

Classification	UA-Series English FAQ-Upd-007							
Author	Eva Li	Version	1.0	Date	2026,05	Page	1 / 9	

**FAQ-UPD-007: How to upgrade OS and firmware for the NAND Flash 512MB UA-2200/UA-5200 series to V.1.4.0.0 or later version? (Upgrade via USB)**

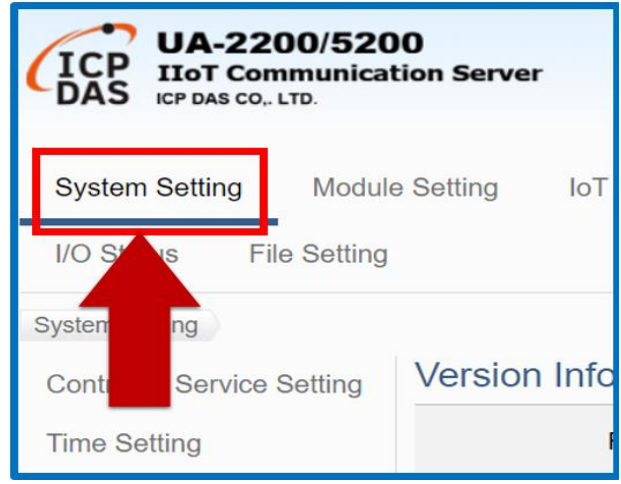
ICP DAS UA series provides new functions! Please upgrade the OS to provide more complete services.

**When does the OS need to upgrade?**

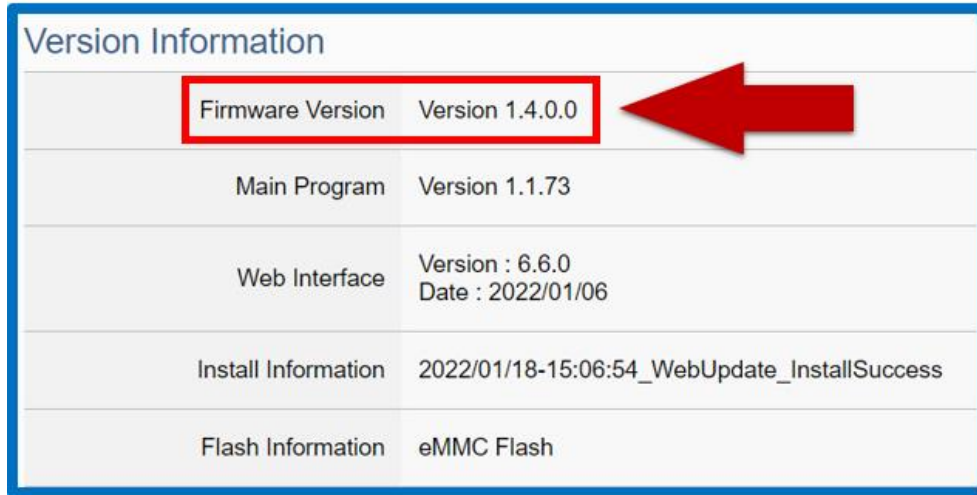
When the **UA-2200 or UA-5200 NAND Flash 512MB version** update the Firmware to a version above 1.4.0.0, but the current version is lower than 1.4.0.0, it needs to upgrade the OS and the Firmware.

**1. Check the Firmware Version**

Log in the UA-2200 or UA-5200 UI webpage, and click [System Setting].



Check the [Firmware Version] in [Version Information]. If it is lower than V.1.4.0.0 and you want to upgrade to V.1.4.0.0 or above, please go to the next step. If it is V. 1.4.0.0 or above, you can directly update the firmware without upgrading the OS.



