

Quick Start Guide *GV-AS / EV Controller*



ASEV-QG-D



© 2015 GeoVision, Inc. All rights reserved.

Under the copyright laws, this manual may not be copied, in whole or in part, without the written consent of GeoVision.

Every effort has been made to ensure that the information in this manual is accurate. GeoVision, Inc. makes no expressed or implied warranty of any kind and assumes no responsibility for errors or omissions. No liability is assumed for incidental or consequential damages arising from the use of the information or products contained herein. Features and specifications are subject to change without notice.

Note: No memory card slot or local storage function for Argentina.

GeoVision, Inc. 9F, No. 246, Sec. 1, Neihu Rd., Neihu District, Taipei, Taiwan Tel: +886-2-8797-8377 Fax: +886-2-8797-8335 http://www.geovision.com.tw

Trademarks used in this manual: *GeoVision*, the *GeoVision* logo and GV series products are trademarks of GeoVision, Inc. *Windows* and *Windows XP* are registered trademarks of Microsoft Corporation.

April 2015

Contents

Contents
Important Note for Maintaining Power Supplyi
GV-AS Controller Quick Start Guide 1
1. Basic Setup for GV-AS100 / 1010 / 110 / 1110 / 120 1
1.1 GV-AS100 / 1010
1.2 GV-AS110 / 1110
1.3 GV-AS120
2. Physical Wiring for GV-AS210 / 2110 / 410 / 4110 / 810 / 8110 and GV-EV48
2.1 GV-AS210 / 2110 5
2.2 GV-AS410 / 4110 / 810 / 81106
2.3 GV-EV48
3. Accessing the Web Interface of the GV-AS Controllers
4. Setting GV-AS Controller on GV-ASManager
5. Optional Devices for GV-AS100 / 110 / 12010
5.1 Physical Wiring of GV-ASBox and GV-ASNet11
5.2 Accessing the Web Interface of GV-AS100 / 110 / 12012



Important Note for Maintaining Power Supply

To make sure GV-AS / EV Controllers can function properly during a power outage, be sure to replace the internal battery on the controllers when needed. It is also recommended to install a backup battery for compatible GV-AS Controllers.

Refer to the following sections in *GV-AS Controller User Manual* for instructions on how to install a backup battery:

- GV-AS100 / 110 / 120 through GV-ASBox: See 9.1.4.F Connecting Backup Battery.
- GV-AS100 / 110 / 120 through GV-ASNet: See 9.2.4.F Connecting Backup Battery.
- GV-AS210 / 2110: See 4.2.4 Connecting Backup Battery
- GV-AS410 / 4110 / 810 / 8110: See 5.2.4 Connecting Backup Battery
- GV-EV48: See 6.2.3 Connecting Backup Battery.

Replaceable Button Cell (GV-AS100 / 2110 / 4110 / 8110)

For GV-AS100 / 2110 / 4110 / 8110, you can replace the battery on your own when you see low battery messages and icons in GV-ASManager.

🗐 ASManager - [Event Monito	or]					
1 File Monitoring View	v Setup Personnel Langu	age Tools Window	Help			- 8 ×
a a 🖗 🖗 🖶 🖝	99888	🔜 📾 🧐 🔞				
Controllers						д×
16x16 -						
Controller	Status A	Alarm Forced Ope	n Duress Ta	mper Fire Alarm	Held Open Tailgating	Urgent Code
2: Door 2	Card Mode					•
3: Door 3	Card Mode					
4: Door 4	Card Mode					
✓ ▲ AS400	Card Mode					=
1: Door 1 2: Door 2	Card Mode					
3: Door 3	Card Mode					
		1	₫Þ×	Info		д X
Construction of the second	s Monitor	I	1	1110		+ ^
Y & 4					-	-
Message	Door	Local Time	*	Low Bat	tery	
0 Reset	Door 2	3/18/2014 4:38:55 PM				
0 Reset	Door 3	3/18/2014 4:38:55 PM		Door:	AS400	
Reset	Door 4	3/18/2014 4:38:55 PM		Local Time:	3/18/2014 4:33	8:56 PM
Low Battery	AS400	3/18/2014 4:38:55 PM				
Reset	Door 1	3/18/2014 4:38:56 PM				
Reset	Door 4	3/18/2014 4:38:56 PM				
Low Battery	AS400	3/18/2014 4:38:56 PM				
Lists				۱ ۲		
Ready			Operator: 1			39 PM

Note: Make sure the plastic insulation film under the battery is removed when using GV-AS100 / 2110 / 4110 / 8110 for the first time. The low battery messages and icons will appear if the plastic film is not removed.

Built-in Battery (GV-AS1010 / 110 / 1110 / 120 / 210 / 410 / 810 & GV-EV48)

When the controller runs out of battery, the local time on the controller will be reverted back to 1999/12/31. The controller time can be found on the Web interface of the controller on the Time Setting page and in the Access Monitor / Alarm Monitor / Event Monitor of GV-ASManager.

