

# Quick Start Guide

## *GV-AS / EV Controller*



Thank you for purchasing GV-AS / EV Controller (GV-AS100 / AS110 / AS120 / AS210 / AS400 / AS410 / AS810 and GV-EV48). This guide is designed to assist the new user in getting immediate results from the controllers. For advanced information on how to use the GV-AS100 / AS110 / AS120 / AS210 / AS400 / AS410 / AS810 and GV-EV48, please refer to GV-AS / EV Controller User's Manual on Software DVD.



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## 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. For GV-AS210 / 400 / 410 / 810, it is also recommended to install a backup battery.

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

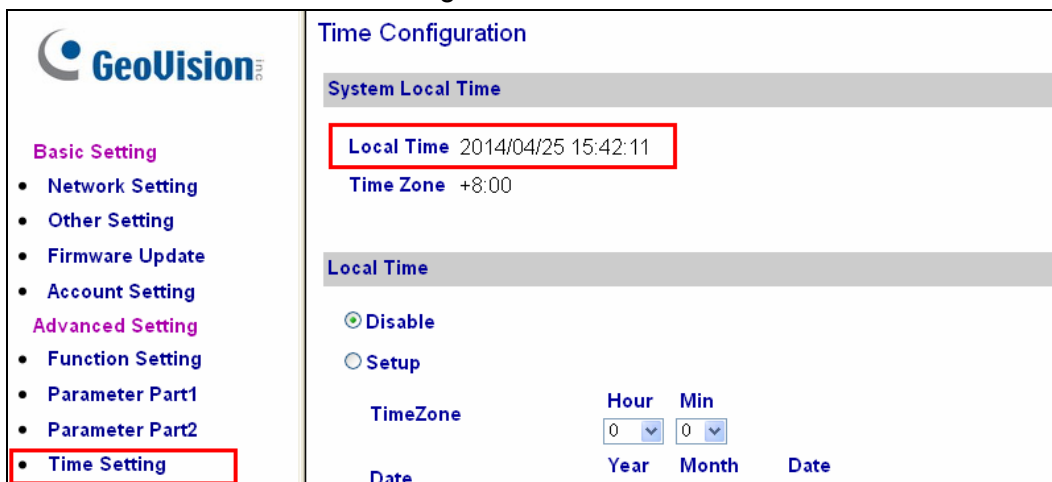
- GV-AS210: See 4.2.4 *Connecting Backup Battery*
- GV-AS400: See 5.6.4 *Connecting Backup Battery*
- GV-AS410 / 810: See 6.2.4 *Connecting Backup Battery*

### Replacing Mercury Battery (GV-AS100 / AS400)

For GV-AS100 / AS400, you can replace the mercury battery on your own when you see low battery messages and icons in GV-ASManager.

### Replacing Lithium Battery (GV-AS110 / AS120 / AS210 / AS410 / AS810 / EV48)

When GV-AS110 / AS120 / AS210 / AS410 / AS810 / EV48 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.



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, please contact your sales representative and send the controller back to GeoVision for battery replacement.