Classification	UA-Series English FAQ-Upd-007							
Author	Eva Li	Version	1.0	Date	2026,05	Page	2 / 9	

## 2. Check If the UA-2200 or UA-5200 Can Upgrade the OS?

**[UA-2200 Series]** All models are NAND Flash. If it is lower than V.1.4.0.0, upgrade the OS Firmware via this package.

**[UA-5200 Series]** Follow the steps below to check if to upgrade via this OS Firmware package.

### (1) Check the casing mark to confirm if it is the UA-5200 8GB eMMC Flash hardware version.



Check if the front casing of the UA-5200 series with the mark “Rev B”?

If there is, its Hardware version is 8GB eMMC Flash, firmware version 1.4.0.0 or later.

=> Firmware can be updated directly

### (2) If there is no mark, check the UI Webpage to see the firmware and Flash information.

After entering the UA series UI webpage, click **【System Setting】**. Check the [Flash Information] in [Version Information].

Firmware Version	Version 1.4.0.5
Main Program	Version 1.1.73
Web Interface	Version : 6.8.0 Date : 2022/05/18
Install Information	2022/06/23-11:14:55_WebUpdate_InstallSuccess
Flash Information	NAND Flash

**If the [Flash Information] is NAND Flash (512MB), you can upgrade this OS and Firmware to the v1.4.0.0 or later version by this burning package.**

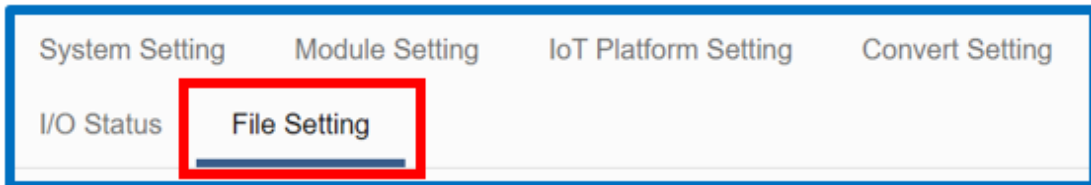
Classification	UA-Series English FAQ-Upd-007						
Author	Eva Li	Version	1.0	Date	2026,05	Page	3 / 9

### 3. How to Update Firmware by Re-burning the OS?

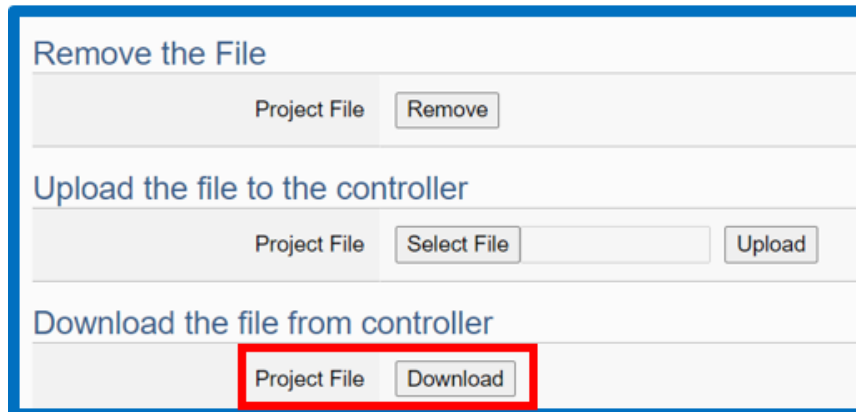
This method needs to update the bottom layer OS. If there is a project in the UA-2200 or UA-5200 controller, please **backup and save the project before re-burning the OS**.

#### 3.1. How to Back-up the Project File?

After logging in the UA web UI, click the 【File Setting】 function.



Click the 【Download】 button as below, and save the project file to the folder you want.



Classification	UA-Series English FAQ-Upd-007						
Author	Eva Li	Version	1.0	Date	2026,05	Page	4 / 9

### 3.2. How to Create a USB burner

(1) Download the UA-5200/2200 series “.imgc” image file from the following website:

<https://www.icpdas.com/en/faq/index.php?kind=326#926>

After extraction, the filename will be “**UA-XXXX-512MB-System-Update-USB.imgc**”.