	Time Configuration				
	System Local Time				
Basic Setting Network Setting 	Local Time 2014/04/2 Time Zone +8:00	5 15:42:11			
Other Setting					
Firmware Update	Local Time				
Account Setting					
Advanced Setting	Oisable				
Function Setting	◯ Setup				
Parameter Part1		Hour Min			
Parameter Part2	TimeZone	0 🗸 0 🗸			
 Time Setting 	Date	Year Month Date			
Input Setting	Dute	2009 V January V 1 V			

When you see the controller year shown as 1999 or 2000, disconnect the controller from power and reconnect it to power. If the year is still shown as 1999 or 2000, the controller battery needs to be replaced. When this occurs, connect the controller to a backup battery and maintain connection with GV-ASManager at all times. When connected to GV-ASManager, the controller's time will be synchronized with GV-ASManager's time.

GV-AS Controller Quick Start Guide

This guide lists the basic steps required to set up a GV-AS Controller. For detailed instructions, refer to the section number listed below each step.

1. Basic Setup for GV-AS100 / 1010 / 110 / 1110 / 120

This section covers the basic settings required to start running GV-AS100 / 1010 / 110 / 1110 / 120. For more settings on GV-AS100 / 110 / 120, refer to *5. Optional Devices for GV-AS100 / 110 / 120*. The section numbers listed here refers to the *GV-AS Controller User Manual*.



1.1 GV-AS100 / 1010

Connect card readers (Optional)

Connect AS100 / 1010 to a reader.

1.2.1 Connecting Card Readers

Connect input devices

Connect AS100 / 1010 to input devices (Ex: a push button to exit).

1.2.2 Connecting Input Devices

Connect output devices

Connect AS100 / 1010 to output devices (Ex: a door lock).

1.2.3 Connecting Output Devices

Connect to PC

Connect the controller to a computer through RS485 connection (AS100) or network connection (AS100 & AS1010).

1.2.4 Connecting the PC

Connect to Power

Connect AS100 / 1010 to power using the supplied adaptor.

1.2.5 Connecting the Power

Programming the GV-AS100 / 1010

Create a Master Card (AS100) or Enroll / Delete Card (AS1010) to add and delete cards. For other settings, use the built-in keypad to type the commands.

1.3 Programming Mode



GV-AS100



GV-AS1010

1.2 GV-AS110 / 1110

Connect card readers (Optional)

Connect AS110 / 1110 to a reader..

2.2.1 Connecting Card Readers

Connect input devices

Connect AS110 / 1110 to input devices (Ex: a push button to exit).

2.2.2 Connecting Input Devices

Connect output devices

Connect AS110 / 1110 to output devices (Ex: a door lock).

2.2.3 Connecting Output Devices

Connect to PC

Connect the controller to a computer through RS485 connection (AS110) or network connection (AS110 & AS1110).

2.2.4 Connecting the PC

Connect to Power

Connect AS110 / 1110 to power using the supplied adaptor.

2.2.5 Connecting the Power

Programming the GV-AS110 / 1110

Create an Enroll Card and a Delete Card to add and delete cards. For other settings, use the built-in keypad to type the commands.

2.3 Programming Mode



GV-AS110 / 1110



1.3 GV-AS120

Connect card readers (Optional) Connect AS120 to a reader through Wiegand interface.

3.2.1 Connecting a Wiegand Reader

Connect input devices

Connect AS120 to input devices (Ex: a push button to exit).

3.2.2 Connecting Input Devices

Connect output devices

Connect AS120 to output devices (Ex: a door lock).

3.2.3 Connecting Output Devices

Connect to PC

Connect AS120 to a computer through RS485 connection or network connection.

C DEOUISION	
	CONTRACT PROPERTY CONTRACTOR CONTRACTOR CONTRACTOR
Sceousion	
S ceouision	
Sceousion	
Greavision	
G CeoUision	
Sceousion	
S ceouision	
Sceovision	
Greavision	A STATE OF A
S ceouision	
Sceedusion	
Greevision	
ChoUision	States and the second se
Greavision	the second s
C coovision	and the second
Schouision	CONTRACTOR OF THE OWNER
Scenuision	
C coovision	
Greavision	
C DealUision	
Schouision	
S ceovision	
S ceouision	
Greevision	and the strength of an end of the second
S DeoVision	
Scenulsion	
C deaUlsion	
Sceousion	
C charulision	
C CooVision	
C GeoUlsion	CONTRACTOR SCORED REPORTED AND DURING
Schoulsion	
Greavision	
Greavision	
GleeoVision	
CicaoUision	
C . GeoUision	
	in the second second second
	A REAL PROPERTY AND A REAL
	and the second

GV-AS120

RS485 Connection

3.2.4.A RS-485 Connection

Network Connection

3.2.4.B Network Connection

Connect to Power

Connect AS120 to power using the supplied 12V DC adaptor.

