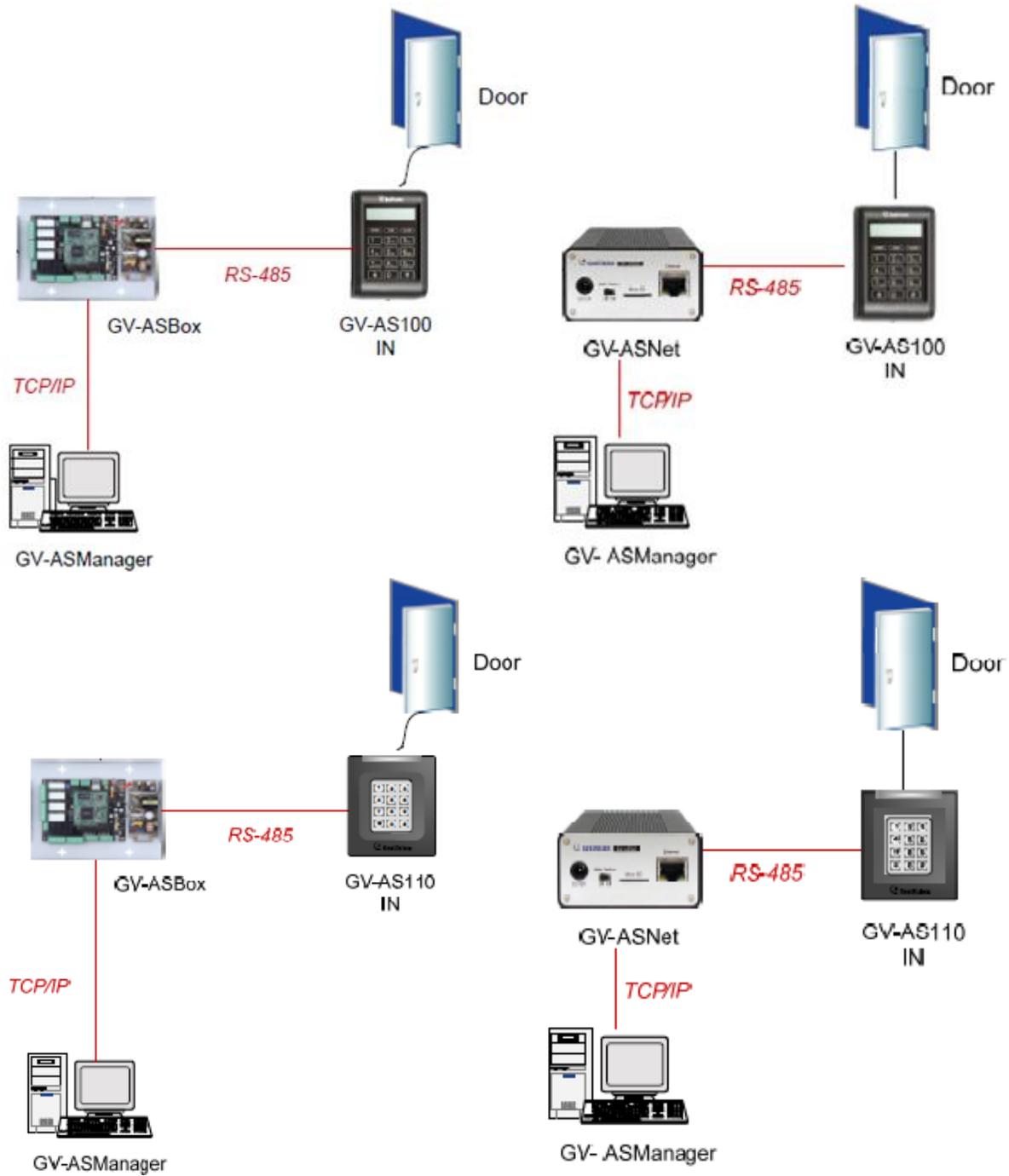