Com Series™

HOW-TO GUIDE:
ECP PASSTHRU

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ECP PASSTHRU OVERVIEW

CellCom and DualCom Universal Communicators enable you to take over and manage ECP panels with connection to the ECP Bus. This feature is called ECP Passthru.

This guide is designed to walk you through ECP passthru installation and setup. For more complete information, refer to the CellCom Installation Guide (LT-1817) or the DualCom Installation Guide (LT-1859).

Procedure

The installation must follow this procedure:

Step 1: Mount the communicator.

Step 2: Wire the communicator.

Step 3: Program Vista keypad device address 20

Step 4: Configure ECP settings (remotely or locally)

Required Materials

The following software and hardware components are required to perform system takeovers:

- Compatible Honeywell VISTA panel (refer to "VISTA Panel Compatibility")
- CellCom or DualCom with minimum firmware Version 202
- (Optional) Programming keypad with Model 330 or Model 330-24V programming cable
- (Optional) Cat 5 Ethernet cable
- 18-22 AWG unshielded wire (RYGB)
- Remote Link minimum Version 2.02

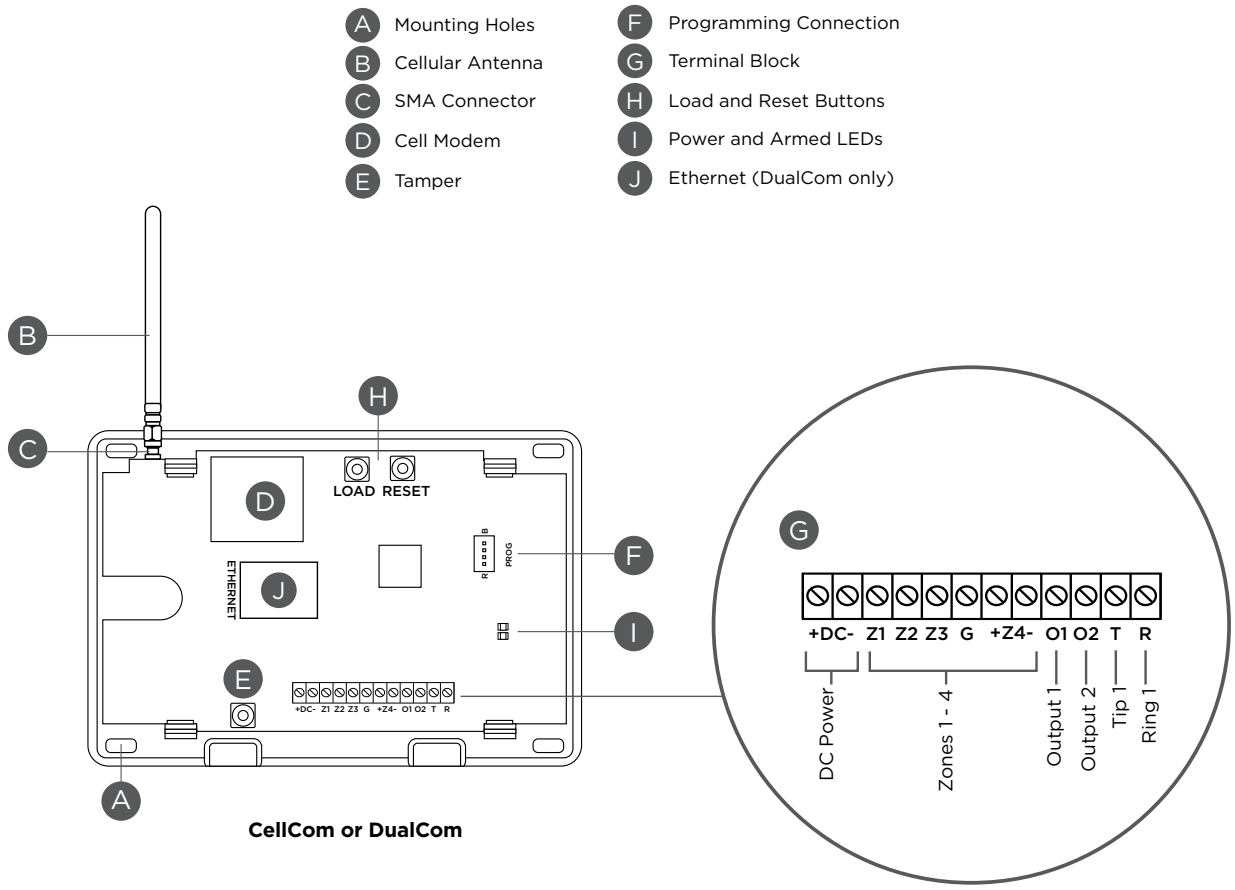


Figure 1: CellCom and DualCom Components

STEP 1: MOUNT THE COMMUNICATOR

It is not necessary to remove the PCB from the housing when installing the communicator.

The communicator should be mounted to a wall using the included #6 screws in the mounting holes. Refer to Figure 1 for mounting hole locations.

Mount the communicator in a secure, dry place to protect it from tampering and weather damage. If using a 685 Series Conduit Backbox, refer to the 685 Installation Sheet (LT-1431) for mounting instructions.

STEP 2: WIRE THE COMMUNICATOR

The communicator can be connected to the ECP Bus of a VISTA panel. See Table 1 and Figure 2 for the necessary wiring connections.

Caution: Remove all AC and battery power from the panels before wiring.

1. Attach the antenna to the SMA connector. Refer to Figure 1.
2. Connect system batteries as needed, then connect the panels to an appropriate power source.
3. Connect a programming keypad to the communicator.
    a. For 12 VDC applications, connect the keypad to the communicator PROG header with a Model 330 programming harness.
    b. For 24 VDC applications, connect the keypad to the communicator PROG header with a Model 330-24V programming harness with an in-line resistor.
4. After programming is complete, remove the keypad and replace the housing cover on the mounted base.

Note: Address 1 is reserved by the system for programming keypads.

Communicator to ECP Wiring		
Com Series	ECP Bus	Typical Color
+DC	Keypad Power	Red
-DC	Keypad GND	Black
Z4+	Data Out	Green
Z4-	Data In	Yellow

