

Troubleshooting

LED Status Lights:

Note that the BAT has a series of six LED lights that indicate the condition of the connectivity and activity.

Starting with the two LED indicators on the RJ45 Jack

- Green LED on the left ON means Ethernet Link
- Amber LED on the right shows Ethernet activity

If you are having trouble with the Ethernet Link, check for faulty wiring between the BAT and the Router/Hub. This only indicates connection to the network and not to the Internet.

'Network' LED – This LED will only illuminate upon a trouble condition.

If there is a problem with IP connectivity, this LED will blink with a pattern as outlined below:

1 Blink – There is a problem communicating with the IP network. Please check the Ethernet cabling between the BAT and the IP network modem / router / switch.

2 Blinks – There is a problem getting an IP address from the network. Please note that DHCP must be turned on for the BAT to receive a local IP address on the network and public DNS server addresses. A public and/or static address is NOT needed.

3 Blinks – There is a problem communicating with IpDatatel's network. This could be caused by faulty DNS servers being distributed to the BAT via the IP network's DHCP server or, if the IP network is complex or is heavily filtered, there could be a routing or filtering issue. Please contact IpDatatel if this is suspected.

4 Blinks – There is a problem with this particular BAT being granted access to IpDatatel's network. If you see this error, please call IpDatatel at 866-896-1818.

5 Blinks – BAT is not able to detect an alarm control panel. Please verify all wiring from BAT to the control panel, including keybus wiring and PC-Link connectivity, if applicable.

Other LED's on BAT:

'Signal' LED – When an alarm signal is generated by the panel, this LED will blink as it transmits the signal to IpDatatel's network and on to the Central Station, if applicable. The LED will go off only when the signal is acknowledged by the Central Station receiver or IpDatatel's network.

'Aux' LED – Not currently in use.

'Status' LED – This LED displays communications with the attached alarm panel. On Vista panels, this LED will blink rapidly. On GE and DSC panels, this LED will blink once every 10 - 20 seconds.

General Troubleshooting:

- I. Verify all wiring connections are terminated correctly according to the correct wiring diagram in the Installation Guide.
- II. Verify you have not exceeded the power supplies' rated capacity. Note that the BAT draws 120 mA of power, and must be powered off of the keybus.
- III. Verify all programming steps are correct according to the Installation Guide.
- IV. If BAT is unresponsive, try power-cycling the BAT by disconnecting the red keybus wire for 5 seconds. Please leave control panel on during this process.

FCC Warning / IC Statement

This device complies with Part 15 of the FCC Rules and with RSS-21 0, Issue 8 of Industry Canada. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Avertissement de la FCC / IC Déclaration

Cet appareil est conforme à la Partie 15 des règlements de la FCC et RSS-21 0, 8 e édition d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes:

- (1) Cet appareil ne doit pas causer d'interférences nuisibles et
- (2) Cet appareil doit accepter toute interférence reçue, y compris les interférences qui peuvent perturber le fonctionnement.

Note:

Cet équipement a été testé et trouvé conforme aux limites pour un dispositif numérique de classe B, conformément à la Partie 15 des règlements de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles dans une installation résidentielle. Cet équipement génère, utilise et peut émettre des fréquences radio et, s'il n'est pas installé et utilisé en conformité avec les instructions, peut causer des interférences nuisibles aux communications radio. Cependant, il n'existe aucune garantie que des interférences ne se produiront pas dans une installation particulière. Si cet équipement provoque des interférences nuisibles à la réception radio ou de télévision, qui peut être déterminé en mettant l'équipement hors tension, l'utilisateur est encouragé à essayer de corriger l'interférence par un ou plusieurs des mesures suivantes:

- Réorienter ou déplacer l'antenne de réception.
- Augmenter la distance entre l'équipement et le récepteur.
- Branchez l'appareil dans une prise sur un circuit différent de celui auquel le récepteur est connecté.
- Consulter le revendeur ou un technicien radio / TV.

Warranty Information

LIMITED WARRANTY: ipDatatel, Inc. (hereinafter referred to as "Seller"). Located at 13110 Southwest Freeway, Sugar Land Texas 77478, warrants its product to be in conformance with the product specification, and to be free from defects in materials and workmanship under normal use and service for a period of twelve (12) months from the date of original purchase. Seller's sole obligation shall be limited to repairing or replacing, at its option, free of charge for materials or labor, any product which is proved not to be within Seller's specifications of the Product, or proves defective in materials or workmanship under normal use and service. Any device purchased which is enclosed within a plastic case must remain in the plastic case for installation and regular use after installation. At no point should the device be removed and mounted without the plastic case, in doing so you may void the device warranty.