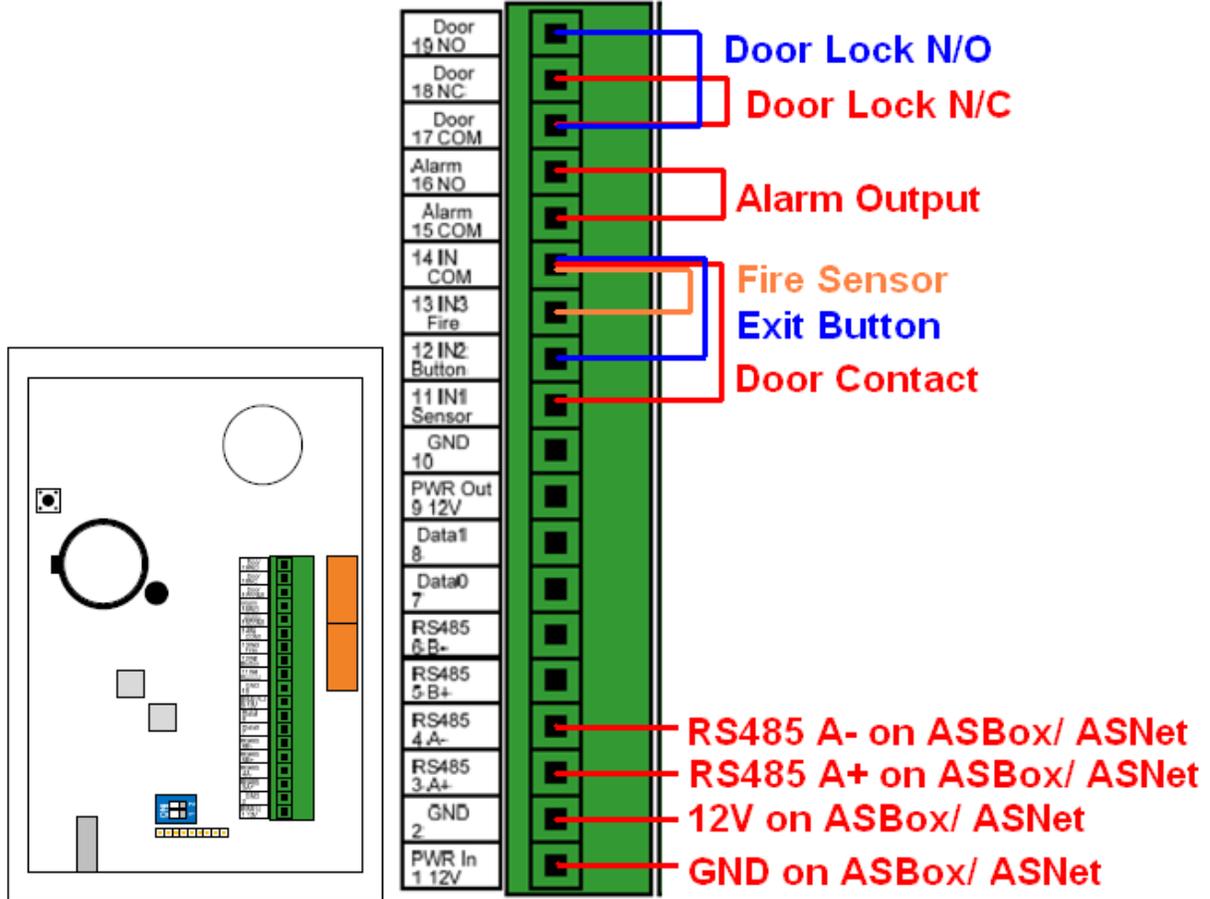# 5.4 AS100/AS110