Table 1: Wire Connections

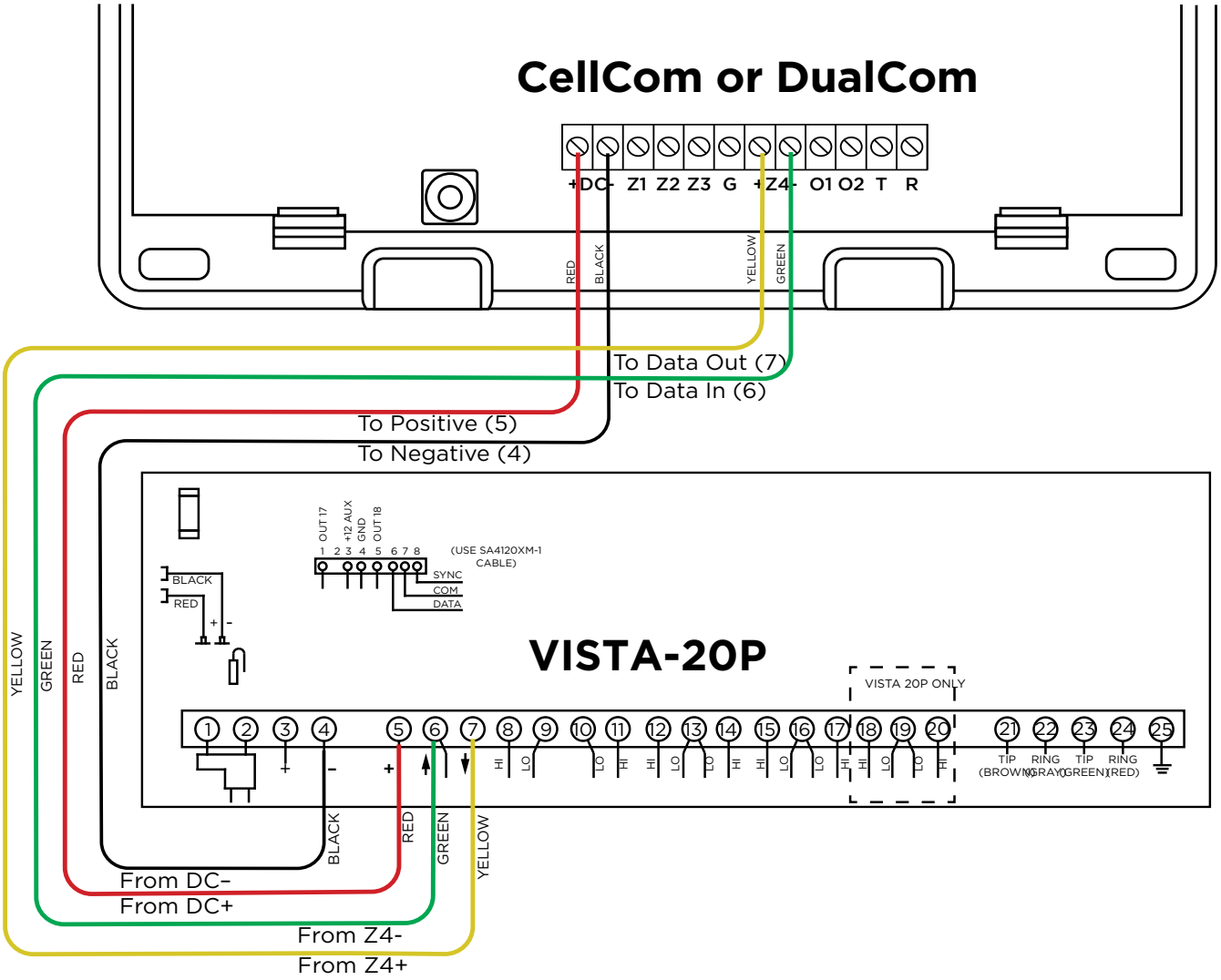


Figure 2: ECP Wiring

STEP 3: PROGRAM THE VISTA KEYPAD

In this step, you will program VISTA Keypad 5 Device Address 20. This enables the VISTA panel to communicate with a CellCom or DualCom. This step must be performed locally at the VISTA panel.

1. Power down and then power up the VISTA panel.
2. Within 1 minute of powering up the VISTA panel, simultaneously press and hold the **#** and * buttons on the keypad.
3. The keypad displays **INSTALLER CODE**. Enter the installer code (default is **4112**), followed by **8 0 0**.