LIMITED LIABILITY: Seller shall have no liability or obligation under this Limited Warranty or otherwise for merchantability or fitness for any particular use; nor shall it extend its Limited Warranty, if the product is altered, or improperly installed, repaired, or serviced. There are no warranties, express or implied, that extend beyond those contained within this document. In no case shall Seller be liable to person or entity for any consequential any other basis of law or liability whatsoever, whether or not such loss or damage is caused by Seller's own negligence or fault. Seller does not represent that the Product may be compromised or circumvented, or that it will provide the service intended; or that the Product will prevent any personal injury or property loss by burglary, robbery, or otherwise; or that the Product in all cases will provide adequate warning or detection. Customer understands that a properly installed and maintained alarm system may only reduce the risk of burglary, robbery, or other such events occurring without providing an alarm, but is not insurance or guarantee that such will not occur or that there will be no personal injury or property loss as a result. Consequently, Seller shall have no liability for any personal injury, property damage or any other loss based on a claim that the Product or services there from, failed to give warning. However, if seller is held liable, directly or indirectly, for any loss or damage arising under this Limited Warranty or otherwise regardless of cause or origin, Seller maximum liability shall not in any case exceed the purchase price of the Product, which shall be the complete and exclusive remedy against Seller. This Limited Warranty replaces any previous warranty and is the only warranty made by Seller or this Product. No increase or alteration, written or verbal.

BAT Installation Guide



ipDatatel, Inc.

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Product Name: **IPD-BAT**

Notes for all manufacturers' control panels:

Signal Relaying: To relay signals from BAT to a Central Station, please go to 'AlarmDealer.Com' → 'Device Profile' for the specified BAT and enter the following information:

'Station Phone' = Central Station Receiver Number

'Caller Phone' = Caller ID information for tracking. IpDatatel recommends using the customer's main or cell phone number.

This step must be performed for signals to be sent to the Central Station. IpDatatel suggests a daily or weekly test signal be generated from the control panel to verify functionality of all related communication systems.

DSC Installation

The wired BAT connects to a DSC alarm panel using 4 conductor wires that go straight into the key-bus and has an ethernet cord going from the device itself to the customers modem, router, or switch.

The Green & Yellow coming from the panel are reverse on the BAT. (See Figure 1)

DSC Panel Wiring: Red, Black, Yellow, Green.

BAT Wiring: Red, Black, Green, Yellow.

DSC needs a PC-Link with red wire facing left on both sides of the the BAT device and Control Panel.

Vista Installation

The Wired BAT connects to a Vista alarm panel using 4 conductor wires that go straight into the key-bus and has an ethernet cord going from the device itself to the customers modem, router, or switch.

The Vista Panels uses 4 conductor wires. (See Figure 2)

Vista Panel Wiring: Black, Red, Green, Yellow.

BAT Wiring: Red, Black Green, Yellow.

GE Installation

The GE Panels uses 3 wires instead of 4. The yellow wire is not used for this panel.

GE Panel Wiring: Black, Red, Green, Yellow.

BAT Wiring: Red, Black Green, Yellow.

Once the BAT is connected, you must enter and exit programming mode. After you exit programming, the alarm panel will do an "auto enrollment process" where it searches for all connected devices. This could take up to two minutes.

The BAT should be one of the last items installed so the alarm panel does not try and pick up multiple BATs when only one is attached.

If the customer only wants to have access to a virtual keypad they are not required to do any programming.

If the customer wants access to the virtual keypad as well as the ability to send signals to the customer and/or the central station, then they must complete the programming for that panel, except for GE.

Vista Programming Guide

Standard Programming for a sole communicator.

Program Position *29: Enter 1

Program Position *43: Enter Account Number

Program Position *49: Enter 5

Program Position *54: Enter 0

Program Position *55: Enter 1

Program Position *65: Enter 1

Program Position *66: Enter 1,1

Program Position *193: Enter 10

Programming the BAT in use with another Communicator Device for Backup Reporting.

Make the following changes from the above programming.

Program Position *42: Enter Central Station Receiver Number.