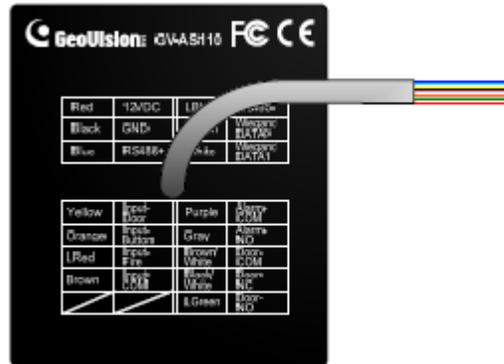## 5.4.1 Connection Diagram

5.4.2 AS100 Connection

Pin	Function	Pin	Function	Pin	Function
1	12V Power	9	12V Power Supply	17	Door COM
2	GND	10	GND	18	Door NC
3	RS-485 A+ for ASBox / ASNet or PC connection	11	Sensor IN1	19	Door NO
4	RS-485 A-for ASBox / ASNet or PC connection	12	Button IN2		
5	RS-485 B+ for GV-Reader connection	13	Fire IN3		
6	RS-485 B- for GV-Reader connection	14	IN COM		
7	Wiegand Data 0	15	Alarm COM		
8	Wiegand Data 1	16	Alarm NO		

✓ For detail instruction, refer to p.5 of ASController Installation Guide
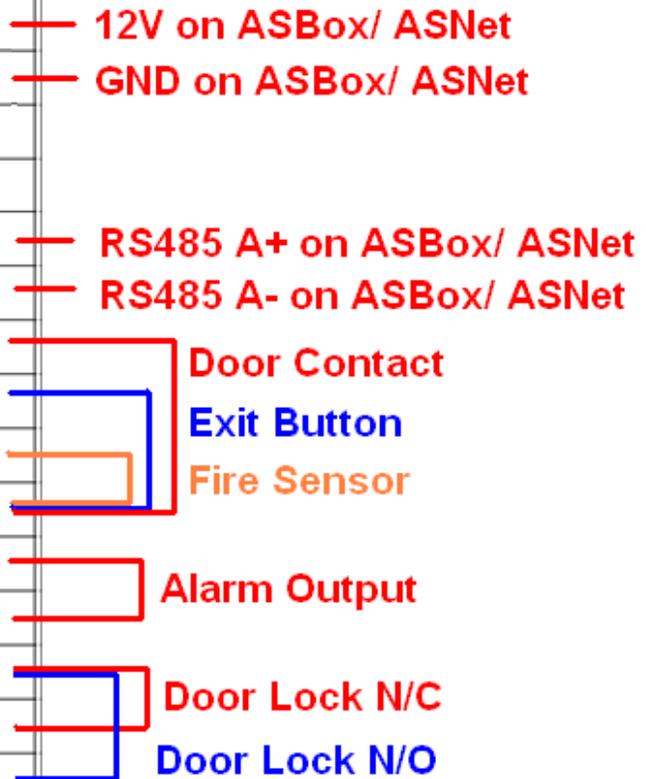
5.4.3 AS110 Connection


Front View   Rear View

Wire color	Definition
Red	12V	— 12V on ASBox/ ASNet
Black	GND	— GND on ASBox/ ASNet
Green	Wiegand Data 0	
White	Wiegand Date 1	
Blue	RS485+	— RS485 A+ on ASBox/ ASNet
Light Blue	RS485-	— RS485 A- on ASBox/ ASNet
Yellow	Door Sensor IN1	Door Contact
Orange	Button IN2	Exit Button
Pink	Fire Sensor IN3	Fire Sensor
Brown	IN COM (GND)	
Purple	Alarm COM	Alarm Output
Gray	Alarm NO	
Brown White	Door COM	Door Lock N/C
Black White	Door NC	
Light Green	Door NO	Door Lock N/O