4. Enter ***193**, then enter **1 0**.
5. To save and exit programming, enter ***99**.

STEP 4: CONFIGURE ECP SETTINGS

For the communicator to properly process data from the VISTA panel, keypad input must be set to **ECP**. You can perform this programming remotely with Dealer Admin or locally with a programming keypad.

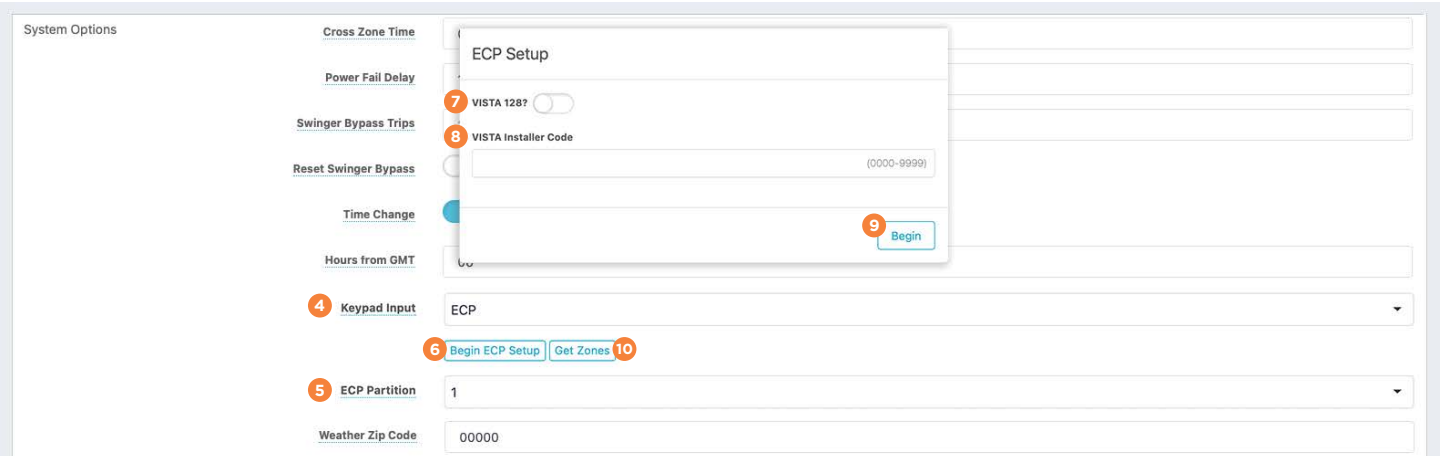
Remote programming requires communicators with firmware Version 212 or higher. Local configuration requires communicators with firmware Version 202 or higher.

