5.8 ASManager

5.8.1 Introduction

ASManager is the main access control software that stores the card and card holder database. The software also receives the status and events from each ASController (AS100/AS110, AS200, and AS400) for up to 255 controller connections. From ASManager, user may configure each door on each panel to operate according to certain schedule and input status.

- ASRemote is a remote application that connects to ASManager for remote control and viewing.
- ASWeb is a remote application that connects to ASManager for remote event log browsing.
- TA Web is a remote application that manages time and attendance of each employee.
- VM Web is a remote application that provides visitor management capability.

Basic ASManager can connect to one access controller without additional license. The ASManager USB key must be upgraded in order to accommodate more controllers (up to 255 controllers max). ASManager software can be installed from Access Control Installation Disk.

		· · · · · · · · · · · · · · · · · · ·							
OS	32-bit	Windows 2000 / XP / Server 2003 / Vista / 7 / Server 2008							
	64-bit	Windows Vista / 7 / Server 2008							
CPU		Pentium 4, 3.0 GHz with Hyper-Threading							
Memory		2 x 256 MB Dual Channels							
Hard [Disk	2.0 GB							
VGA		NVIDIA GeForce 7300 GT 128MB (PCI slot), or							
		ATI Radeon 9550 / 9600 / X1050 Series 256MB (AGP slot)							
		No support for onboard VGA							
Direct	x	End-User Runtimes (November 2008)							
Softwa	are	.NET Framework 3.5							
		SQL Server 2005 Express (optional)							
Brows	er	Internet Explorer 7.0 or later							
Note:	The softv	vare programs End-User Runtimes (November 2008) and .NET Framework							
3.0 are	e necessa	ary to run the GV-ASManager. The software programs can be found in the							
accon	panying	software CD.							

5.8.2 System Requirements

5.8.3 Main Features

- Control up to 255 GV-AS Controllers
- Up to 256 time zones and weekly schedules
- Up to 40,000 cards
- Up to 1,000 system users
- Holiday planning for 14 months
- Multiple cards per user
- Four (4) access mode options: Card only mode (default), Card and PIN Code mode, Card or Common mode, Release mode
- Enroll cards in batch mode
- Door alarms: door held open, door forced entry, tamper, access denied
- Duress operation
- Anti-Passback capabilities
- Man trap in double door configuration
- Import/export of card and cardholder data in Access or Excel file format
- User-defined matrix of 16-channel multi-views
- User-defined screen layout and dual monitor display support
- SMS or E-Mail notification with user-defined content, video snapshot and cardholder photo
- Video integration with GeoVision IP devices (GV-System, GV-NVR, GV-Video Server, GV-Compact DVR, GV-IP Camera) and third-party IP cameras
- Support Microsoft Access or SQL database

5.8.4 Software Installation

- 1. Insert "Access Control Installation Disk" into DVD-ROM.
- 2. In the menu, select "1. Install or Remove GeoVision GV-Series Driver", then select "Install GeoVision USB Devices Driver".

🜉 V2.3.0.0 Access Control Install pr	ogram
GeoUision	1. Install or Remove GeoVision GV-Series Driver
di denes briver.	2. Install DirectX 9.0c
 Click and install "3. In follow on-screen instru Click and install "4. In 2000)" then follow on- 	stall Microsoft .NET Framework 3.5 (Not compatible with Windows
V2.3.0.0 Access Control Install pr	
GeoUision	1. Install or Remove GeoVision GV-Series Driver
to your PC.	2. Install DirectX 9.0c
	3. Install Microsoft DirectX End-User runtimes (November 2008)
	4. Install Microsoft .NET Framework 3.5 (Not compatible with Windows 2000)
	5. Install Microsoft Data Access Components (MDAC) 2.8 SP1 (Only for Windows 2000)
	6. Install GeoVision V2.3.0.0 Access Control System
	7. Browse User's Manual (PDF Format)

7. Select "GeoVision Access Control System" then follow on-screen instructions to disable UAC and install ASManager software.