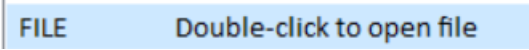
(2) Download the software **HDD-Raw-Copy-Tool** (Legacy v1 is recommended) from the following:

<https://hddguru.com/software/HDD-Raw-Copy-Tool/>

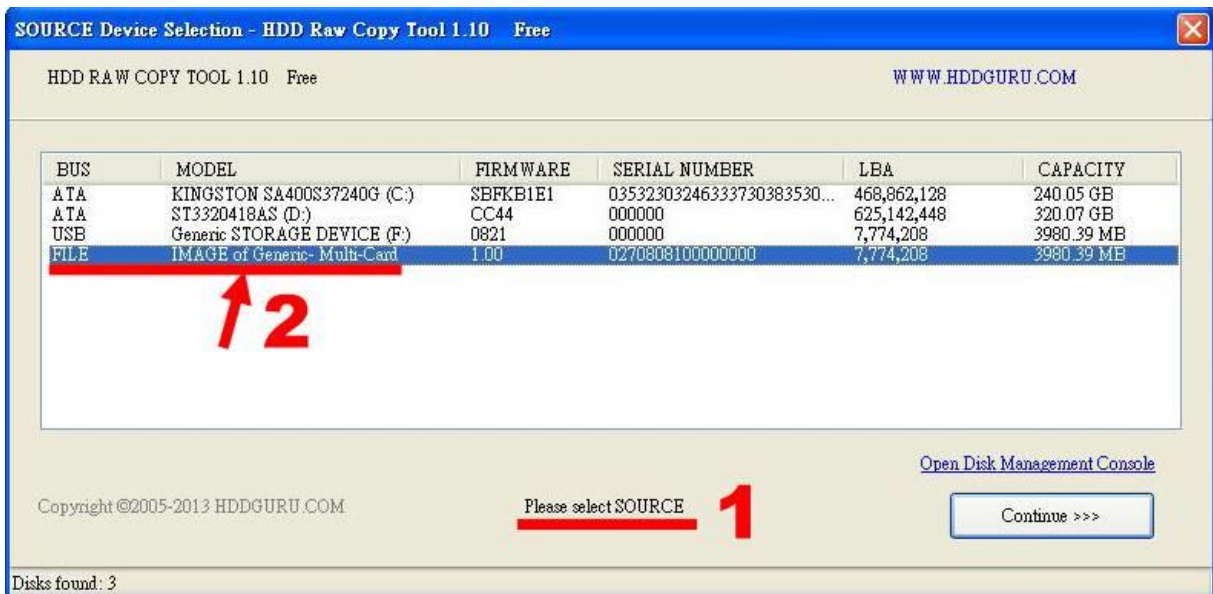
(3) Insert a USB drive into your PC (USB capacity must be 8 GB or larger).