During configuration, refer to "Troubleshooting" for programming messages and troubleshooting steps.

Remotely (Dealer Admin)

Before programming, ensure the ECP panel's IP address is set as default.

1. Go to **Customers**.
2. Find and select the system name.
3. Go to **Full Programming > System Options**.
4. In **Keypad Input**, select **ECP**.
5. In **ECP Partition**, enter the number of the partition where you want the communicator to operate.
6. Press **Begin ECP Setup**.
7. If the host panel is a VISTA 128, turn on **VISTA 128**.
8. Enter the host panel's installer code in **VISTA Installer Code**.
9. Press **Begin**.
10. After setup is complete, Dealer Admin automatically retrieves zones from the host panel. If you need to retrieve zones again later, open **System Options** and select **Get Zones**.



Locally (Keypad)

To advance through the programming menu, press **CMD**. To go back, press the Back Arrow key. To enter a menu, press any select key or area. To select an option, press the select key or area under that option.

Before programming, ensure the ECP panel's IP address is set as default.

1. Power up or reset the communicator.
2. At the communicator keypad, enter **6653** (PROG) and press **CMD**.
3. Advance to **SYSTEM OPTIONS**, then press any select key or area to enter the menu.
4. Advance to **KYPD INPUT**, then press any select key or area.
5. Select **ECP** by pressing the third select key or area under that option.
6. At **ECP PARTN NBR**, enter the number of the partition where you want the communicator to operate. Range is 1 - 8. Default is **1**.
7. To save programming, advance to **STOP** and press any select key or area.
8. At the communicator keypad, enter **2313** (DIAG) and press **CMD**.
9. Advance to **ECP SETUP** and press any select key or area.
10. At **ECP SETUP VISTA 128?**: If the panel is a VISTA 128, select **YES**. Otherwise, select **NO**.
11. At **INST CODE**, enter the ECP panel installer code and press **CMD**.
12. After configuration is finished, the keypad advances to **GET ZONES**. Press any select key or area.

As the communicator retrieves zones from the ECP panel, the number of zones is displayed and incremented as **ZONE CT** (zone count).

Troubleshooting

Message	Meaning	Next Steps
PROGRAMMING	The communicator is attempting to configure ECP panel programming settings for ECP Passthru.	Wait for the configuration attempt to complete. Afterward, a programming status message is displayed (success, fail, or busy).
PROGRAM SUCCESS	The ECP panel has been successfully configured.	Finish configuration at **GET ZONES**.
PROGRAM FAIL	The ECP panel could not be programmed.	Check wiring connections and communication settings, then retry programming.
BUS IS BUSY	The ECP panel could not be programmed due to high ECP bus traffic.	Wait and retry programming or reduce traffic on the ECP bus, then retry programming.