5.8.5 Initialize Database

- 1. On Windows desktop, click on "Start", "All Programs", "Access Control", "ASManager".
- 2. If ASManager is installed for the first time, create a default set of **ID**, **Password**, Password Confirmation, and Hint.
- ✓ Check "Auto Login" to allow ASManager to automatically login using the default set of ID and password whenever ASManager starts.
- ✓ Check "Allowing removing password system" to enable PassUninstall.exe in case user may lose the supervisor ID and password to the system.
 - ✓ *If the option was not checked and* user cannot retrieve his/her supervisor ID and password, the only option to remove password database would be to reformat system hard

drive and reinstall Windows operating system.

- 3. Click "OK" to proceed.
- 4. Click "Yes" to setup or upgrade database.
- 5. Select "ASManager Database Setting" icon.



First Execution of Access System

6.	Select "Setup	MDB / MSSQ	L Database for	· ASManager".
.	Server Server			

🗟 ASManager Database Setting	Setup Database Connection
Setup MDB / MSSQL Database for ASManager	Database Type
Upgrade to latest database version ASManager Database version incompatible. Please upgrade it first.	O Microsoft SQL Server SQL Database Setting Data Source:
✓ To upgrade a previous ASManager version, select "Upgrade to latest database version"	Authentication: (Windows Authentication SQL Server Authentication
 Select "Microsoft Office Access Database". Click "OK". 	Password:
 Click "OK" when setup database connection successfully message comes up. 	ASConfig Name: ASConfig ASLog Name: ASLog
Setup Database Connection	Test connection OK Cancel

10. Select "Upgrade to latest database version".



- 11. Click "**OK**" when upgrade database successfully message comes up.
- 12. Click "Exit".





13. Select "**Re-login**" to start ASManager.

t Database Tools : I do you use for database?	
ASManager Database Setting : Setup, upgrade, deletion, backup and recovery.	
Settings from Source to ASManager Database : Set the connection of Source Database, the mappi betweem Source and ASManager database, the a manual update request.	
betweem Source and ASManager database, the a	auto-update request, and

- ✓ Alternatively, ASManager can be started by going "Start", "All Programs", "Access Control", "ASManager".
- ✓ For detail instruction, refer to p.IV of ASManager User Manual

5.8.6 Controller Setup

1. Under ASManager, select "Devices".



2. Click "Add" under Controller List.

2.	Chek Add under Controller L				
	Controller List				
	a				
	Controller	О Туре	Gate A	Gate B	Gate C G
3.	Enter Controller ID .		Please En	ter ID	
	 ✓ For AS100/110 ID, refe ✓ For AS400 ID, refer to 	section 5.5.7	ID: Name:	1 Controller 1	
~	By default, ASController has ID) of 1.			ОК
4.	Name the controller, if necessar	ry; then select	Туре	GV-AS400	Cancel
5	controller Model . Click " OK ".			GV-AS100 GV-AS110	
5. 6.	Under General Setup tab, defir	ne time zone.		GV-AS200 GV-AS400	
	-				
	Controller Setup				$\mathbf{\times}$
	General Setup Gate A Gate B	Gate C Gate D			
	General	10			
	Controller Name :	Controller 1			
	Controller ID :	1			
	Interlock :	DoorA - DoorB			
		DoorC - DoorD			
	GMT :	08 💌 :	00 💌		
	Enable Daylight Saving	Setup			
	Connection				
	O COM Port:	COM 1	*		
	Network :	TCP/IP	~		
	IP :	192.168.0.100			
	Port:	4000			
	User:	admin			
	Password :	••••			
	Crypto Key :	•••••			

- 7. Select "**COM Port**" if ASController is connected via RS485. Otherwise, select "**Network**" for Ethernet connection.
- 8. Enter the IP address, Port, User ID, Password, and Crypto Key of ASController.
- ✓ By default, ASController has IP of **192.168.0.100**.
- ✓ By default, ASController has Port of **4000**.
- ✓ By default, ASController has **User ID** and **Password** of **admin** and **admin**.
- ✓ By default, ASController has Crypto Key of **12345678**.
- 9. Under Gate A tab, name the door if necessary; then define a password for the door.
 - ✓ Door password is valid under "Card or Common Mode" only

Controller Setup	
General Setup Gate A Gate B Gate C	Gate D
General Set Door Info Name: Password : Lock Reset Time : Held Open Time :	Gate A •••• 4~8 digits(0~9) 5 Sec(1~255) 5 (Handicap Card) 10 Sec(5~9999)
Fire Action Local Anti-Passback GeoFinger Time Clock Authentication Schedule	10 (Handicap Card) Unchange Globe Anti-Passback Two-Person Rule Entrance Exit
Alarm Event Held Open Forced Open Tamper Fire Alarm Access Denied Alarm Continuous Time : 5 Sec(1~10)	Camera Mapping Set Camera Mapping First Camera: Second Camera :

- 10. Set Lock Reset Time to designate door unlock period.
- 11. Set Held Open Time to designate grace time period before Held open alarm is triggered.