✓ For detail instruction, refer to p.25 of ASController Installation Guide

5.4.4 ASBox Connection

ASBox	1 (A-)	2 (A+)	3 (12V)	4 (GND)
AS100	Pin4	Pin3	Pin2	Pin1
AS110	Light blue	Blue	Red	Black
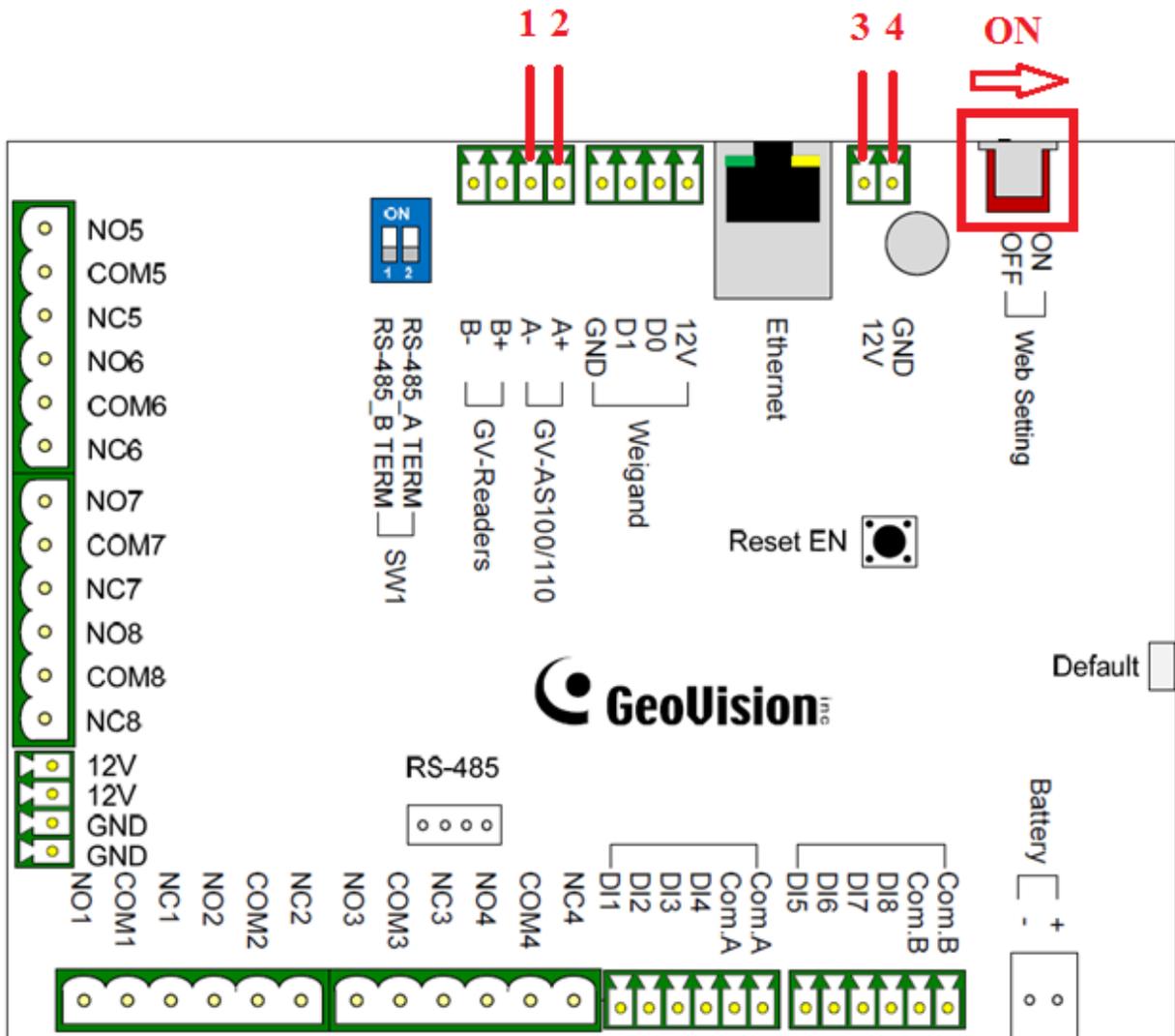
✓ For detail instruction, refer to p.85 of ASController Installation Guide

5.4.5 Create Master Card

AS100

To create a Master Card:

1. Power on the unit. The LCD displays **Enter Master Card**.

2. Present a card to be the Master Card. The LCD displays **Master PIN Code: 1234**.

3. Keep the default PIN code as 1234, and press #. The LCD displays **Succeed**.

   Alternatively, you can press any four digits on the keypad to change the default value. The double confirmation of the new PIN code is required. After this, the LCD should display the message of success.

After the Master Card is created, GV-AS100 will run a self test and display the message "Master Memory Test". After it is finished, you can see the message of GV-AS100 online or offline followed by a date and time. Then you can start programming GV-AS100.

AS110

After powering on GV-AS110, you must create two Master Cards first, an Enroll Card and a Delete Card. The Enroll Card is used for adding new cards and the Delete Card is used for deleting cards. Either Master Card will allow you to program the various configurations on GV-AS110.

Note: The card complying with ISO 14443A standard for smart card technology can be formatted as an Enroll Card or Delete Card.