3.2.5 Connecting the Power

Add and delete cards

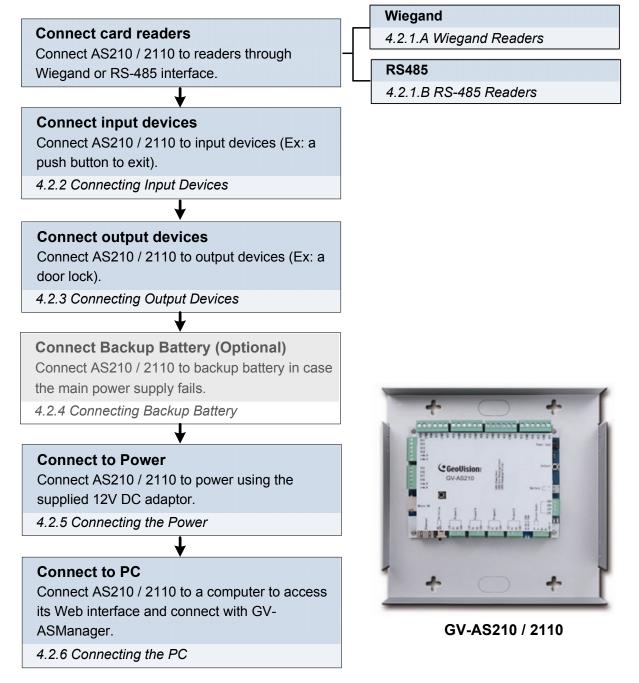
Create an Enroll Card and a Delete Card to add and delete cards.

3.3 Programming Mode

2. Physical Wiring for GV-AS210 / 2110 / 410 / 4110 / 810 /

8110 and GV-EV48

2.1 GV-AS210 / 2110





2.2 GV-AS410 / 4110 / 810 / 8110

Connect card readers

Connect AS410 / 4110 / 810 / 8110 to readers through Wiegand or RS-485 interface.

Connect input devices

Connect AS410 / 4110 / 810 / 8110 to input devices (Ex: a push button to exit).

5.2.2 Connecting Input Devices

Connect output devices

Connect AS410 / 4110 / 810 / 8110 to output devices (Ex: a door lock).

5.2.3 Connecting Output Devices

Connect Backup Battery (Optional)

Connect AS410 / 4110 / 810 / 8110 to backup

battery in case the main power supply fails.

5.2.4 Connecting Backup Battery

Connect to Power

Connect AS410 / 4110 / 810 / 8110 to power using the supplied 12V DC adaptor.

5.2.5 Connecting the Power

•

Connect to PC

Connect AS410 / 4110 / 810 / 8110 to a computer to access its Web interface and connect with GV-ASManager.

5.2.6 Connecting the PC

Wiegand

5.2.1.A Wiegand Readers

RS485

5.2.1.B RS-485 Readers



GV-AS410 / 4110 / 810 / 8110

2.3 GV-EV48

Connect card readers

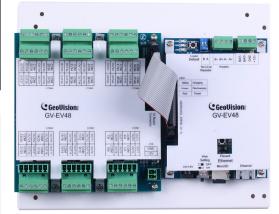
Connect EV48 to readers through RS-485 interface.

6.2.1 Connecting RS-485 Card Readers

Connect output relay

Connect EV48 output relays to the corresponding floor on the elevator control panel.

6.2.2 Connecting Output Relay



GV-EV48

Connect Backup Battery (Optional) Connect EV48 to backup battery in case the main power supply fails.

6.2.3 Connecting Backup Battery

Connect to Power

Connect EV48 to power using the supplied 12V DC adaptor.

6.2.4 Connecting the Power

Connect to PC

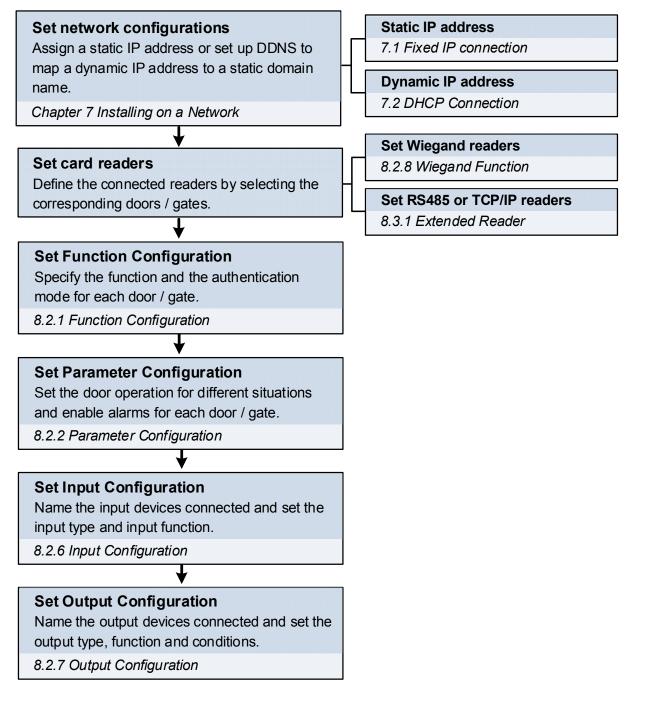
Connect EV48 to a computer to access its Web interface and connect with GV-ASManager.