- 12. If GV-Fingerprint Reader is installed to open this door, check "GeoFinger" option.
- 13. Select **Authentication Schedule** and designate the door operation schedule by selecting the corresponding color and drag over desired time period.
 - ✓ Check "Release By Card" to activate Release Mode by a card. Otherwise door will unlock at the designated time schedule automatically



- 14. Click "**OK**" to return to Controller Setup.
- 15. If a physical alarm is installed as an output, check the conditions to trigger the alarm under **Alarm Event** and designate **Alarm Continuous Time**.
- 16. Check "**Set Camera Mapping**" to map cameras to this door, and click the **green arrow** next to First Camera.
- 17. Under DVR List window, click "**Search**" then select "**Search DVR and NVR**" to scan for GV-NVR/DVR within the network.

DVR List	X	DVR List
Search	Add Modify Remove Search DVR and NVR	Search Stop
	Search IP Device	MACHINENAME(192.168.0.168)
		GeoVision DVR 2(192.168.0.62)
	natively, select "Search IP	Demo10(192.168.0.119)
Devi	ce" to scan for GV-IP Devices	CHEEVANG(192.168.0.139)

- 18. Click "Search" to start scanning.
- 19. Check the desired DVR/NVR system and click "Add".
- 20. Highlight the DVR/NVR then select "Modify".



- 21. Enter the IP address, ID, and Password for the DVR/NVR to ensure access to the camera.
- 22. Click "OK".

GeoVision DVR 1(192.168.0.63)

lost Setting		DVR List
Host Name :	:HINENAME(192.168.0.168)	Search Add Modify Remo
Address :	192.168.0.168	MACHINENAME(192.168.0.168)
ID:	0000	
Password :		
Data Port : Log Port : Number of Came	5611 Default 5552 Default eras : 1	
	OK Cancel	
	rindow, select the tera to be mapped and click	OK Cancel

- 24. Repeat steps 9 to 23 to enable multiple doors, if available.
- 25. Under Controller Setup window, click "OK" to add the controller under ASManager.
- \checkmark Under Device View, if connection icon shows a yellow dot, then the connection is successful.
- ✓ Under Device View, if connection icon shows a red x, then the connection is NOT successful. Repeat steps 1 through 8 and make sure the parameters are correct.

Device View	Device View
16x16 👻	16x16 🔽
Device	Device
	👻 Controller 1

✓ For detail instruction, refer to p.21 of ASManager User Manual

5.8.7 Time Zone Setup

1. Under ASManager, select "Time Zones".



10

12 13 14 15 16

8

3. Name the time zone then click "**OK**".

n

0 : Deny Access 255 : Full Access

er ID	
1	ОК
Early Shift	Cancel
	er ID 1 Early Shift

4. Click on the start time, and drag until end time to define the duration.

5

Time Zone Setup																								
🎽 🛎 🖉 🕎	C																							
	ρ.,	.1	. 7	. 3	. 4	. 5.	6.	.7.	 9.	.10	.11.	.12	.13	.14	.15	.16	.17	.18	.19	.20	.21	.22.	.23	.24
0 : Deny Access		1.1.1				1775. V.S.	nora della	1977, 1977			1111111				197.025				177. V.S.		1975-1975 1			
255 : Full Access																								
1 : Early Shift																							24	:00
															and a								1	1
	<u></u>																							

5. Repeat steps 2 to 4 to define more time zones.

Time Zone Setup	
🎽 🛎 🛛 🖉	
	p. 1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24
0 : Deny Access	
255 : Full Access	
1 : Early Shift	
2 : Regular Shift	
3 : Late Shift	
	23:45
Access Time	
	OK Cancel

