

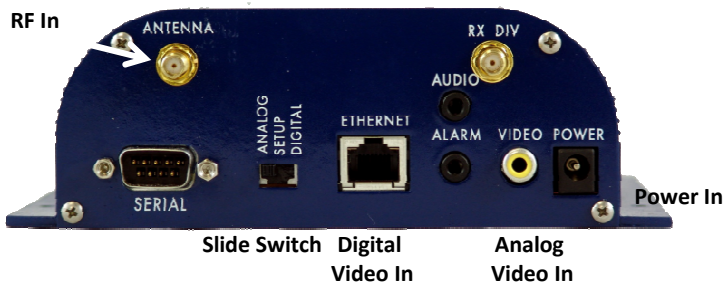


VIP-1A Web-Based User's Manual

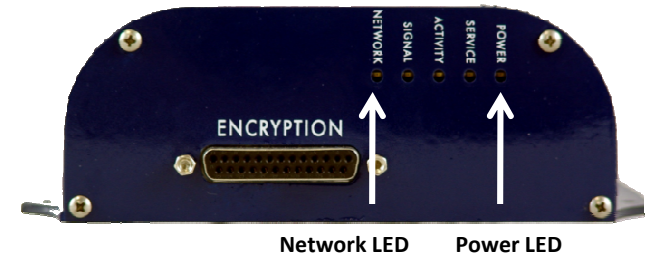


The items listed below have been designed to simplify the incorporation of the advanced features of the VIP-A. These items include an electronic version of the Quick Start Guide that came with your unit; setup procedures for date and time, audio, and alarm trigger actions; how to change the access password; how to set up a digital camera to the VIP-1A; an Axis 282/282A User's Manual for those who desire an in-depth presentation of system capabilities and how to implement them; the web address for downloading the Sierra Wireless "AceManager" (an application that allows you to wirelessly access the VIP-1As broadband modem to check performance including received signal strength); and finally, a troubleshooting guide. Just select the item you wish to view and click on it.

- 1. Quick Start User's Guide**
- 2. Basic Operations**
- 3. Date/Time Setup**
- 4. Audio Setup**
- 5. Alarm Setup**
- 6. Change Password**
- 7. Digital Camera Setup**
- 8. Axis 282/282A User's Manual**
- 9. Sierra Wireless Ace Manager**
- 10. Troubleshooting Guide**
- 11. Factory Settings**



VIP-1A Quick Start Guide



A

- Connect antenna to the "Antenna" connector (1).. "Rx Div" is only used when the VIP-1A is in motion. See Op Man for details.
- Connect power cable to "Power" on the VIP-1A and the AC or DC power source. Check the green "Power" LED is On and Steady.
- Connect an analog camera to "Video" connector (RCA(F)) and set "Slide Switch" to "Analog". **(OR)**
 - Connect a digital camera to "Ethernet" connector (RJ45) and set slide switch to "Digital".
- Approximately 90 seconds after power was applied to the VIP-1A, the "Network" LED should be On and Steady.

Note: (1) Regardless of the orientation of the VIP-1A, the antenna(s) must always be vertically aligned.

B

- The IP address (including the port number) is located on a label on the bottom of the VIP-1A (e.g., <http://68.25.142.214:9537>).
- Go to **Control Panel** → **Internet Options** → **Security** (Tab) → Click on **Trusted Sites** Icon → Click on **Sites** button → Type the IP address into the **Add** window (you do not need the port number) → Click on **Add** button → Click on **Apply** button → Exit **Internet Properties**. (If your network requires an <https://> prefix, then ignore this step and proceed to step c.)
- Using **Internet Explorer**, log on to the Internet using, again, the IP Address (including the port number) listed on the label on the bottom of the VIP-1A.
- When asked, enter the user name "root" and the password "semco".
- Accept the installation of AMC (Axis Media Control) on your computer (as follows):
 - This is the initial screen you will see once you are at the web site.



VIP-1A Quick Start Guide (p2)



where it says "click here..."