Program Position *49: Please refer to panel manual for your application requirements.

Program Position *54: Enter 2

Programming the BAT in use with another Communicator Device for Dual Reporting.

Make the following changes from the above programming.

Program Position *42: Enter Central Station Receiver Number

Program Position *43: Enter Account Number

Program Position *49: Please refer to panel manual for your application requirements.

Program Position *54: Enter 0

DSC Programming Guide

Standard Programming for a sole communicator.

Section 015: Disable Option 7

Section 167: Set '060' Seconds

Section 301: Set 'DCAAF' *(First character 'D' is usually default, check panel manual)*

Section 310: Set 'six digit account number' *(1234FF if 4 digit account # is used)*

Section 350: Set '04' / '04'

Section 351: Enable Option 1

Section 359: Enable Option 1

Section 367: Enable Option 1

Section 375: Enable Option 1

Section 376: Enable Option 1

Section 380: Enable Option 1

Section 381: Disable Option 3, Enable Option 5

Section 382: Enable Option 5

Section 389: Set '003' Seconds

Programming the BAT in use with another Communicator Device for Backup Reporting.

Make the following changes from the above programming.

Section 015: If GSM, Disable Option 7. If Phone Line, Enable Option 7

Section 303: Set 'Central Station Phone #'

Section 350: Set '04' / '03 for ContactID, 04 for SiaFSK' (See GSM Manual or CS information)

Section 351: Enable Options 1,5

Section 359: Enable Options 1,5

Section 367: Enable Options 1,5

Section 375: Enable Options 1,5

Section 376: Enable Options 1,5

Section 380: Enable Options 1,5

Programming the WBAT Dual Reporting with another communication device.

Make the following changes from the above programming.

Section 015: If GSM, Disable Option 7. If Phone Line, Enable Option 7

Section 302: Set 'Central Station Phone #'

Section 303: Set 'Central Station Phone #'

Section 350: Set '04' / '03 for ContactID, 04 for SiaFSK' (See GSM Manual or CS information)

Section 351: Enable Options 1,2,5

Section 359: Enable Options 1,2,5

Section 367: Enable Options 1,5 (For Sending Open / Close to Central Station, Enable 2)

Section 375: Enable Options 1,2,5

Section 376: Enable Options 1,2,5

GE Programming Guide

As with existing devices in the NetworX family, BAT is automatically enrolled with the control panel when the panel exits programming mode. BAT registers as a keypad and a communications device on addresses 240 and 76, respectively. All signals are read directly from the panel memory, so any call directions and / or reporting codes programmed are specifically for other communication devices, such as the panel dialer. For Central Station monitoring, the account number for the customer MUST be entered into 'AlarmDealer.Com' -> 'Device Profile' and the box labeled 'Override Account No.' must be checked. If this is not done, all alarm signals sent to the Central Station will arrive with an incorrect account number attached. The BAT must be power-cycled after making this change.

Figure 1 - DSC Wiring Diagram

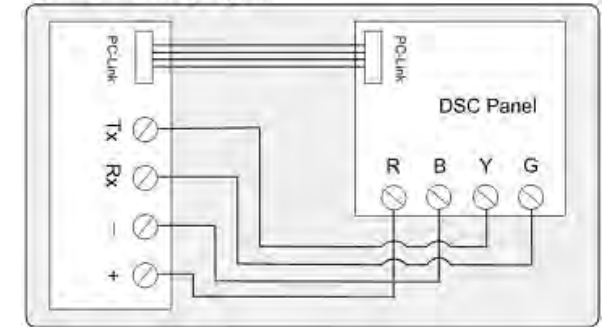


Figure 2 - Honeywell Vista Wiring Diagram

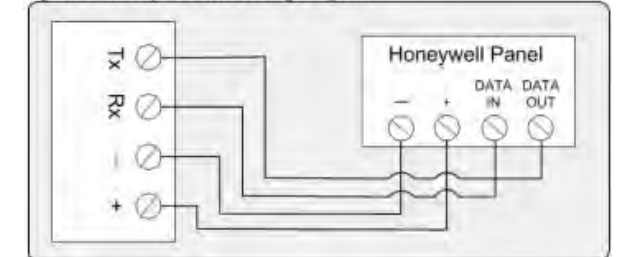


Figure 3 - GE NetworX Wiring Diagram