- 6. Click "**OK**" when finished.
- ✓ For detail instruction, refer to p.31 of ASManager User Manual

20

8 19

21 22 23 24

5.8.8 Weekly Schedule Setup

1. Under ASManager, select "Weekly Schedule".



4. Define daily access schedule by selecting the time zones created in section 5.8.7.

chedule Setup 🏘 🛎											
0 : Deny Access 255 : Full Access	Monday	Regular Shift	- 1	_,		T] 🗸
I : Full-Time	Tuesday	Deny Access		(8)	52		a.	20	5×	25	
	rucsudy	Full Access			-32	10		- 44		- 26	
	Wednesday	Early Shift		28			_	280	- 52	28)	
		Regular Shift		35	52			1	1		
	Thursday	Late Shift	_	1.	- 21	1	-	- U			7

5. Repeat steps 2 to 4 to define more weekly schedules.

æ æ										
) : Deny Access 255 : Full Access	Monday	Regular Shift	a.			г	0		a.	
l : Full-Time 2 : Part-Time I	Tuesday	Regular Shift		Ť.		t.	2	1	-	
3 : Part-Time II	Wednesday	Regular Shift	1	Ŀ.		Ŧ	a.	T	-	
	Thursday	Regular Shift	1	ł		Ť.	19	1	1	
	Friday	Regular Shift	a	T		Г	11	1	a	
	Saturday	Deny Acc	-	Ţ.	-	Î	2	2	- 1	
	Sunday	Deny Acc	a.	T.	a	Т	्रा		a	
	Hol.	Deny Acc	-	1	-	T	8	1	-	

- 6. Click "**OK**" when finished.
- ✓ For detail instruction, refer to p.33 of ASManager User Manual

5.8.9 Access Group Setup

1. Under ASManager, select "Access Groups".



2. Click "New".

Access Groups		
	Access Group Name	

3. Name the access group and select the weekly schedule to be applied on each door for this group according to schedules created in section 5.8.8.

Access Groups				
New Access Group_1		w Access Group_1	Manager	
7	E	Controller 1		
		Gate A	24-hour restricted	~
		2	24-hour restricted	
			24-hour access	
			Part-Time II	
			Full-Time Part-Time I Part-Time II	

4. Repeat steps 2 to 3 to define more groups.

Access Groups			
	Access Group Name	Employee	
Manager Cleaning Crew	Controller 1		
Intern	Gate A	Full-Time	
Employee			

- 5. Exit the window when finished.
- ✓ For detail instruction, refer to p.36 of ASManager User Manual

5.8.10 Cards Setup

1. Under ASManager, select "Cards".



- 3. Select Code Type then enter Card Number (numbers only).
 - a. Wiegand 26 allows 8-digit card number (default)
 - b. HID 37 allows 11-digit card number
 - ✓ ASManager supports Wiegand 26 ~ 64 frequency. However, only Wiegand 26 and 37 are defined by default. If a third-party reader with non-default frequency is used, it is necessary to first define the Wiegand parameters so that ASManager can read the card numbers properly. Such configuration can be done under Personnel, "Code Format Settings"
- 4. Enter the **Privilege** level for this card and assign it to an **Access Group** in the drop-down list as defined in section 5.8.9

w a Card					
Cardholder:			2		
Card Number:	123-45678		Code Type:	Wiegand26	~
Card Status:	Active	~	Card Type:	Normal	*
Activation Date:	5/12/2011	~			
Deactivation Date:	5/12/2011	~			
Pin Code:			Privilege:	No Privilege	~
			Support GV-AS200		
Access Group:	Manager	~			

- ✓ Pin Code is valid under "Card and Pin Code Mode" only
- 5. Click "**OK**" when finished.

- ✓ Alternatively, to enroll multiple cards with consecutive card numbers, use "**Batch New**" option.
- 6. Click "Batch New".

