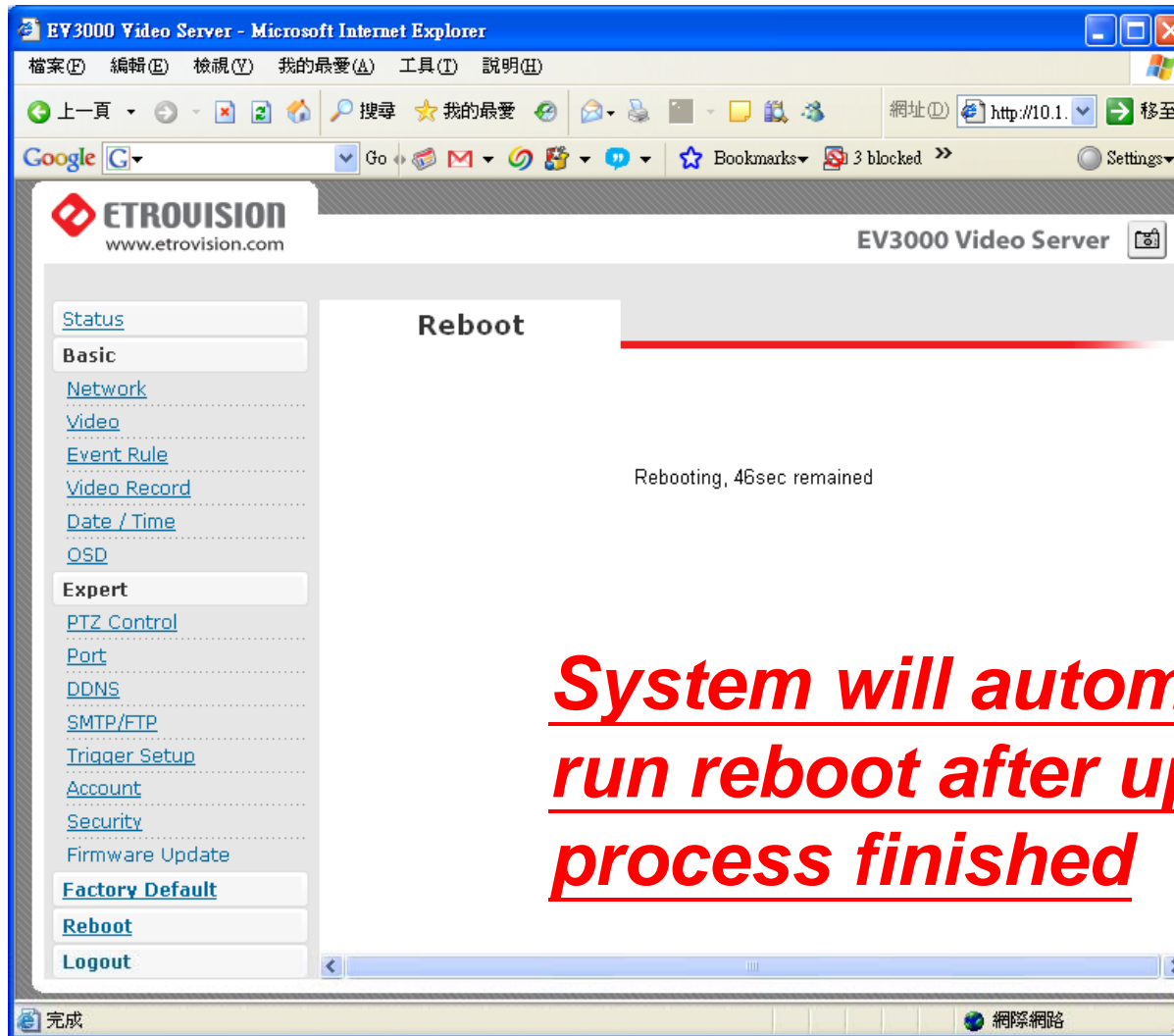
Assign new FW file (\*.bin) path, then click "Upload" button

# Updating new firmware after Upload clicked



The screenshot shows a Microsoft Internet Explorer browser window displaying the ETROVISION EV3000 Video Server administration page. The browser's address bar shows the URL <http://10.1.20.175/admin/update.asp>. The page title is "EV3000 Video Server". The main content area is titled "Firmware Update" and displays "Uploading...". A large red warning message is overlaid on the page: **DO NOT REMOVE POWER AND NETWORK CABLE DURING PROCESS**. The left sidebar contains a navigation menu with categories "Basic" and "Expert", and buttons for "Factory Default", "Reboot", and "Logout".