To create the Master Cards:

1. Power on the unit. The LED flashes blue.

2. Present a card to be the Enroll Card.

3. Present a card to be the Delete Card.

4. The GV-AS110 will automatically load default, and the LED will flash blue and yellow. After 1 to 2 minutes, the LED should be a constant blue light to indicate READY.

5.4.6 Web Configuration

✓ For standalone AS100/AS110 configuration, refer to page 11 of ASController Installation Guide.

1. Open Internet Explorer, type in default IP address for ASBox/ASNet http://192.168.0.100.
2. Enter default User Name: **admin** Password: **admin** then click "**OK**".
3. Change the **IP address**, **Subnet Mask**, **Default Gateway**, and **Domain Name Server** as necessary to match actual network properties.

4. Click "**Submit**".
5. Select "**Function Setting**" under Advance Setting.
6. Enter "**1**" in the ID box

   ✓ *For multiple controllers, increase ID number accordingly*

7. Click "**Submit**".

✓ For customize door functions and authentication modes, refer to p.105 of ASController Installation Guide

8. Select "**In/Out Function**" under Advance Setting.
9. Configure **Input Function** and **Output Function** accordingly if necessary.

✓ For Input/Output Function definition, refer to p.114 of ASController Installation Guide
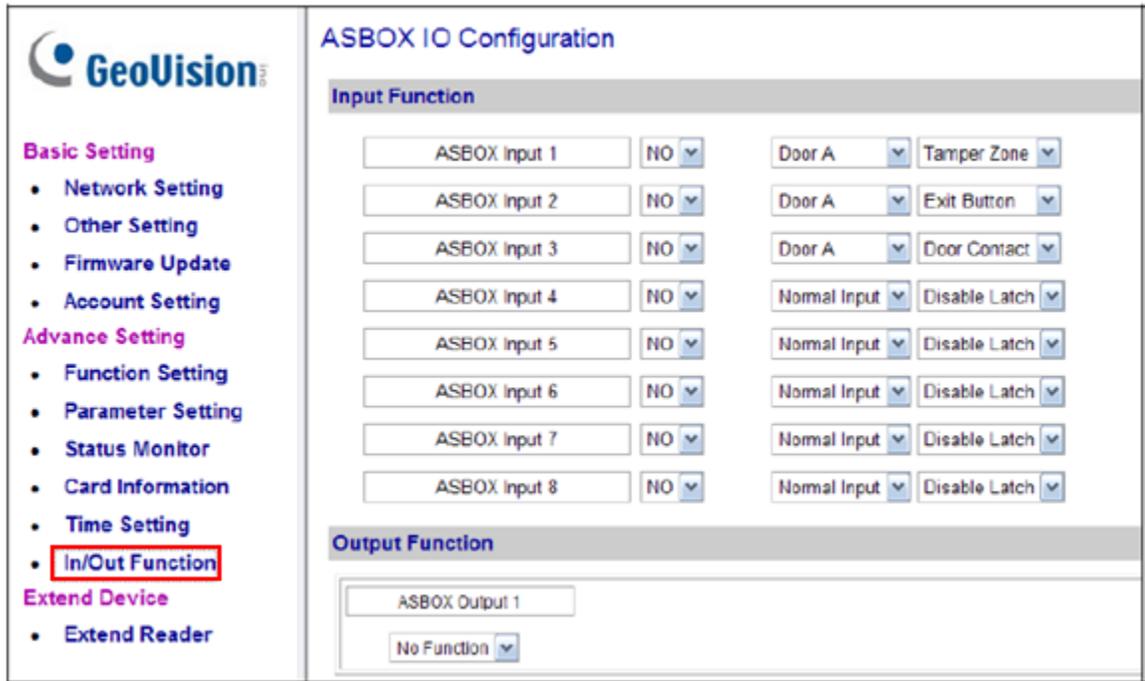
10. Select "**Status Monitor**" under Advance Setting.
11. Verify input and output statuses of door contact, button, lock, as well as any connected I/O device to make sure NO/NC settings are correct.