🛋 Card List							
New	Batch New	Edit	Delete	Import	Export Refre) esh	
Search by C	ard Number	101001	~		-weens I weeks	Auto Selec	t Filter View
Card Number	Card	Туре	Card Bits	Cardholder	Card Status	s Activation Date	Deactivation
123-45678	B Norma	al	26		Active	5/12/2011	

7. Select **Code Type** then enter **Card Number Range** (numbers only).

Card Number	123-45678 ~ 123-56789	Code Type	Wiegand26
Card Status	Enable	Card Type	Normal
Activation Date	01/19/2010	Deactivation Date	
Pin Code	••••	Privilege	No Privilege 💉
Access Group	DISABLE	~	Support GV-AS200

- 8. Enter the **Privilege** level for the batched cards and assign them to an **Access Group** in the dropdown list as defined in section 5.8.9
- 9. Click "**OK**" when finished.
- ✓ The third option to create a card database would be to import from Microsoft Excel or Access.
- 10. Click "**Import**" then select file type.

	atch New Edit	Delete	Import from Access	• C	10	
	Number	~	Import from Excel		Auto Select	
Card Number	Card Type	Card Bits	Import from Others	ard Status	Activation Date	Deactivation
123-45678	Normal	26		rive	5/12/2011	
Indicate File Pa		atabase file.	Sel	ect Microsoft O	ffice Access File	
Indicate File P Click " OK " wh For detail instru Manual	nen finished.		nager User	n <mark>ct Microsoft O</mark> Acrosoft Office Acr (le Path: Password		

5.8.11 Cardholders Setup

1. Under ASManager, select "Cardholders".



- 3. Enter First Name, Last Name, and Employee ID (if applicable).
- 4. Click "Select Photo" and locate a picture to associate with the cardholder.

eneral Hom	e Business	User Define	Fingerprint	Scan	
First Name:		Middle Nam	e:	Last N	lame:
John				Doe	
)isplay:		Employee II):	-	
Doe John	~				Select Photo
				X	-5. <u></u>
Cards:	G	0			

- 5. Click "Add" to add a card that belongs to this cardholder.
- 6. Double-click on the card number to assign the card to the card holder.

🛋 Select a car	d for user					
Search by Card N	lumber	*			Auto Select	Filter View
Card Number	Card Type	Card Bits	Cardholder	Card Status	Activation Date	Deactivation
123-45678	Normal	26		Active	5/12/2011	

- 7. Repeat steps 5 and 6 to add more cards for the same cardholder.
- 8. Go to **Home** and **Business** tabs to add in additional personal information regarding the card holder, if applicable.

General Home Bu	siness User Define Fingerprin	nt Scan		
Name: Doe Jol	in Employe	e ID: 001	01 12/23/2012 🗸 🗸	
Job Title:	Engineer 😽 Hire Da	te: 12/2:		
Business				
Department:	FAE 😽 Off	fice: Irvine	~	
Phone:	949-583-151 🔽 ext: 1	Fax:	*	
Company:	GeoVision Vip Co	ode: 92618	~	
Address:	9235 Research Dr.	arch Dr.		
E-Mail Address:	sales@usavisionsys.com	visionsys.com		
Web Page:	www.geovision.com.tw	vision.com.tw		
Notes:			~	

- 9. Click "**OK**" when finished.
- ✓ Alternatively, a cardholder database can also be imported from Microsoft Excel or Access.
- 10. Click "**Import**" then select file type.

🛎 Cardholder Li	st						
New E	Edit Delete	.	Export	User Define Field	ds Setting	Rel) fresh
Name		Import from Access Import from Excel Import from Others			Auto S	elect	Filter View
Name Employee ID				Job Title ext		×t	Mobile
🚨 Doe John	001			Engineer	1		

- 11. Indicate **File Path** to locate database file.
- 12. Click "**OK**" when finished.

elect Microsoft Office Excel File	
Microsoft Office Excel File Path	
Ele Path	
1	-
Password	
ок	Cancel

✓ For detail instruction, refer to p.38 of ASManager User Manual

5.8.12 Fingerprint Enrollment

✓ In order to enroll fingerprint in ASManager, it is required to connect GV-GF1901 to ASManager directly via GV-COM or GV-Net Card.



ardholder Setup						
General	Home	Business	User Define	Fingerprint	Scan	
GeoFi	nger Set	ting				
COMF	Port:	1	Device	e ID:	0 💉	Search

✓ If a GV-Fingerprint reader is not found, verify COM port and RS485 connection as shown above in the connection diagram.