This website wants to install the following add-on: 'AXIS Media Control' from 'Axis Communications AB'. If you trust the website and the add-on and want to install it, click here...

- 3) Click on "Install ActiveX Control"
- 4) When the screen below appears, click "Install".



- 5) When the icons (shown below) appear at the bottom of the video window, Axis Media Center has been successfully installed.



C

The picture should appear like this

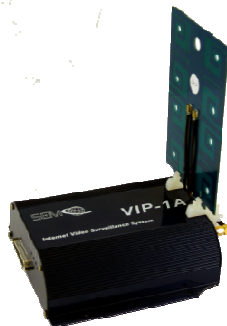


VIP-1A



Basic Operations

- 1. The VIP-1A comes with both an AC (AC-to-DC converter) and a DC power supply. There is no On/Off switch, so just plug the cable into the appropriate power source.*
- 2. The VIP-1A standard kit includes two (2) rubber-clad, omni-directional antennas. These antennas have a hinged joint which allows the user to align the antennas in the vertical plane regardless of the orientation of the VIP-1A. There is an antenna accessory that has a nominal 5 dB gain (versus the 0-1 dB of the standard antennas). See the 2 figures below. Normally, you will only connect one antenna to the VIP-1A using the "Antenna" RF connector. Connecting a second antenna (to the "RX DIV" connector) is only necessary when the VIP-1A will be in motion (e.g., in a vehicle). If you intend to use the second antenna, you must go to Ace Manager, connect to the VIP-1A using the IP address of the VIP-1A. Once connected, select "1X/EV-DO" and change the setting from "0" to "1". Remember to change it back to "0" when you are going to use the VIP-1A statically.*
- 3. The Analog-Setup-Digital slide switch is used primarily to direct video to the modem. When using an analog camera, select the Analog position; similarly, when using a digital/IP camera, then select Digital. The Setup position is used to connect to the encoder for setup modifications. These modifications can also be performed wirelessly over the internet. The Setup position is also used to connect the VIP-1A directly to a server.*
- 4. The encoder comes from the manufacturer with several Setup features using a default setting. SEMCO has changed some of those defaults, so that your system is plug and play upon receipt. Other settings are at your discretion and desires.*
- 5. If you have encryption requirements, please contact the factory : 800-995-0636.*





Date/Time Setup



AXIS COMMUNICATIONS **AXIS 282A Video Server** Live View | Setup | Help

View size: x1 x2 x4 Video format: Motion JPEG Trigger Snapshot

SEMCO VIP-1 A (Unit 2) 2009-01-13 15:05:39.50



AXIS COMMUNICATIONS **AXIS 282A Video Server** Live View | Setup | Help

Date & Time Settings

Current Server Time
Date: 2009-01-13 Time: 14:53:57

New Server Time
Time zone: GMT-08 (Las Vegas, San Francisco, Vancouver) **Set 3**
 Automatically adjust for daylight saving time changes.

Time mode:
 Synchronize with computer time **Set 4**
Date: 2009-01-13 Time: 14:54:30
 Synchronize with NTP server
NTP server: No server specified
 Set manually
Date: 2009-01-13 Time: 14:52:47

Date & Time Format Used in Images
Specify date format: Predefined YYYY-MM-DD **Set 5**
 Own %F
Specify time format: Predefined 24h **Set 6** With resolution: 1/100 seconds
 Own %T

7 Click Save Reset



Audio Setup



AXIS COMMUNICATIONS **AXIS 282A Video Server** Live View | Setup | Help

View size: x1 x2 x4 Video format: Motion JPEG Trigger Snapshot

SEMCO VIP-1 A (Unit 2) 2009-01-13 15:05:39.50



AXIS 282A Video Server Live View | Setup | Help

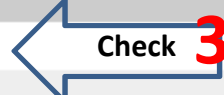
Audio Settings

Enable Audio

Enable audio

Audio Channels

Audio mode: Full duplex



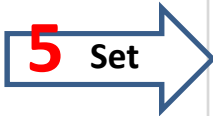
Send the sound from the active client to all other clients

Audio Input

Source: Microphone



Input sensitivity: High



Enable microphone power. If your microphone is dynamic or battery powered, this should be off.