# Upgrading process finished



**System will automatically  
run reboot after upgrade  
process finished**

# Check New Firmware Updated



**Status**

**Basic**

- [Network](#)
- [Video](#)
- [Event Rule](#)
- [Scheduled Capture](#)
- [Date / Time](#)
- [OSD](#)

**Expert**

- [PTZ Control](#)
- [Port](#)
- [DDNS](#)
- [SMTP/FTP](#)
- [Trigger Setup](#)
- [Pre/Post Setting](#)
- [SD Card](#)
- [Account](#)
- [Security](#)
- Maintenance

**Factory Default**

**Reboot**

**Logout**

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**Status**

**Network Status (Wired)**

MAC Address	00:19:6C:30:08:9E
IP Address	10.1.20.180
Subnet Mask	255.255.255.0
Gateway	10.1.20.250
Default DNS	168.95.1.1

**Model Info**

Model	EV3000
Serial Number	J343000666
Firmware Version	2.3.2 Build 20080218

Check whether or not new FW has been updated

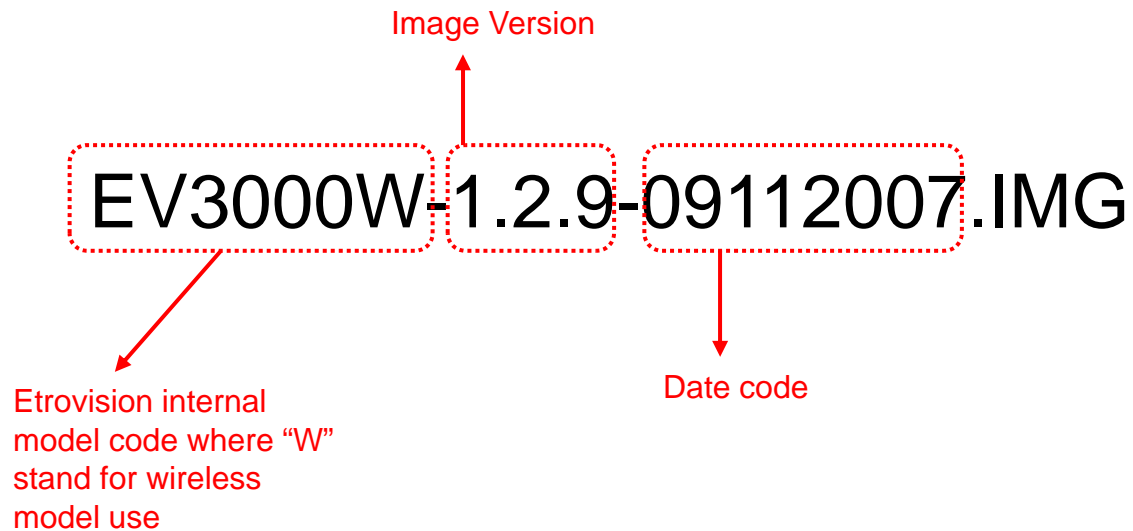
- **Part 2**

- **USB image file upgrade via miniUSB interface**
  - **Working environment:**
- Remove power cable and connect USB cable between EtroLink and PC USB port
- Copy and past USB Image file (\*.IMG) for upgrading USB device agent

# Image file name definition



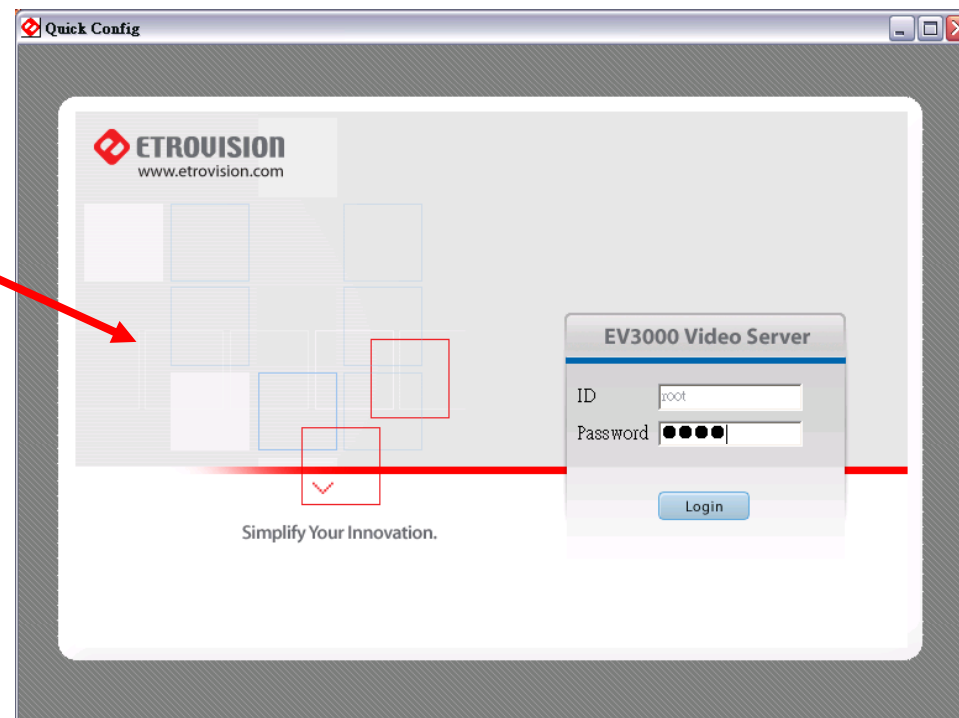
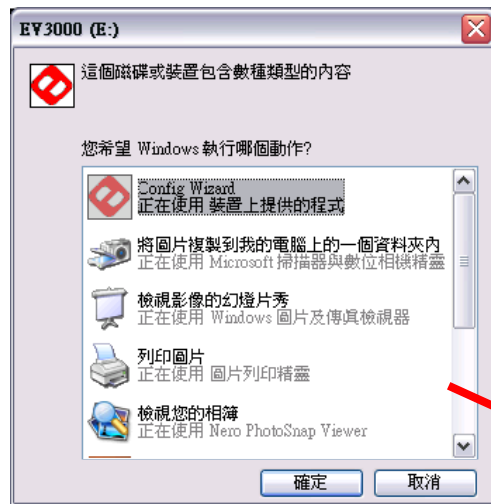
- ◆ The FW file should be InternalCode – ImageVersion – DateCode. **IMG**