Table 2: Programming Messages and Troubleshooting

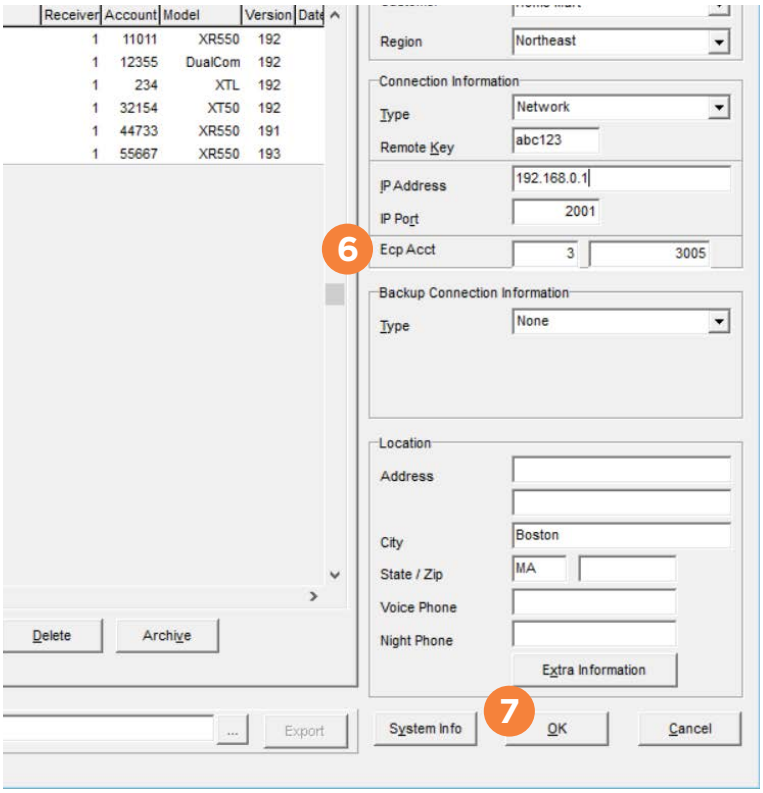
STEP 5: REMOTE PROGRAMMING

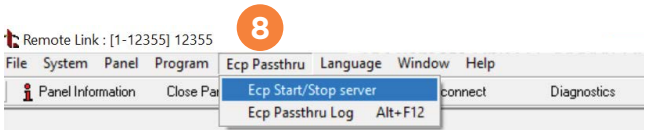
Starting with Remote Link™ Version 1.93, you can connect a customer's Honeywell VISTA® panel with CellCom, DualCom, or iComSL Series communicators using Honeywell's Compass® software and Remote Link.

Set up Remote Link

The following instructions assume that you already have a basic communicator account added to your Remote Link accounts. To enable ECP Passthru for that account, complete the following steps.