HDDRawCopy1.10Portable

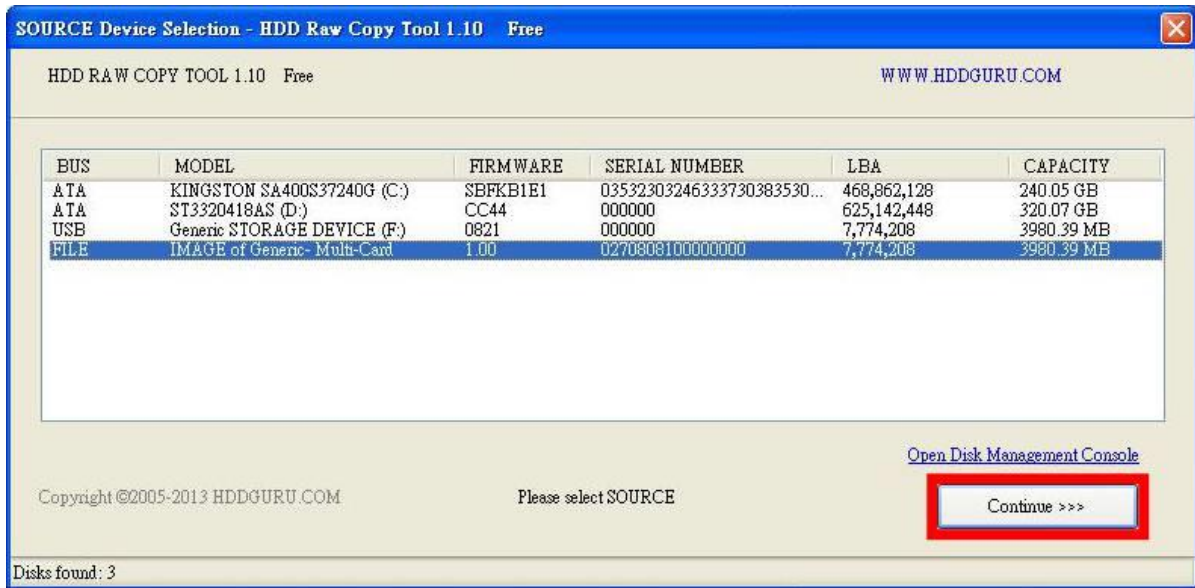
- Launch the burning software
- Check the messages that appear at the bottom of the software. **Please select SOURCE**
- Double click “FILE” (the last option) 
- Select the file to burn (select the “.imgc” file you just decompressed) and open it.

See the image below for the operation.



Classification	UA-Series English FAQ-Upd-007						
Author	Eva Li	Version	1.0	Date	2026,05	Page	5 / 9

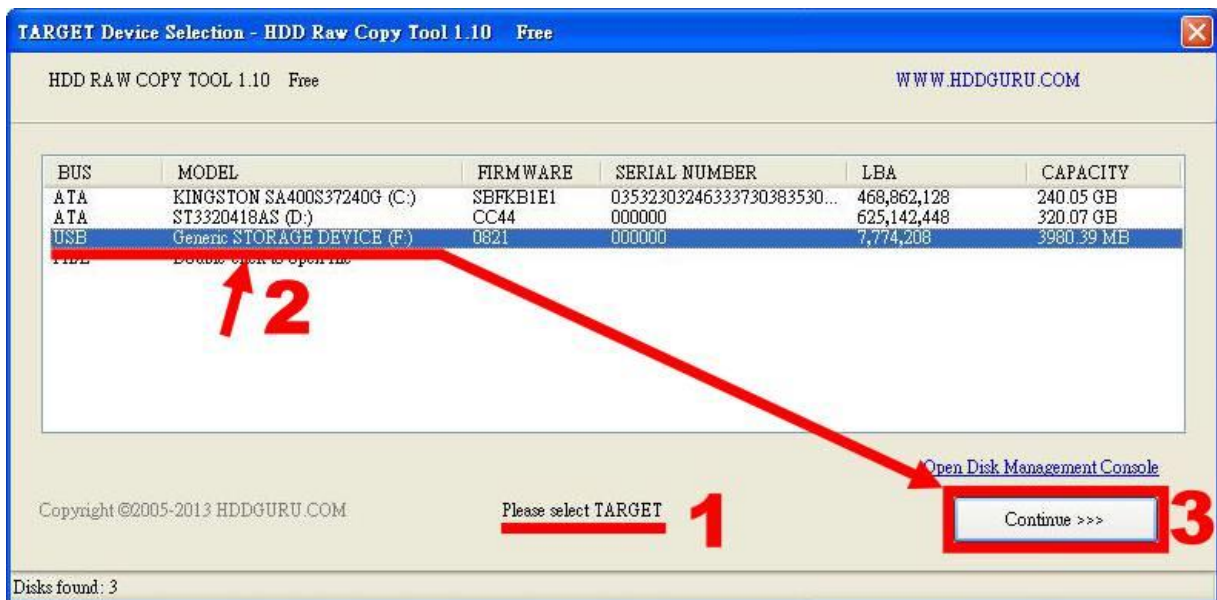
- Click “Continue”