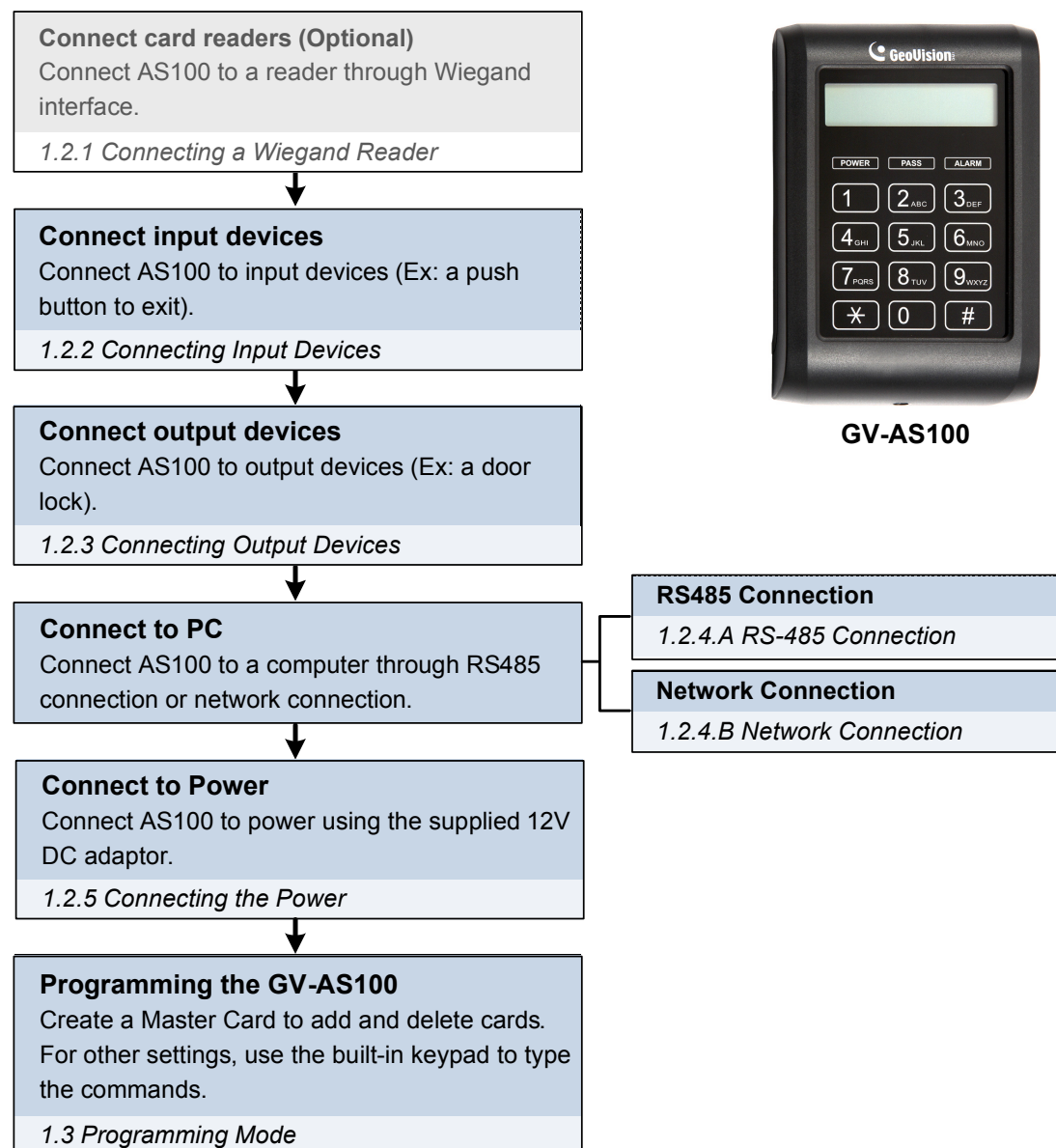
# GV-AS Controller Quick Start Guide

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 / 110 / 120

This section covers the basic settings required to start running GV-AS100 / 110 / 120. For more settings, 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



**GV-AS100**

## 1.2 GV-AS110

### Connect card readers (Optional)

Connect AS110 to a reader through Wiegand interface.

#### 2.2.1 Connecting a Wiegand Reader



### Connect input devices

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

#### 2.2.2 Connecting Input Devices



### Connect output devices

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

#### 2.2.3 Connecting Output Devices



### Connect to PC

Connect AS110 to a computer through RS485 connection or network connection.

#### RS485 Connection

##### 2.2.4.A RS-485 Connection

#### Network Connection

##### 2.2.4.B Network Connection



### Connect to Power

Connect AS110 to power using the supplied 12V DC adaptor.

