IP Downloading with Compass

You will need

- A properly configured and registered AlarmNet Communicator compatible with IP Downloading connected to the panel you wish to upload/download to.
- The MAC address of the AlarmNet Device.
- The most current version of the Compass downloading software.
- A panel which supports IP Downloading. Panels which support IP Downloading will have a space in Customer Details to enter a MAC Address.
- You will find list of panels that support compass IP downloading on pages 4 and 5 of this doc.

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Setting up the TCP/IP port in compass

1. On the main customer screen **click** on **Modems**
2. On the “Communication Settings” screen at the bottom left **click** on “TCP/IP port settings…”
3. **Click** on the drop down and select “TCP/IP port 1” and then **click** on “Add”
4. Close the window then on the “Communication Settings” screen, **click** “Apply” and then “OK”

*Don’t forget to configure your modem and com port, if needed*

- 2 - Updated: 3/14/14
Connecting to the panel

1. Open the customer’s panel

2. **Click** on “Tools” then **click** “Communications”

3. The “Compass Communications” screen will appear.

4. Select the appropriate command, then **click** on *connect*. 
5. Check the "Enable TCP/IP" option
Step-by-Step

6. Choose the “Connection Mode”. The tables below will explain when the “ECP” or “Direct Wire” options should be chosen and if any additional equipment is needed. Remember to always select the “AlarmNet-I” option as well.

Vista–Low and Mid Series Panels (All support ECP Connection Mode)

<table>
<thead>
<tr>
<th>Honeywell Private Label</th>
<th>First Alert</th>
<th>IP/GSM Downloading</th>
<th>Special Note</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vista-10P</td>
<td>FA 130CP</td>
<td>Rev.2.0+</td>
<td>Note 1</td>
</tr>
<tr>
<td>Vista-15P</td>
<td>FA148CP</td>
<td>Rev.5.2+</td>
<td>Note 1</td>
</tr>
<tr>
<td>Vista 20P/PS</td>
<td>FA168CPS/FA168CGP</td>
<td>Rev.5.2+</td>
<td>Note 1</td>
</tr>
<tr>
<td>320P1</td>
<td></td>
<td>Rev.5.2+</td>
<td>Note 1</td>
</tr>
<tr>
<td>Safewatch 3000/EN</td>
<td></td>
<td>-</td>
<td>None</td>
</tr>
<tr>
<td>Vista-211P</td>
<td></td>
<td>-</td>
<td>None</td>
</tr>
<tr>
<td>LYNXR-I</td>
<td>ReadyGuard-I</td>
<td>✓</td>
<td>None</td>
</tr>
<tr>
<td>APX32 / APX32EN</td>
<td></td>
<td>✓</td>
<td>None</td>
</tr>
<tr>
<td>LYNXR-2</td>
<td>ReadyGuard-R2</td>
<td>✓</td>
<td>None</td>
</tr>
<tr>
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<td>Readyguard3000</td>
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</tr>
<tr>
<td>L5100</td>
<td>Readyguard5100</td>
<td>✓</td>
<td>None</td>
</tr>
</tbody>
</table>
### Step-by-Step