(4) Select the burning device

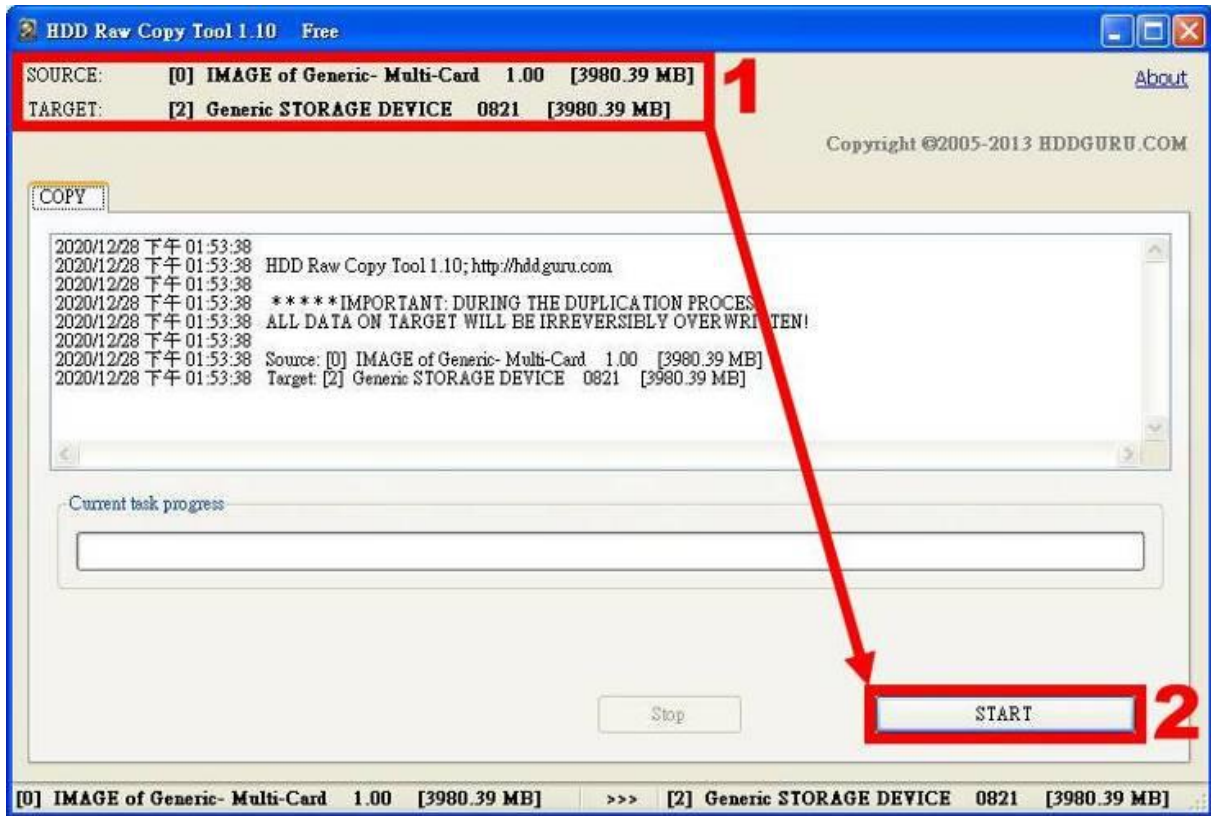
- Check the messages that appear at the bottom of the software. Please select TARGET
- Select “USB” **USB Generic STORAGE DEVICE (F:)**
- Click “Continue”

See the image below for the operation.