#### 2.2.5 Connecting the Power



### Programming the GV-AS110

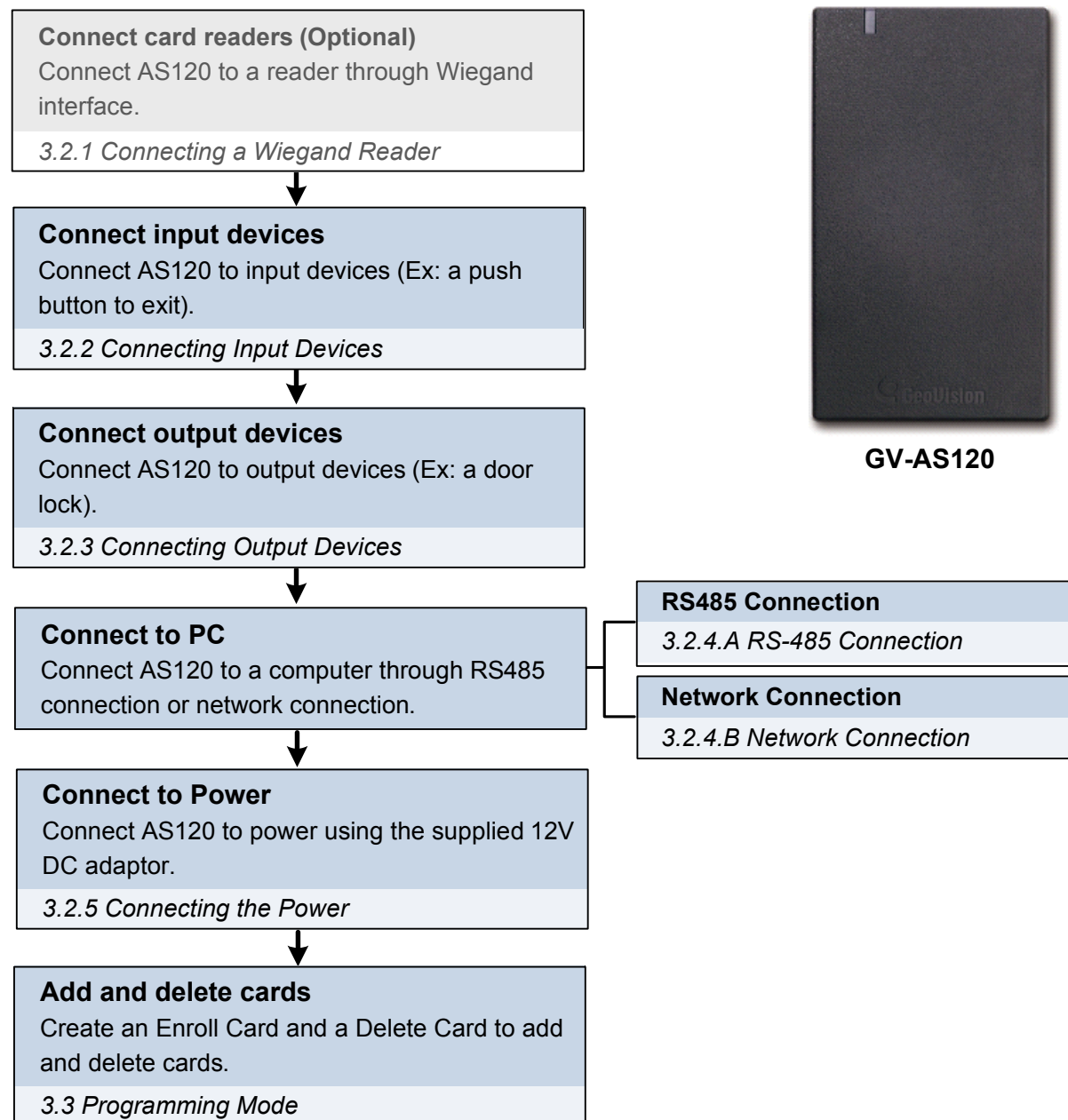
Create an Enroll Card and a Delete Card to add and delete cards. For other settings, use the built-in keypad to type the commands.