✓ For detail instruction, refer to p.99 of ASController Installation Guide

5.4.7 Firmware Upgrade

1. Select "**Firmware Update**" under Basic Setting.
2. Click "**Browse**" then locate the new ASBox or AS100/AS110 firmware.
3. Click "**Upload**".
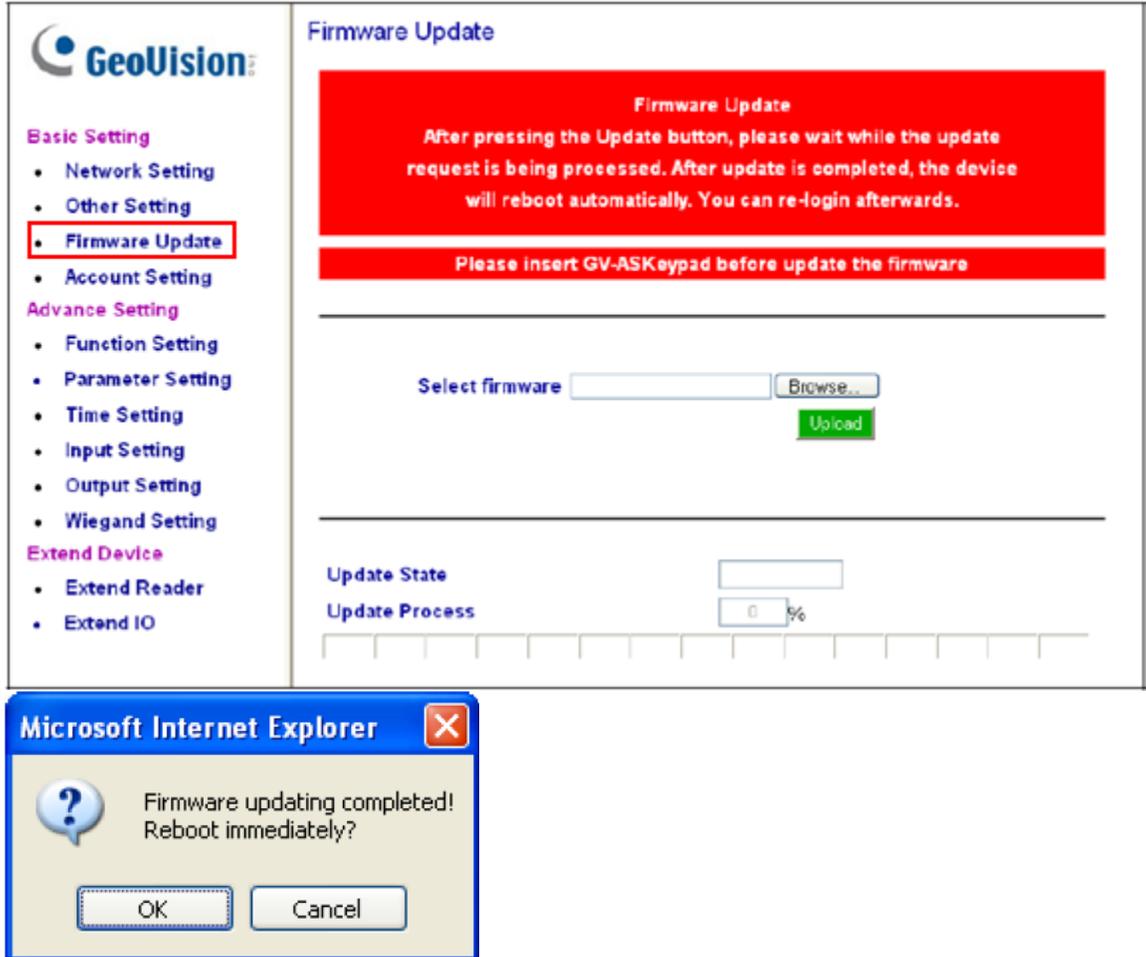
4. After firmware update, click "**OK**" to reboot AS100/110.

✓ For detail instruction, refer to p.101 of ASController Installation Guide

5.4.8 Restore Default Settings

1. Press the code ∗737 (∗RES).
2. Present the Master Card and enter PIN Code.

   The LCD displays **Default Setting 1. Yes? 2. No?.**
3. Press 1. The LCD displays **Default Setting Memory Test...**
4. When the unit returns to factory defaults, the LCD displays **Enter Master Card.**