Classification	UA-Series English FAQ-Upd-007						
Author	Eva Li	Version	1.0	Date	2026,05	Page	6 / 9

(5) Confirm the burning settings

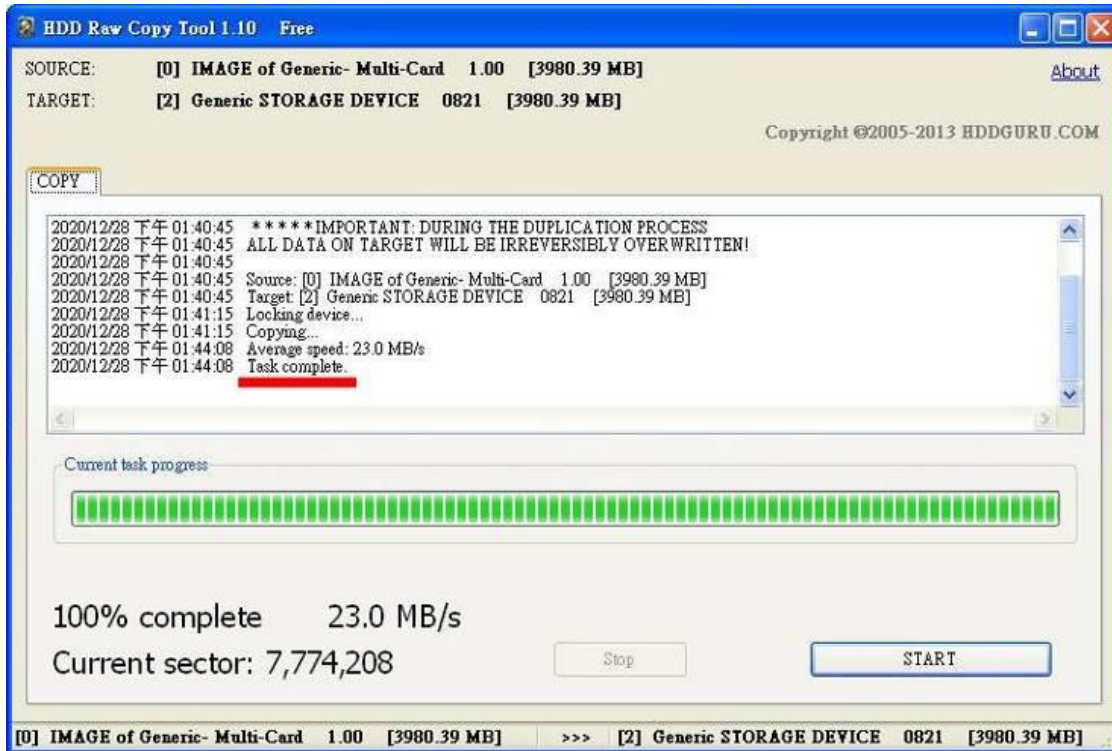


- Box 1: SOURCE is the file size to be burned; TARGET is the burning destination and file size.
- After confirming everything is correct, click “START”.
- Click “Yes”.

Classification	UA-Series English FAQ-Upd-007						
Author	Eva Li	Version	1.0	Date	2026,05	Page	7 / 9

## (6) Burning complete

The appearance of the "Task complete" message indicates completion.