Input gain: 30 dB (0 = medium default level)



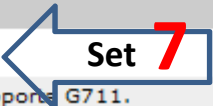
Encoding: G711 μ -law

Bit rate: 64 kbits/s

Alarm level: 50 [0..100] %

Audio Output

Output gain: 30 dB (0 = medium default level)



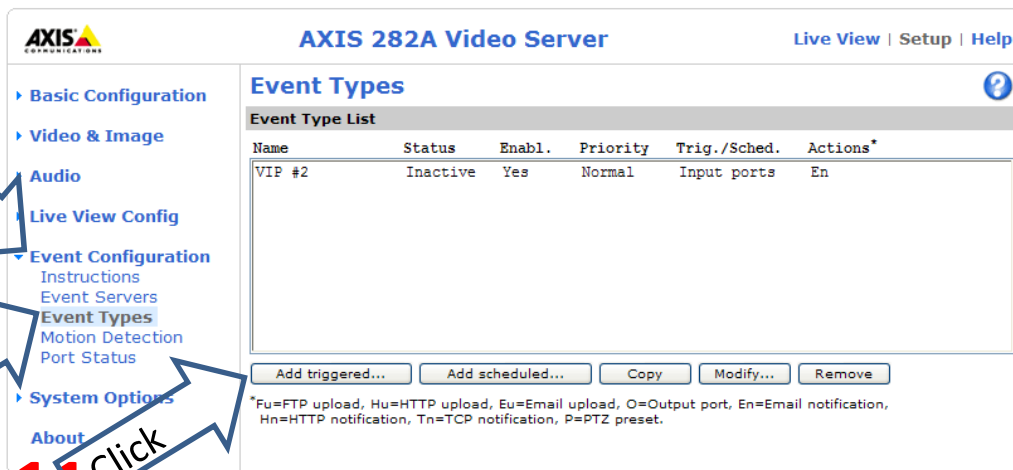
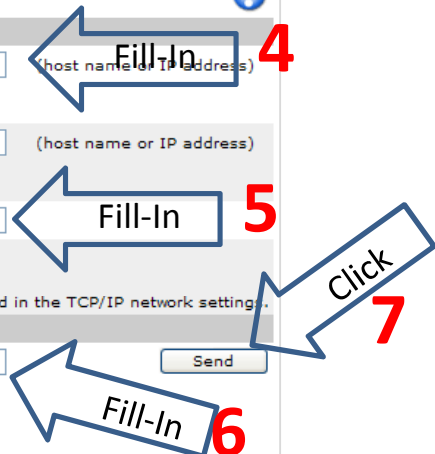
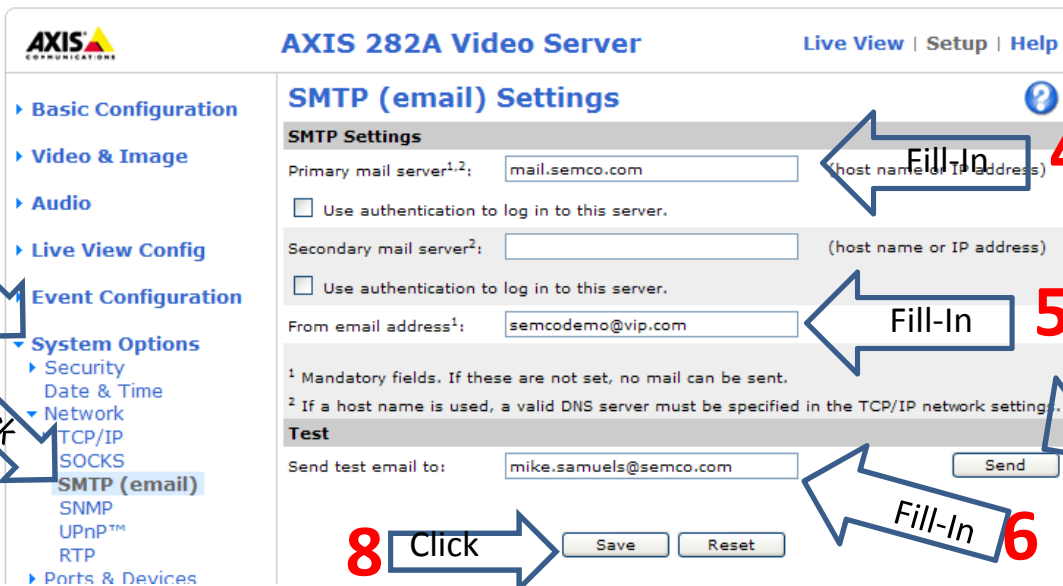
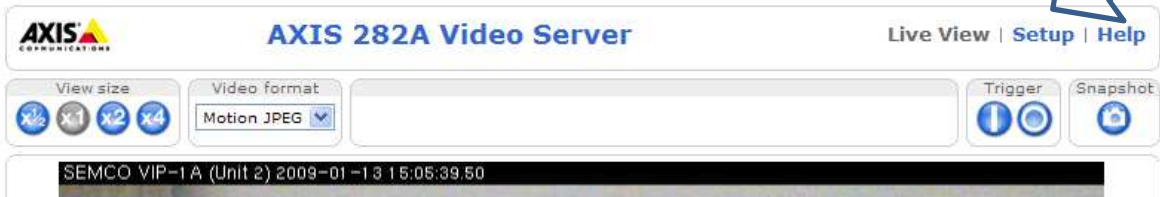
Note: The Java applet only supports G711 audio. QuickTime supports G711.