#### 2.3 Programming Mode



**GV-AS110**

## 1.3 GV-AS120

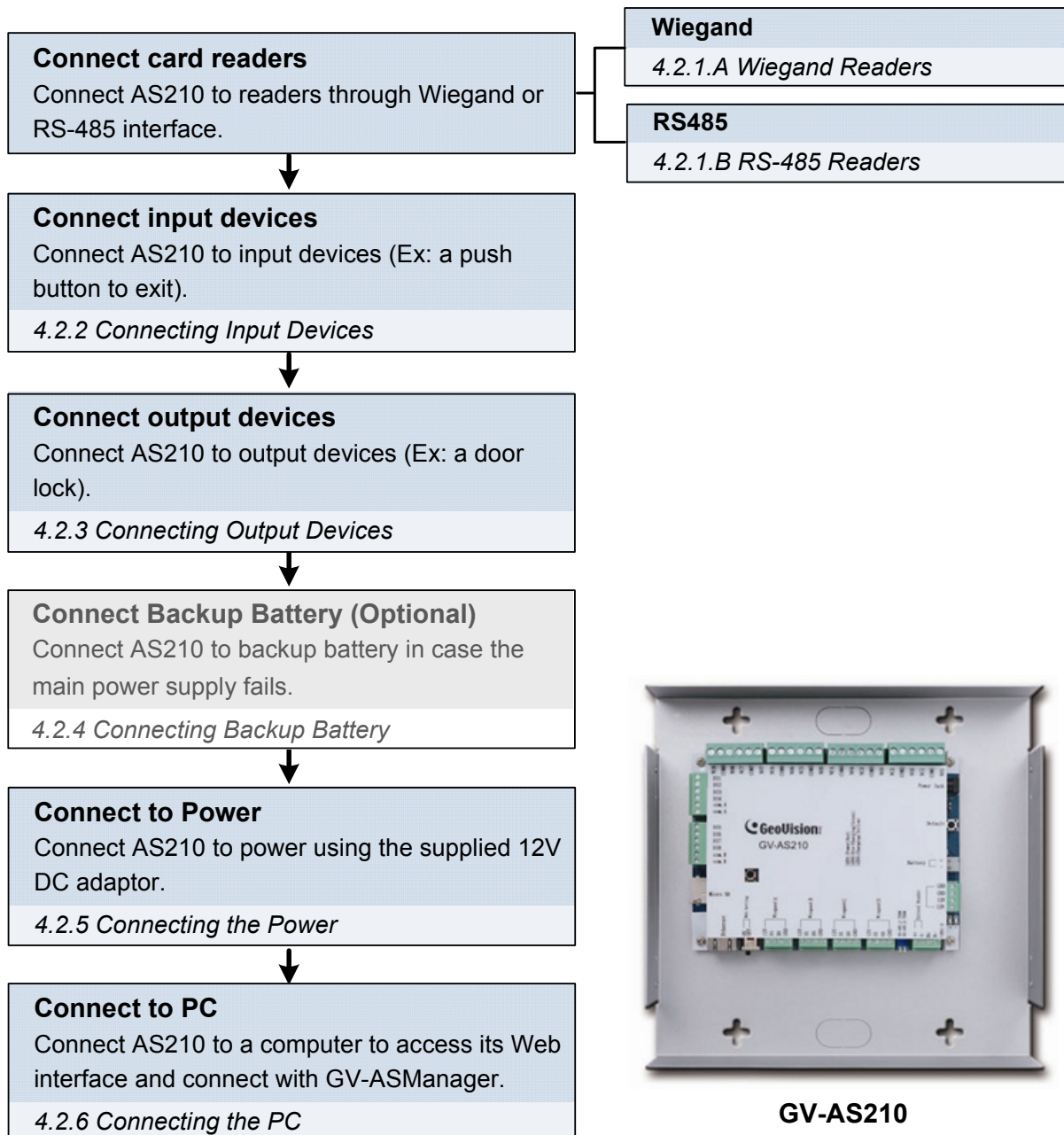


