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	\backslash	
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 Wiegand Data 0 Green White Wiegand Date 1 RS485 A+ on ASBox/ ASNet Blue RS485+ 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 Alarm NO Gray Brown White Door COM Door Lock N/C Black White Door NC Door Lock N/O Light Green Door NO

✓ 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.
- 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 <u>http://192.168.0.100</u>.
- 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.

Geollision	Network Configuration					
	Machine Name					
Basic Setting Network Setting 	Machine Name DHCP Client:	AS				
Other Setting Firmware Update Account Setting	○ Enable Isable					
Advance Setting Function Setting 	IP Address:	192	168	. 0	. 21	
Parameter SettingTime Setting	Subnet Mask: Default Gateway:	255 192	255 168	0	0	
Input SettingOutput SettingWiegand Setting	Domain Name Server: Domain Name Service:		168	0	. 1	

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

✓ For multiple controllers, increase ID number accordingly

(Coollision	AS100/AS110 Function Configuration			
GeoUision	ID			
Basic Setting	ID			
Network Setting	ASBox Wiegand			
Other Setting Firmware Update	ASBox Wiegand	Door/Gate B		
Account Setting	Door/Gate A			
Advance Setting	Function	Door Entry Control		
Parameter Setting	Authentication Mode	Authentication Schedule Mode		
Status Monitor Door/Gate B				
Card Information Time Setting	Function Authentication Mode	Door Entry Control		

7.	Click	"Subn	nit".

- ✓ 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

Geollision	ASBOX IO Configuration					
- OCOVISION:	Input Function					
Basic Setting	ASBOX input 1 NO M	Door A 📉 Tamper Zone 💌				
Network Setting	ASBOX input 2 NO	Door A 📉 Exit Button 💌				
Other Setting Firmware Update	ASBOX input 3 NO	Door A 🛛 🖌 Door Contact 👻				
Account Setting	ASBOX input 4 NO	Normal Input 💙 Disable Latch 🌱				
Advance Setting	ASBOX Input 5 NO	Normal Input 🔽 Disable Latch 🔽				
Function Setting	ASBOX Input 6 NO	Normal Input 🔽 Disable Latch 🗹				
Status Monitor	ASBOX Input 7 NO	Normal Input 🔽 Disable Latch 🖌				
Card Information	ASBOX Input 8 NO	Normal Input 🖌 Disable Latch 🖌				
Time Setting In/Out Function	Output Function					
Extend Device	ASBOX Output 1					
Extend Reader	No Function					

- 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.

(Control Mode		Memory Status		
	Door	Local Unlock Mode	Used / Capacity	36 / 65535	
	Door Contact A		Events		
Basic Setting	AS100 Input 1	OFF	Alarm	Tamper	
Network Setting	Exit Button A AS100 Input 2		Forced Open Duress	FireAlarm	
Other Catting				Held Open	
Other Setting	Fire Zone A		Electric Lock A		
Firmware Update	ASBOX Input 3 OFF AS100 Input 3 OFF		ASBOX Output 1		
Account Setting			General Alarm A		
dvance Setting	Tamper Zone A		ASBOX Output 3		
Function Setting	ASBOX Input 4		Lighting		
Parameter Setting	AS100 Input 4 OFF		ASBOX Output 5		
Status Monitor	Status Monitor Normal Input		Normal Output		
Card Information	ASBOX Input 1	OFF	ASBOX Output 6		
Time Setting	ASBOX Input 2		Normal Output		
In/Out Function	ASBOX Input 5	OFF	ASBOX Output 7	0	
	ASBOX Input 6	OFE	Normal Output		
	ASBOX Input 7	OFF	ASBOX Output 8	0-	
	ASBOX Input 8	OFF	Hanow output a	×.	

✓ 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".

	Firmware Update				
Basic Setting Network Setting Other Setting Firmware Update Account Setting 	Firmware Update After pressing the Update button, please wait while the update request is being processed. After update is completed, the device will reboot automatically. You can re-login afterwards. Please insert GV-ASKeypad before update the firmware				
Advance Setting Function Setting Parameter Setting Time Setting Input Setting Output Setting 	Select firmware Browse				
Extend Device Extend Reader Extend IO	Update State Update Process				
Microsoft Internet E	xplorer X ating completed! liately? Cancel				

- 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.