Save Reset



VIP-1A Alarm Setup





VIP-1A Alarm Setup (p2)

Triggered Event Type Setup ?

General

Name: **Fill-In 12**

Priority:

Respond to Trigger...

Always

Only during time frame Sun Mon Tue Wed Thu Fri Sat

Start time: Duration: (max 168:00 hours)

Never (event type disabled)

Triggered by...

Input ports **Select 14**

Input 1 **Select 15**

When Triggered...

Upload images

Activate output port

Send email notification

To email address: (use ; to separate addresses) **Fill-In 17**

Subject: **Fill-In 18**

Additional information:

Send HTTP notification to

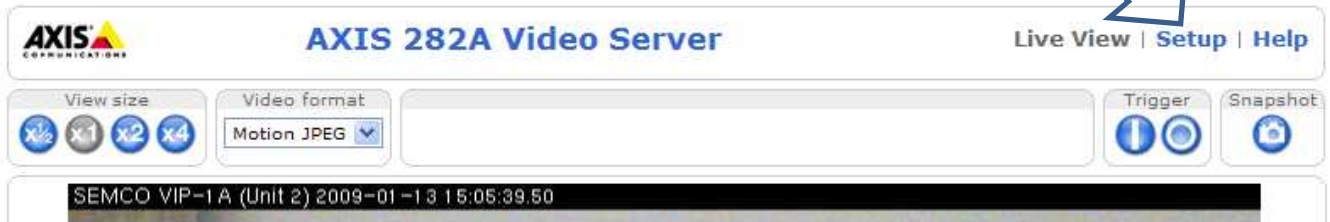
Send TCP notification to

Go to PTZ preset:

13 Click **20 Click**



Change Password





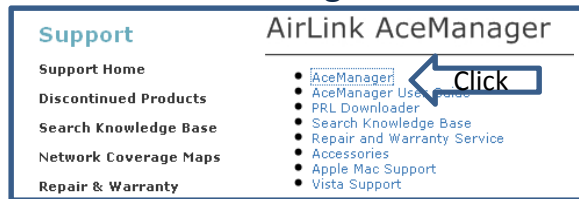
Sierra Wireless AceManager



AceManager allows the user to “see” (wirelessly) the status of the VIP-1As modem. To use Ace Manager, you must first download it from the Internet –

http://www.sierrawireless.com/support/Airlink/Wireless_Ace.aspx

a. Click on “AceManager”



b. Select “Save File”.

c. After download complete, click “Run”.

d. Click “Next”.

e. Click “Finish”.