**GV-AS120**



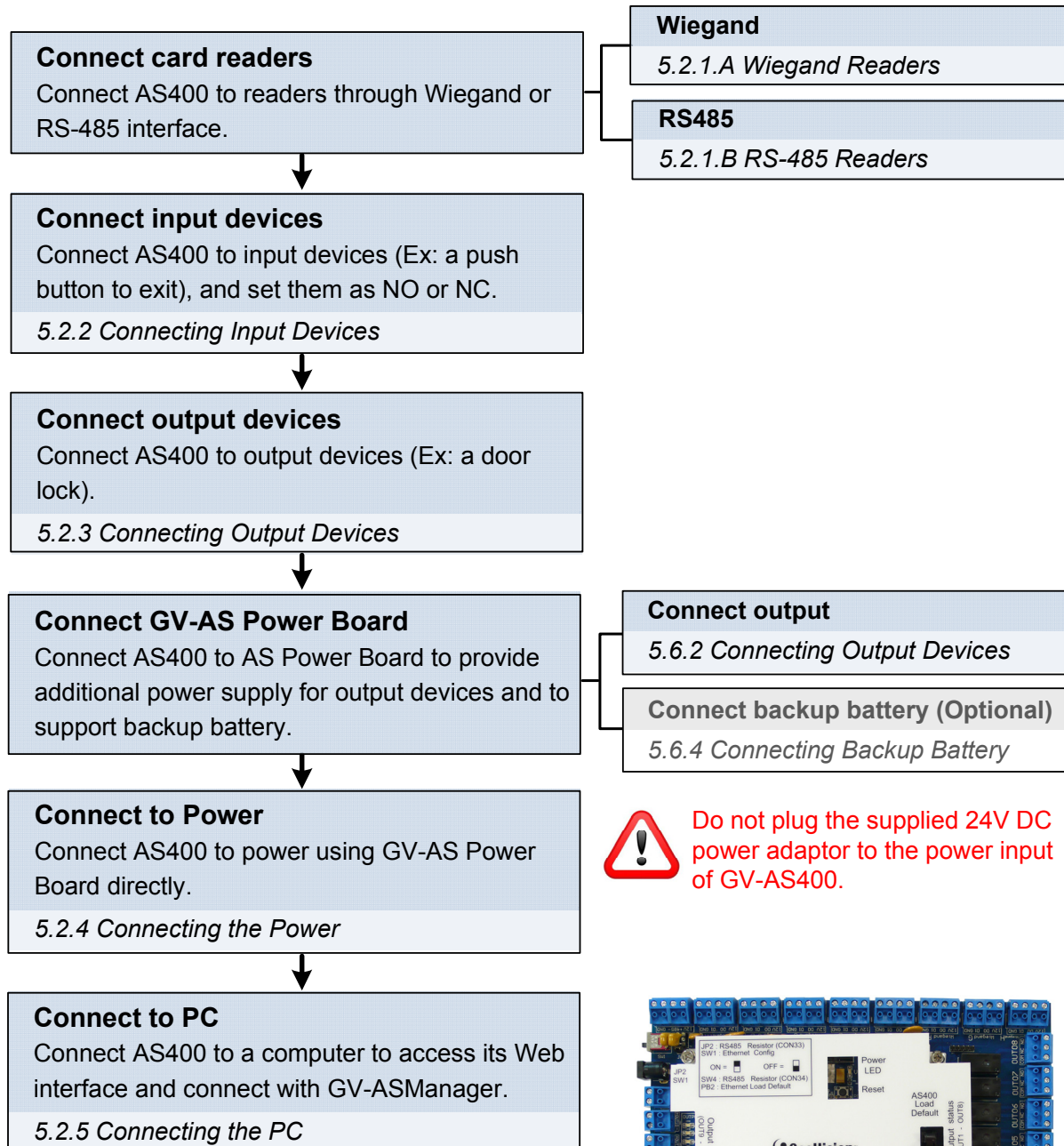
## 2. Physical Wiring for GV-AS210 / 400 / 410 / 810 and GV-EV48