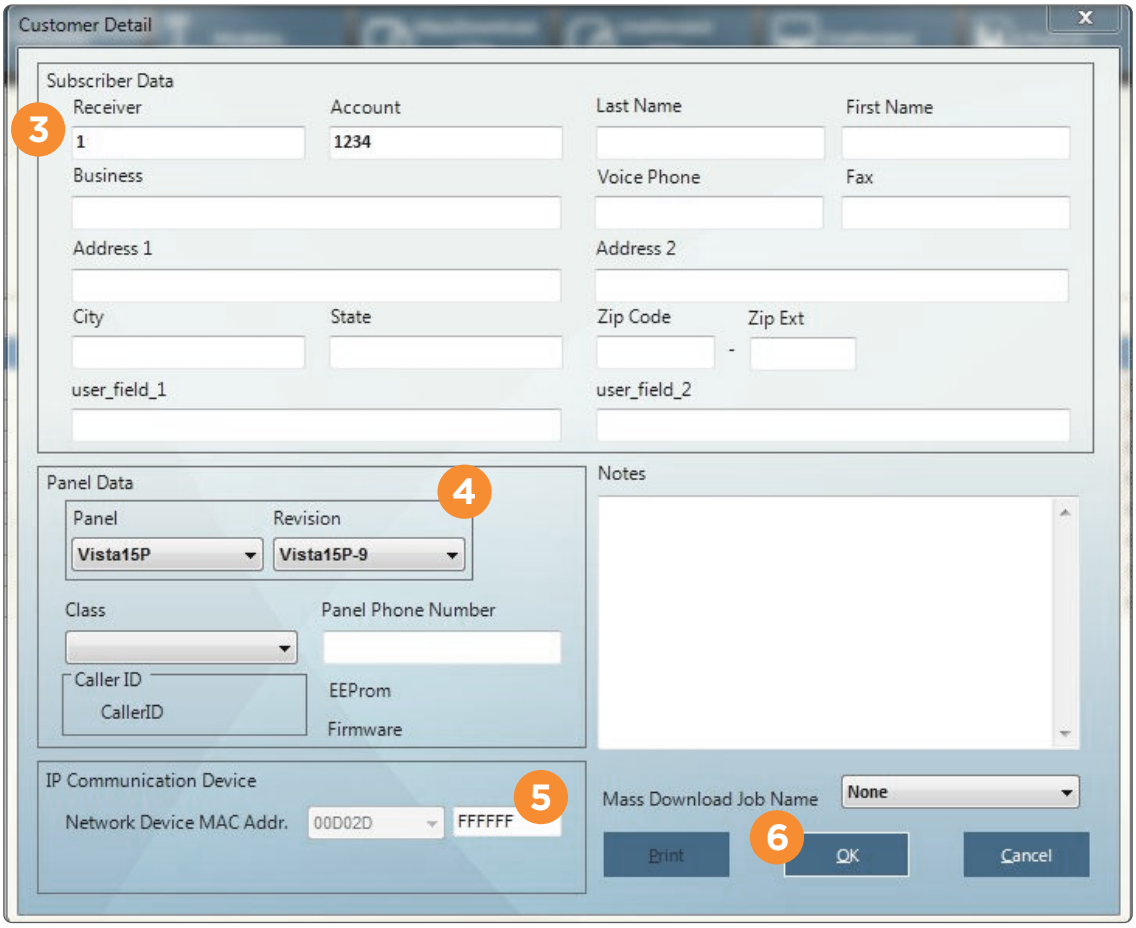
1. Right-click Remote Link and select **Run as administrator**.
2. Double-click the communicator account to open it.
3. Go to **Program > System Options**.
4. To enable communication, go to **Keypad input** and select **ECP**. Press **OK**.
5. Go to **File > Panel Information**.
6. In **Connection Information**, enter the VISTA account number in **Ecp Acct**.
7. Press **OK**.
8. Go to **ECP Passthru > ECP Start/Stop Server**.
9. Minimize Remote Link.