# Step1. EtroLink Unlock

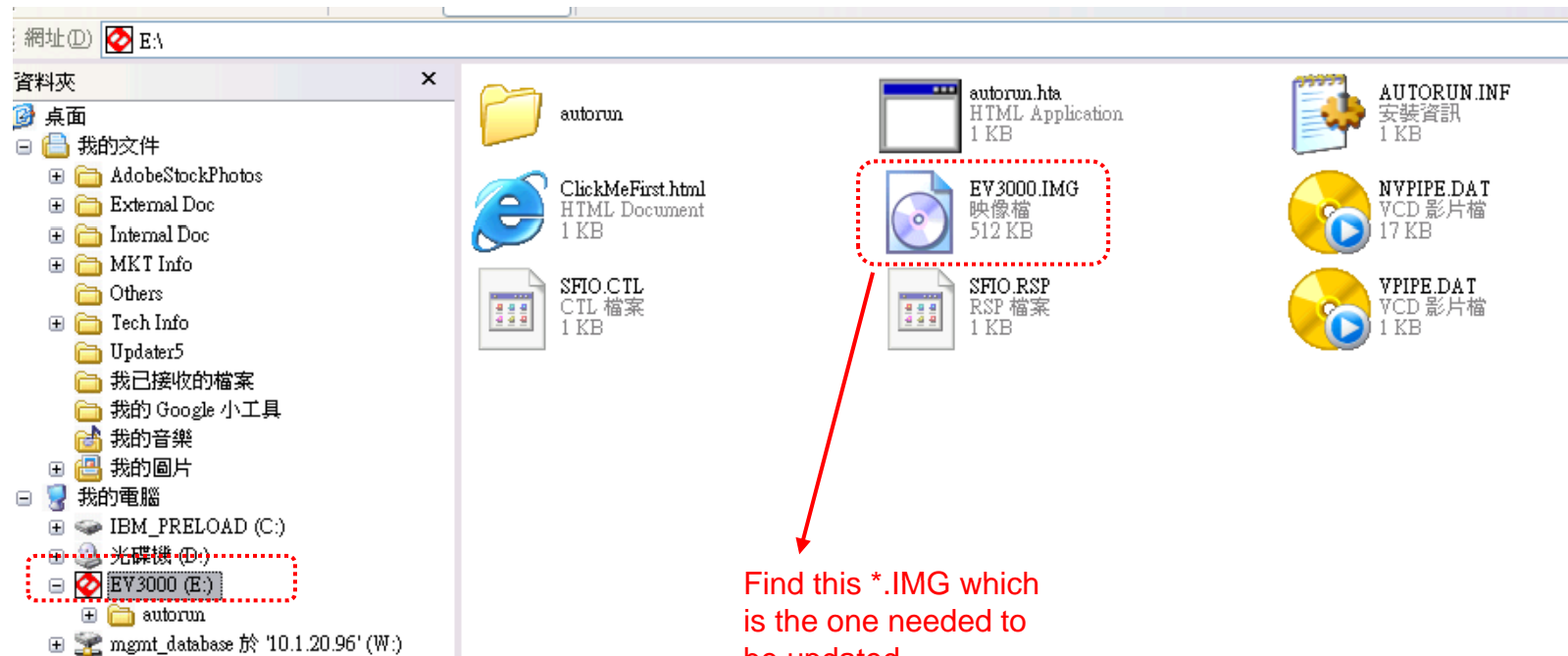


- ◆ Run Config Wizard and login for USB agent unlocking



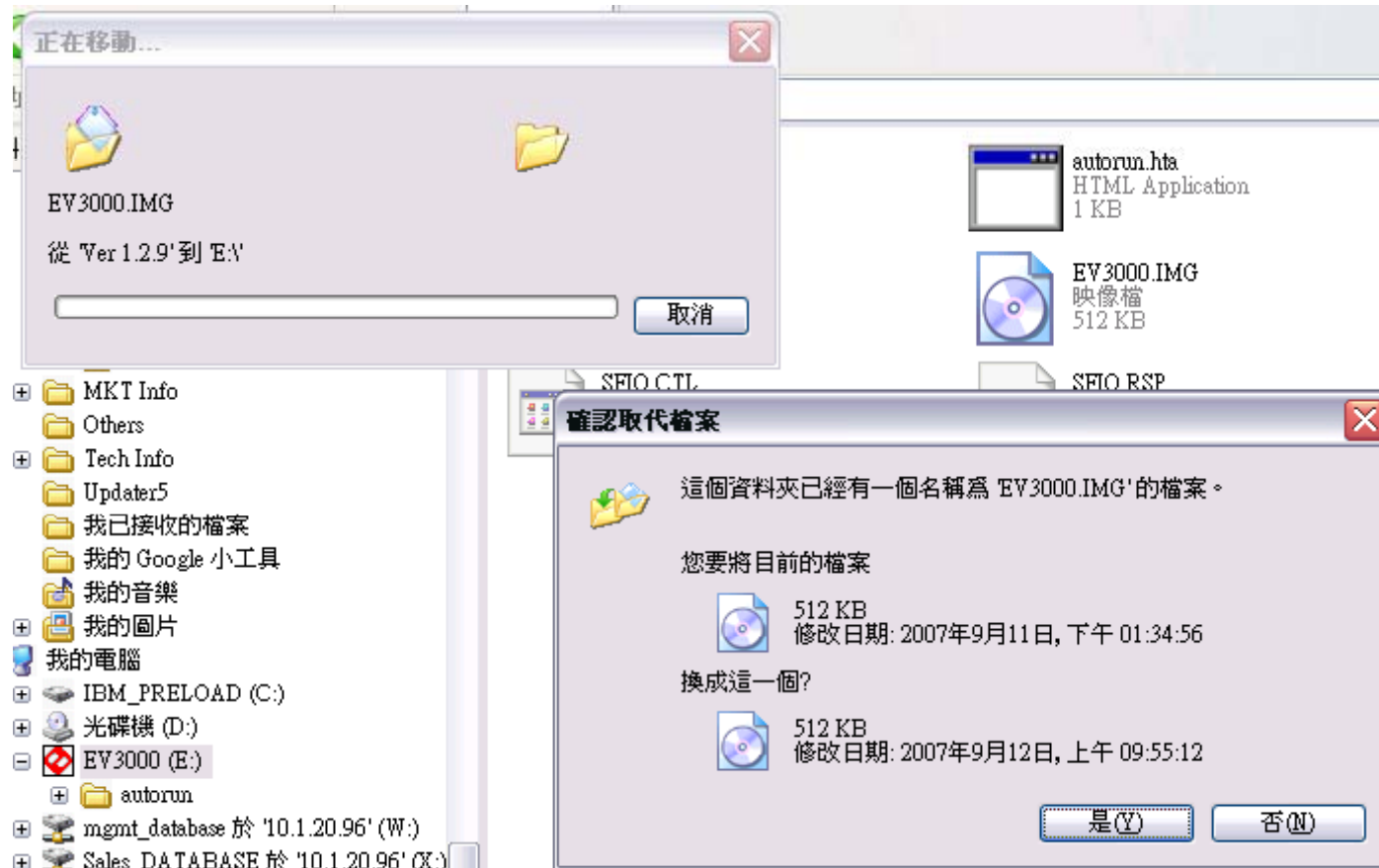
## Step2. Find the removable disk in Windows Explorer

- ◆ After unlock, you can find a removable disk in Windows Explorer
- ◆ Enter to this removable disk to access files



## Step3. Upgrading Image file

- Find the only one \*.IMG in removable disk
- Prepare new image file and rename it same as \*.IMG (Ex. EV3000.IMG)
- *Copy and past new image file to replace old one*



# Upgrade Image file finished



- ◆ After copying and past \* .IMG file finished, remove USB cable, then plug-in USB cable again
- ◆ Config Wizard will appear again for network parameter setup