### 2.1 GV-AS210

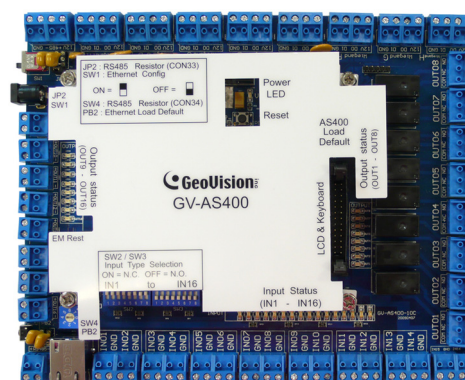




## 2.2 GV-AS400

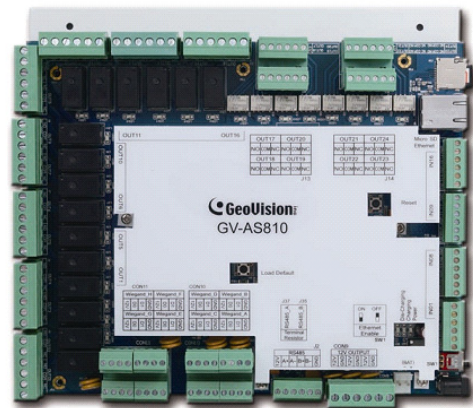
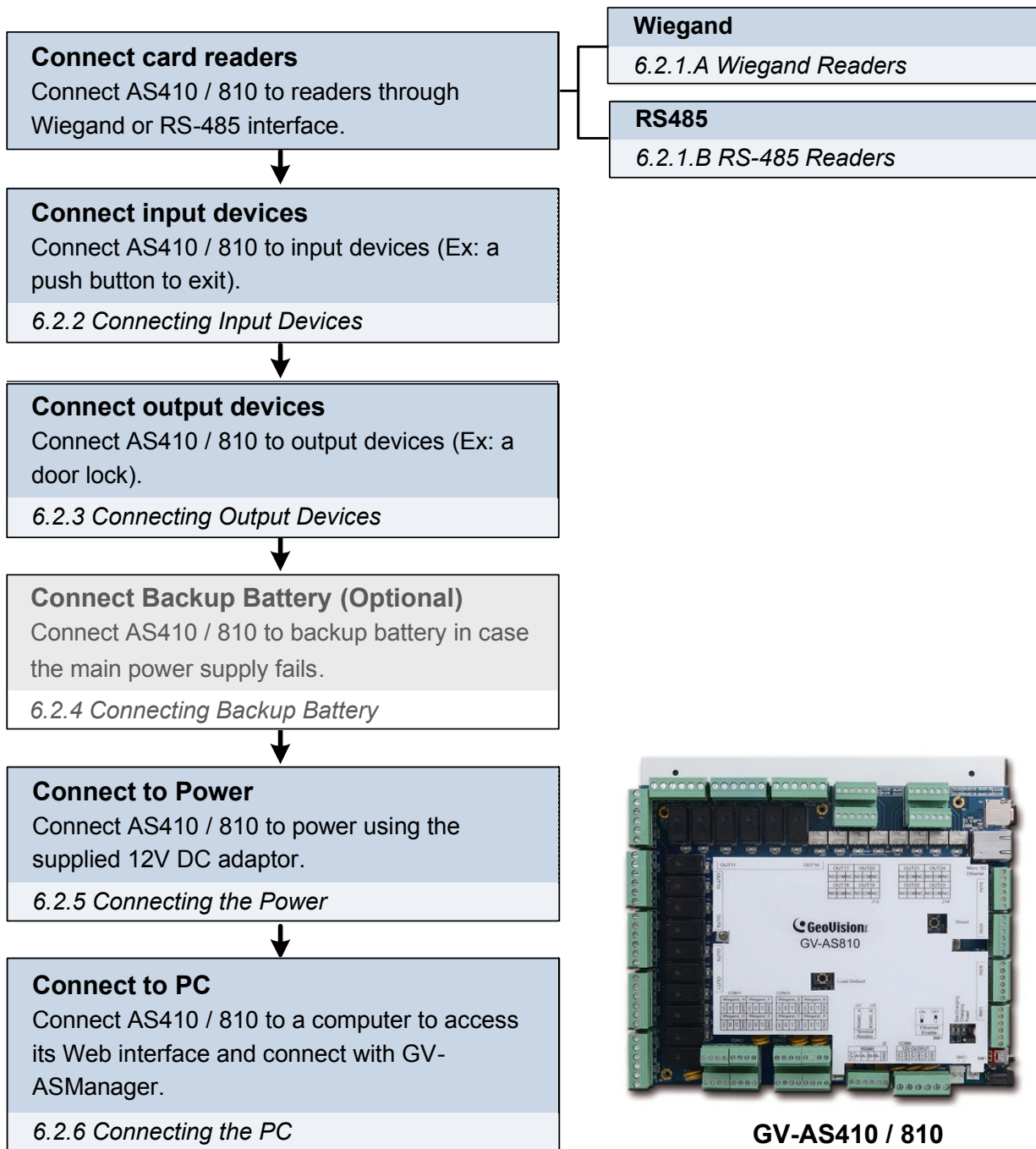