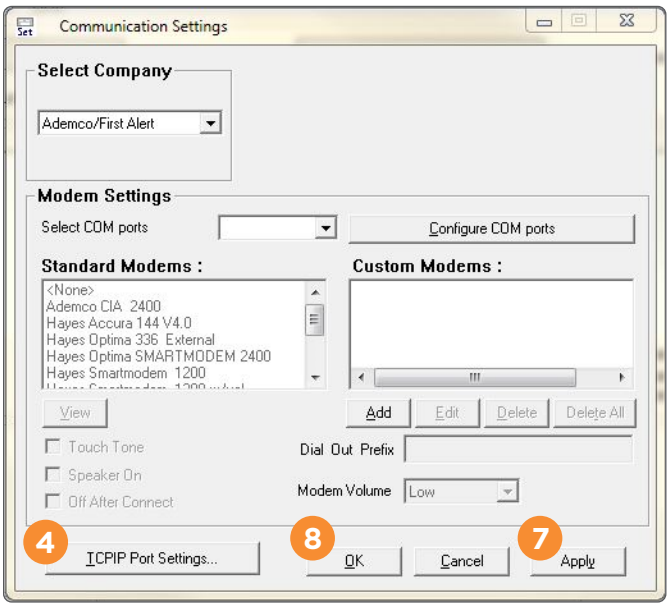
Add the VISTA Panel in Compass

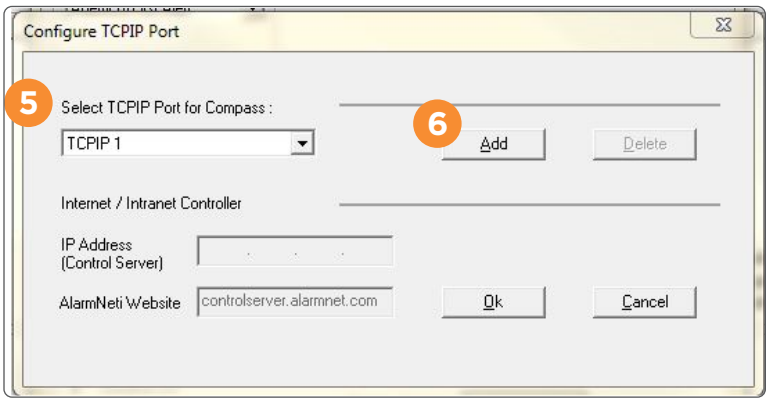
1. Open Compass.
2. In the lower right corner of the **Customers** page, select **Add**. The **Customer Detail** window opens.
3. In **Subscriber Data**, enter a **Receiver** number and **Account** number.
4. In the **Panel Data** section, select the VISTA panel model and revision number.
5. In **Network Device MAC Addr**, enter **FFFFFF**.
6. Press **OK**.



Set Up Communication in Compass

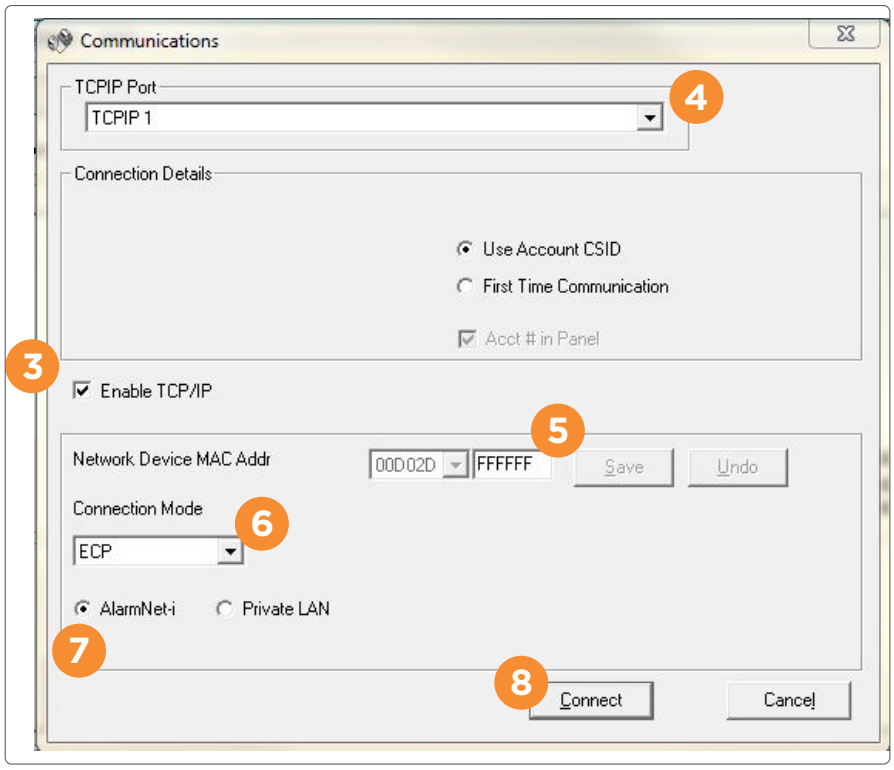
1. In **Customers**, double-click the account that you created in the previous section.
2. The Panel Editor opens. Go to **Tools > Communications**.
3. Go to **File > Communication Settings**.
4. Select **TCPIP Port Settings**.
5. To ensure that Compass uses a TCP/IP connection, select a TCP/IP port.
6. Press **Add**.
7. Back in **Communication Settings** window, select **Apply**.
8. Press **OK**.





Configure TCP/IP Settings in Compass

1. In the lower left corner of the **Compass Communication** window, press **Connect**.
2. A dialog pops up to notify you that communication settings must be configured. Press **OK**.
3. Select **Enable TCP/IP**.
4. In the **TCPIP Port** dropdown, select the appropriate TCP/IP port.
5. Ensure that the **Network Device MAC Addr** is **FFFFFF**.
6. In **Connection Mode**, select **ECP**.
7. Ensure that **AlarmNet-i** is selected.
8. Press **Connect**.