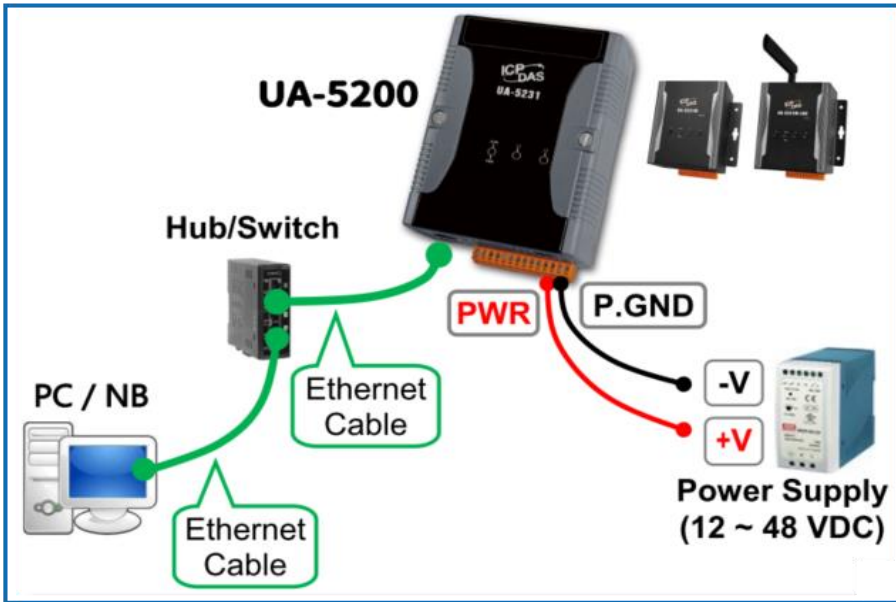
### 3.3. How to burn the OS into the UA product

- (1) After powering off the UA product, insert the USB into the UA product.
- (2) Turn the Rotary Switch on the front of the product to "9" (as shown in the picture below).



- (3) The UA series is equipped with a standard RJ-45 network interface. Use the UA's LAN1 to connect to a network hub/switch (as shown in the picture below).

Classification	UA-Series English FAQ-Upd-007						
Author	Eva Li	Version	1.0	Date	2026,05	Page	8 / 9



(4) Power on the UA product again.

After powering on, it enters the burning stages, as shown in the table below:

Stage	Description	Buzzer	L1 LED	L2 LED
Stage1	Start updating	One long beep	Green light flashing	—
Stage2	Updating	—	—	Green light flashing
Stage3	Updating	—	Green light flashing	Green light flashing
Complete	Updating complete	One long beep per second	Off	Off

→ Wait 1 minute. **(Warning: Do not disconnect the power during the burning process, otherwise the update will fail)**

→ L1 green light flashing and emits one long beep.

→ Wait approximately 7 minutes.

→ L1 and L2 lights going off and continuously emitting long beeps indicates successful burning.

→ After powering off the UA product, unplug the USB from the UA product.

→ Turn the Rotary Switch on the front of the UA to "0". (as shown in the picture below)



→ Reconnect the power to complete the OS burning process.

→ It is recommended to use DiskGenius software on a computer to restore the USB drive.

Classification	UA-Series English FAQ-Upd-007							
Author	Eva Li	Version	1.0	Date	2026,05	Page	9 / 9	

### 3.4. How to know the UA-2241 or UA-5231 IP address after the OS burning?

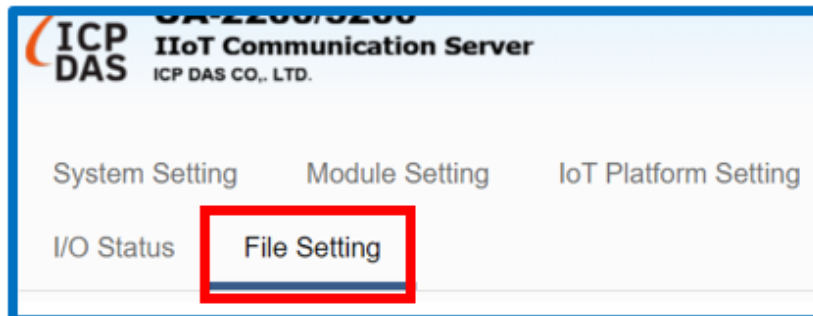
After burning, Default IP is 192.168.255.1

Default webpage Account: root

Default webpage Password: root

### 3.5. How to Restore the Backup Project File?

After logging in to the UA-2200/5200 UI webpage, click the 【File Setting】 function.



Click 【Select File】 , select the previously backed up project file, and click 【Upload】 .