**Do not plug the supplied 24V DC power adaptor to the power input of GV-AS400.**



**GV-AS400**

## 2.3 GV-AS410 / 810



**GV-AS410 / 810**

## 2.4 GV-EV48

### Connect card readers

Connect EV48 to readers through RS-485 interface.

#### 7.2.1 Connecting RS-485 Card Readers



### Connect output relay

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

#### 7.2.2 Connecting Output Relay



### Connect Backup Battery (Optional)

Connect EV48 to backup battery in case the main power supply fails.

#### 7.2.3 Connecting Backup Battery



### Connect to Power

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

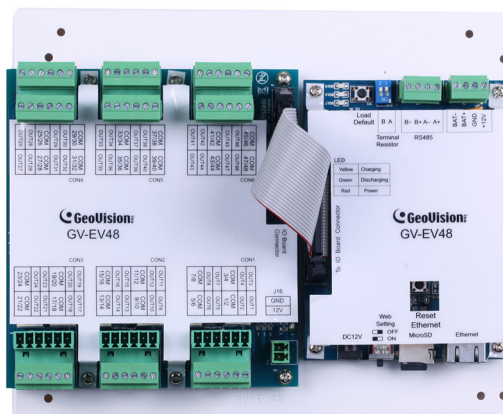
#### 7.2.4 Connecting the Power



### Connect to PC

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

#### 7.2.5 Connecting the PC

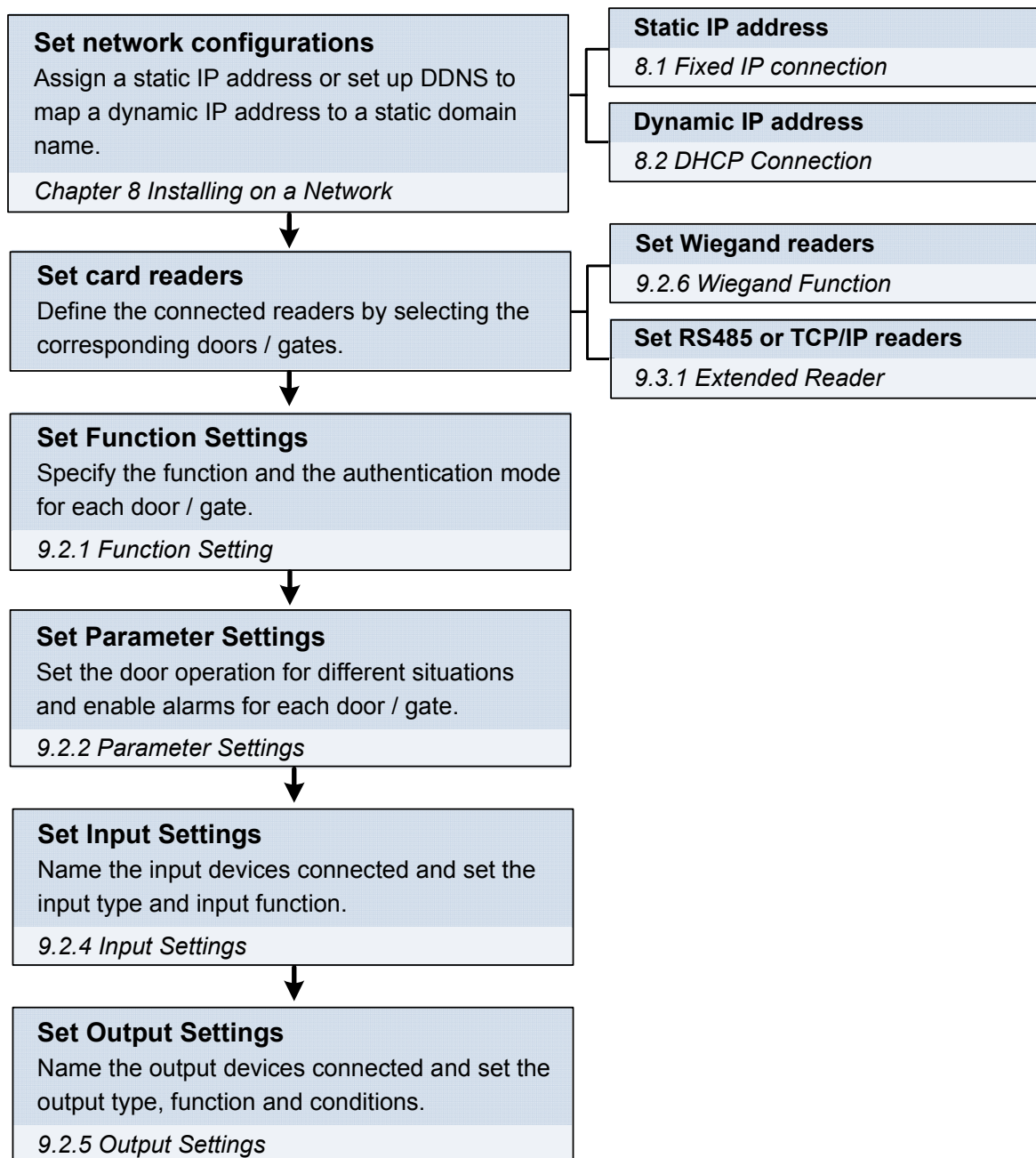


**GV-EV48**

### 3. Accessing the Web Interface of GV-AS210 / 400 / 410 /

#### 810 and GV-EV48

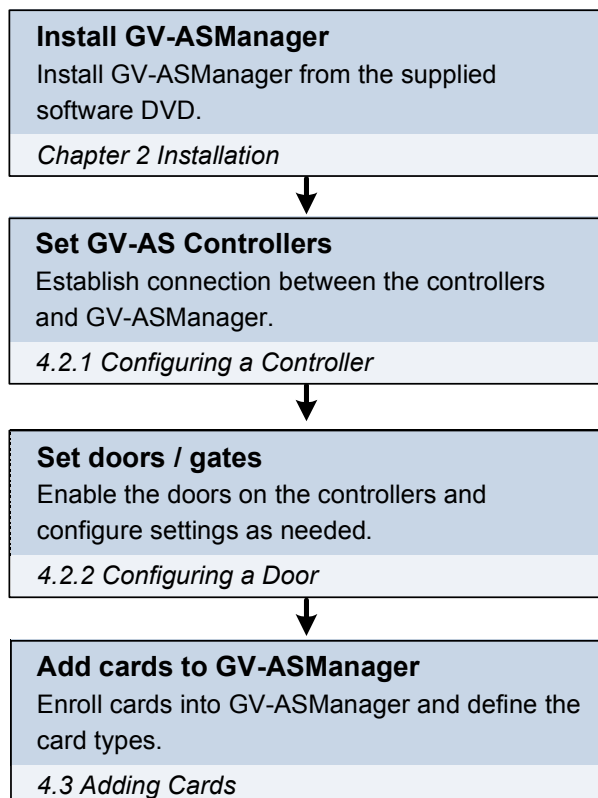
After connecting the required wires and cables for GV-AS210 / 400 / 410 / 810 and GV-EV48, access the Web interface of the GV-AS Controller to define the devices connected. The section numbers listed here refers to the *GV-AS Controller User Manual*.