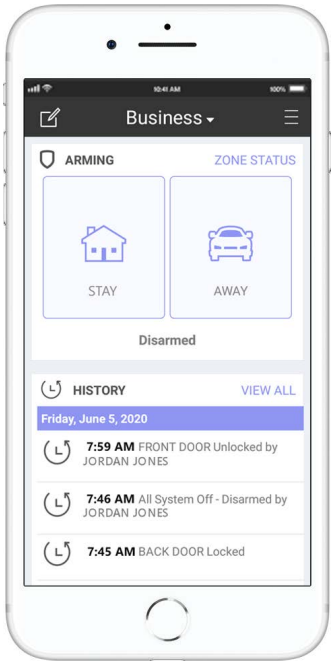
REFERENCE

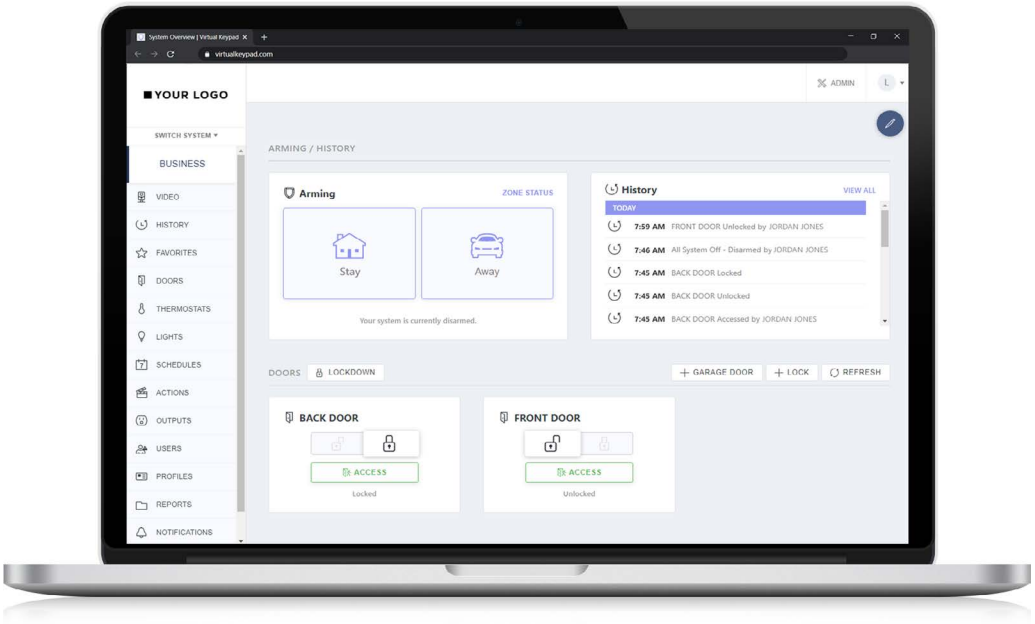
Virtual Keypad

Virtual Keypad enables users to manage their systems remotely, including arming, disarming, viewing zone status, bypassing zones, view history, manage users, and more.

To use Virtual Keypad for remote management, the configuration must meet the following conditions:

- ECP Panels must be programmed as Stay/Away for remote arming and disarming (No Partitions).





VISTA Panel Compatibility

Panel Type	ECP	Remote User Management	Remote Arming/Disarming	Remote Zone Status	Compatible with Compass
VISTA-10SE	Rev 15 or higher	No	No	No	No
VISTA-10P	Yes	Yes	Yes	Yes	Firmware version 2.0 or higher
VISTA-15	Yes	No	No	No	No
VISTA-15P	Yes	Yes	Yes	Yes	Firmware version 5.2 or higher
VISTA-20SE	Rev 12 or higher	No	No	No	No
VISTA-20P	Yes	Yes	Yes	Yes	Firmware version 5.2 or higher
VISTA-20PI	Yes	Yes	Yes	Yes	Firmware version 5.0 or higher
VISTA-21iP	Yes	Yes	Yes	Yes	Yes
VISTA-21iPLTE	Yes	Yes	Yes	Yes	Yes

Note: Vista 32, 40, 50, 128, 250 are not compatible with ECP Virtual Keypad and eSuite.

Designed, engineered, and manufactured in Springfield, MO using U. S. and global components.
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