**Vista-High Series Panels**

<table>
<thead>
<tr>
<th>Honeywell/ Private Label</th>
<th>First Alert</th>
<th>Compass Downloading over IP/GSM</th>
<th>Special Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vista-128BP</td>
<td>FA1660C</td>
<td>Direct Wire</td>
<td>Note 2</td>
</tr>
<tr>
<td>Vista-128BPE</td>
<td>FA1660CE</td>
<td>Over ECP</td>
<td>Note 4</td>
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<tr>
<td>Vista-128BPT</td>
<td>FA1660CT</td>
<td>Over ECP</td>
<td>Note 4</td>
</tr>
<tr>
<td>Vista-250BP</td>
<td>-</td>
<td>Direct Wire</td>
<td>Note 2</td>
</tr>
<tr>
<td>Vista-250BPE</td>
<td>-</td>
<td>Over ECP</td>
<td>Note 4</td>
</tr>
<tr>
<td>Vista-250BPT</td>
<td>-</td>
<td>Over ECP</td>
<td>Note 4</td>
</tr>
<tr>
<td>-</td>
<td>FA1600C</td>
<td>Direct Wire</td>
<td>Note 3</td>
</tr>
<tr>
<td>Vista-32FB</td>
<td>-</td>
<td>Direct Wire</td>
<td>Note 3</td>
</tr>
<tr>
<td>Vista-32FBPT</td>
<td>-</td>
<td>Over ECP</td>
<td>Note 4</td>
</tr>
<tr>
<td>Vista-128FBP</td>
<td>FA1670C</td>
<td>Direct Wire</td>
<td>Note 3</td>
</tr>
<tr>
<td>Vista-128FBP (Revision 4+)</td>
<td>-</td>
<td>Over ECP</td>
<td>Note 4</td>
</tr>
<tr>
<td>Vista-250FBP</td>
<td>FA1700C</td>
<td>Direct Wire</td>
<td>Note 3</td>
</tr>
<tr>
<td>Vista-250FBPT</td>
<td>-</td>
<td>Over ECP</td>
<td>Note 4</td>
</tr>
<tr>
<td>Vista-250FBP (Revision 4+)</td>
<td>-</td>
<td>Over ECP</td>
<td>Note 4</td>
</tr>
</tbody>
</table>

### Notes:

1. When “Rev.” is referred to, it is referencing the revision of the control panel.

2. This panel requires the direct wire kit, part # VBPCOMKIT for IP connection with compass. The communicator must be mounted within 10 feet of the control panel and the direct wire cabling must be no longer than 10 feet. Also be sure that the installer code in the compass matches what is in the panel.

3. This panel requires the direct wire kit, part # VFBPCOMKIT for IP connection with compass. The communicator must be mounted within 10 feet of the control panel and the direct wire cabling must be no longer than 10 feet. Also be sure that the installer code in the compass matches what is in the panel.

4. This panel requires no additional equipment and will connect directly over the ECP bus of the panel.

*You can reference the direct wiring configurations on page 10 of the document*
7. Enter in the last 6 digits of the MAC address of the AlarmNet communicator in the “Network Device MAC Address” box.
8. Choose “First Time Communication” or “Use Account CSID”, just be sure that the account number in compass matches the account number in the panel.

10. Click “Connect”
11. Verifying Connection Status

You will see the connection status change while the connection process is taking place. This is located at the bottom of the “Command Screen.” This serves as a verification that it is connecting to the data server and then sending the connection command to the panel.

Step 1: Connecting to the Data Server . . .

Step 2: It makes connection with the panel and sends the Connect command

Step 3: Verification of the CSID (Computer Station ID)

Step 4: Retrieving resource list data

Step 5: Retrieving System Status
12. Once connected to the panel you will get a message stating that the programming in the panel has changed and it will give a status view of the panel.

13. Click “close”.

14. The “Compass Communications” screen will appear. This is where you select the command you wish to perform before connecting or after connection. Click and drag the command into the “Selected Commands” window or highlight the command and click the “Move to Selected Command” arrow.
Wiring configurations for “Direct Wire”

To perform IP up/downloading using Direct Wire, the AlarmNet communicator requires that Direct Wire Downloading over IP programming is enabled (Direct Wire Y/N), and that the ECP device address on which the AlarmNet communicator communicates with the control panel as a keypad is entered (Keypad Address). Additionally, the AlarmNet communicator must be connected by cable as shown below to the panels listed. This feature is not available if the communicator is set for zone trigger mode.

NOTES:
• The Length of the cable between the 4100sm and the Radio is limited to the length of the 4142tr cable. The radio must be close to the panel.
• For Direct Wire IP downloading on Commercial Fire panels (e.g. VISTA-128FBP, FA1700C), Program Field 3*19 Enable J2 Header Printer Port must be set to "1".

32FB/128FBP/250FBP

![Diagram of wiring configurations for Direct Wire](image)
Step-by-Step

128/250BP Revision 3 and Below

- The following connection is only required on 128BP Rev 3 and under when downloading via the communicator is desired.
- Downloading to 128BP Rev 4 and greater is accomplished over the ECP bus (refer to note 4) without the use of the direct wire connection shown below.