**Note:** For GV-EV48, the Input Settings and Wiegand Function pages are 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**

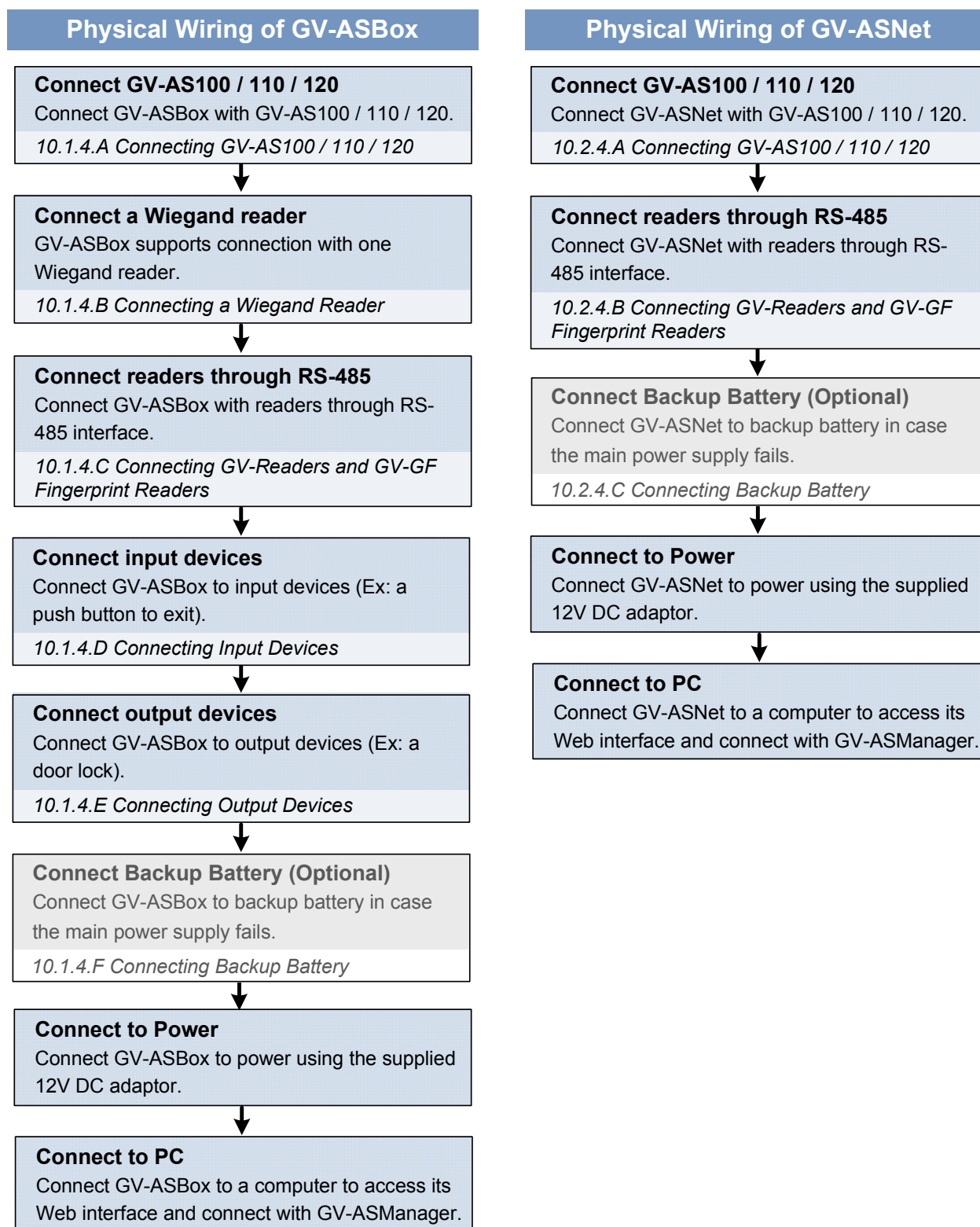
To access GV-AS100 / 110 / 120 on a network, an optional device GV-ASBox or GV-ASNet is required. GV-ASBox also supports connection with additional input devices, output devices and readers through Wiegand interface and RS-485 interface. GV-ASNet supports additional readers through RS-485 connection.

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*.





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

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