After installation is complete, open AceManager (be sure the VIP-1A is up and running).

a. Select “Connect” on the Task Bar.

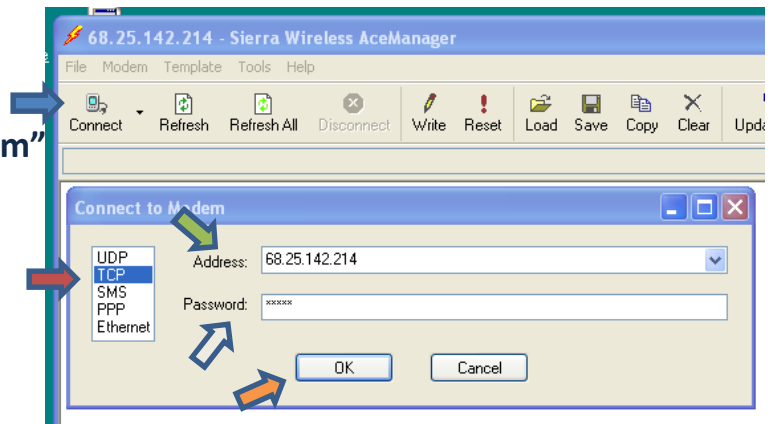
b. Select “TCP” in the “Connect to Modem” dialog box.

c. Type in the basic IP address (e.g., 68.25.142.214).

d. Type in the password; the default is 12345.

e. Click “OK”.

f. Once the modem data appears on the screen, select “Status” in the left margin. In the ‘Name’ column go down to RSSI and read the VIP-1A’s current signal strength. If you read RSSI in the -70s and low -80s, then you can expect good video performance. However, if the RSSI reads in the -90s, you can anticipate very slow frame rates.





VIP-1A Troubleshooting Guide

Symptom	Action
No Network LED after 2 minutes.	Remove power from the VIP-1A for a few seconds, then reapply power.. If this does not correct the problem after 2-3 attempts, contact the factory (800-995-0636).
Cannot access the web site.	<ol style="list-style-type: none">a. Ensure the modem is operating properly: Power, Network, and Service LEDs should be On and Steady; Signal and Activity LEDs are either Blinking or Steady.b. Using AceManger determine if there is adequate signal strength (RSSI) for internet access.
Can access the web site, but no video.	If you have the Live View screen but no video, then the problem is the camera. Check that the camera is powered On and that the video connection between the camera and VIP-1A is secure. You may have to check your video output with a monitor and not the VIP-1A.
Can access the web site, but no audio.	<ol style="list-style-type: none">a. Ensure the microphone has power and is selected On.b. Check that the speaker volume (slide bar at bottom of screen) is turned up.c. Check the speaker volume of your computer is turned up.



VIP-1A Factory Settings

The following Table is to be used to restore SEMCO factory settings in the event the VIP-1A had to be reset.

Section	Item	SEMCO Default Setting
USERS		root Administrator rescue Administrator
TCP/IP	Click on “advanced TCP/IP settings”	Under HTTP, type in the port address shown on the VIP-1A label. It is the number following the colon (:) in the IP address. (The system will have defaulted to port number “80”).
Date & Time	Time Zone Time Mode Date Format Time Format	Reset to your time zone. Select Synchronize with Computer Time. Select your Date Format. Select your Time Format (12h or 24h)
Video & Image	N/A	N/A
Audio	Enable Audio Audio Channels Audio Input (Source) (Input Sensitivity) (Input Gain)	Ensure box is checked. Select Full Duplex Microphone High Check the microphone power box. 30
Event Configuration/Event Type	Restore your alarm settings per the instructions in this manual under “Alarm Setup”.	