* PARTS SUPPLIED WITH DOWNLOADER KIT P/N VBPCOMKIT
VBPCOMKIT RJ-11 Wiring

1. The only two wires needed off of the J8 Connector are the Brown and Violet.

2. The Brown Wire goes to pin 1 on the RJ-11. (See Below for RJ-11 Pin Out)

3. The Violet Wire goes to the pin 6 on the RJ-11. (See Below for RJ-11 Pin Out)

   All Connections Shown are with the Clip Down.

4. The 4142TR and KH4668WHRJ11 Cables shown are above supplied with the downloader kit Part #: VBPCOMKIT

5. The above connection is only required on 128BP Rev 3 and under when downloading via the communicator is desired.
Using Internet Communicators

When making a connection to an AlarmNet Internet Communicator, the network the device is connected to must be able to access the internet over specific ports. Our communicators require that ports 80 and 443 be open and available for all outbound traffic, with NO filtering. No Proxy Servers, Stateful Packet Inspection (SPI), Packet or IP Filtering, or any software that attempts to open or look inside our encrypted data packets, can cause IP communication failures. If unsure if these ports are available please reference the information below.

Be sure you can ping these destinations from the physical CAT5 connection plugged into the AlarmNet Internet communicator. (Unplug the cat5 from the communicator and plug into a laptop)

Performing a Telnet Test

Open a DOS command prompt window. To do this, click “Start”, then click “Run”. When the dialog box opens type, “cmd” and press <enter>. At the DOS prompt, “C:\>”, type the following:

1.   telnet (space) auiredir1.alarmnet.com (space) {Port Number} (press the enter key)
2.   After entering the Telnet command at the command prompt the window should “blank out” and the cursor will return to the top left and flash.
3.   Next, type about 15 – 20 characters, you will see the socket quickly close and your command prompt will return, “C:\>”. This indicates connectivity is working.

Redir 1 ……………..(auiredir1.alarmnet.com) {ports 80,443}
Redir 2 ……………..(auiredir2.alarmnet.com) {ports 80,443}
Redir 3 ……………..(204.141.57.102) {ports 80,443}
Redir A …………….(auiredir3.alarmnet.com) {ports 80,443}
Control Server ....... (controlserver.alarmnet.com) {ports 80,443}
Data Server 1 ………. (dataserver1.alarmnet.com) {ports 80,443}
Data Server 2 ………. (dataserver2.alarmnet.com) {ports 80,443}

Enabling Telnet in Windows Vista/ Windows 7

1.   Open “control panel”
2.   Open “programs and features”
3.   Click “turn windows features on or off”
4.   Wait for list to populate
5.   Select “telnet CLIENT”
6.   Click “OK”
Step-by-Step

Panel programming

Vista low and mid series panels
1. Programming location 91 the second digit needs to be set to a 2 (this is only if TC2 is added to the communicator)
2. The communicator connected to the keypad bus
3. *96 to reset account number and CSID

Vista High end panels…Ecp downloading
1. *32 (enter account number by putting in a 0 in front of each digit. EX 01 02 03 04)
2. *36 (default by entering 15 x 8 times)
3. Device programming
   a. Address of the communicator by default is address 3. Set the device type as a 06 for Long Range Radio
   b. Address 25 set as a device type 12 (only if using total connect 2.0)
   c. Make sure no other devices on the keypad bus are at the same address of the radio

Vista High end panels…Direct wire downloading
1. *32 (enter account number by putting in a 0 in front of each digit. EX 01 02 03 04)
2. *36 (default by entering 15 x 8 times)
3. Device programming
   a. Address of the communicator by default is address 3. Set the device type as a 06 for Long Range Radio
   b. Address 25 set as a device type 12 (only if using total connect 2.0)
   c. Make sure no other devices on the keypad bus are at the same address of the radio
   d. The address of the direct wire keypad. Set that address up as a alpha keypad device type 01
5. Match the installer code between compass and the panel
L5000,L5100 series and above

1. In reporter → primary central station information → set the phone type to Contact id 4 digit and either leave the account number FFFF or put a 4 digit account number in.