6.2.5 Connecting the PC



3. Accessing the Web Interface of the GV-AS Controllers

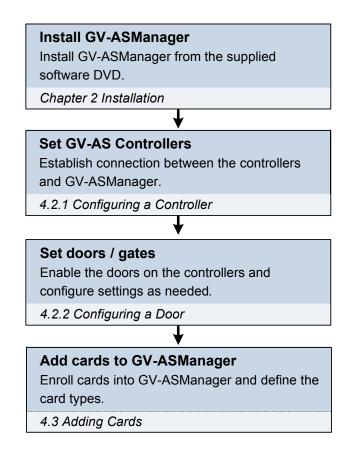
After connecting the required wires and cables for the following GV-AS Controllers, access the Web interface of the GV-AS Controller to define the devices connected: GV-AS1010 / 1110 / 210 / 2110 / 410 / 4110 / 810 / 8110 and GV-EV48. The section numbers listed here refers to the *GV-AS Controller User Manual*.



Note: The Wiegand Function and Output Settings pages are not available for GV-AS1010 / 1110 and GV-EV48. For GV-EV48, the Input Setting page is also not available.

4. Setting GV-AS Controller on GV-ASManager

After setting up the Web interface, connect the GV-AS Controller to a GV-ASManager. Through GV-ASManager, you can set up the doors and enroll cards. The section numbers listed here refers to the *GV-ASManager User Manual*.





5. Optional Devices for GV-AS100 / 110 / 120

To access GV-AS100 / 110 / 120 on a network, an optional device GV-ASBox or GV-ASNet is required. GV-ASBox also supports connection with additional input devices, output devices and readers through Wiegand interface and RS-485 interface. GV-ASNet supports additional readers through RS-485 connection.

You will need to first complete the physical wiring of GV-ASBox or GV-ASNet before accessing the Web interface. After the controller is installed on a network, GV-AS100 / 110 / 120 can also connect with GV-ASManager for advanced settings. Refer to *4. Setting GV-AS Controller on GV-ASManager* for details.

5.1 Physical Wiring of GV-ASBox and GV-ASNet

The section numbers listed here refers to the GV-AS Controller User Manual.

Physical Wiring of GV-ASBox

Connect GV-AS100 / 110 / 120

Connect GV-ASBox with GV-AS100 / 110 / 120. 9.1.4.A Connecting GV-AS100 / 110 / 120

Connect a Wiegand reader

GV-ASBox supports connection with one Wiegand reader.

9.1.4.B Connecting a Wiegand Reader

Connect readers through RS-485

Connect GV-ASBox with readers through RS-485 interface.

9.1.4.C Connecting GV-Readers and GV-GF Fingerprint Readers

Connect input devices

Connect GV-ASBox to input devices (Ex: a push button to exit).

9.1.4.D Connecting Input Devices

Connect output devices

Connect GV-ASBox to output devices (Ex: a door lock).

9.1.4.E Connecting Output Devices

Connect Backup Battery (Optional) Connect GV-ASBox to backup battery in case the main power supply fails.

9.1.4.F Connecting Backup Battery

Connect to Power

Connect GV-ASBox to power using the supplied 12V DC adaptor.

Connect to PC

Connect GV-ASBox to a computer to access its Web interface and connect with GV-ASManager.

Physical Wiring of GV-ASNet

Connect GV-AS100 / 110 / 120

Connect GV-ASNet with GV-AS100 / 110 / 120. 9.2.4.A Connecting GV-AS100 / 110 / 120

Connect readers through RS-485 Connect GV-ASNet with readers through RS-485 interface.

9.2.4.B Connecting GV-Readers and GV-GF Fingerprint Readers

Connect Backup Battery (Optional) Connect GV-ASNet to backup battery in case the main power supply fails.

9.2.4.C Connecting Backup Battery

Connect to Power

Connect GV-ASNet to power using the supplied 12V DC adaptor.

Connect to PC

Connect GV-ASNet to a computer to access its Web interface and connect with GV-ASManager.



5.2 Accessing the Web Interface of GV-AS100 / 110 / 120

The section numbers listed here refers to the GV-AS Controller User Manual.

