

## Ins-40084-US Net2Air USB bridge - UL

### Technical Support



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Technical help is available: Monday - Friday from 02:00 AM - 8:00 PM (EST)

Documentation on all Paxton products can be found on our web site - <http://www.paxton-access.com/>

### Net2Air wireless communication

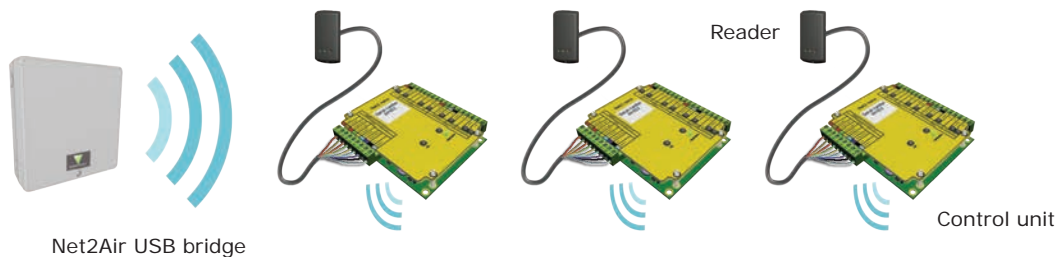
The access control unit connects to the Net2 software running on the PC using Paxton Net2Air proprietary wireless technology. A Net2Air bridge enables communication from the Net2 software to the Paxton wireless products.

Radio signals do not always behave as you might expect. For example, a cell phone that displays a full signal on one part of the site will lose signal completely only a few feet away. These problems can be addressed by using the Net2 site surveyor kit (690-200-US)

See also: [AN1095 - Net2 nano - How does it work? < http://paxton.info/974 >](http://paxton.info/974)  
[AN1096 - How to plan a Net2 nano installation < http://paxton.info/975 >](http://paxton.info/975)  
[Ins-30096-US - Net2Air site surveyor < http://paxton.info/1193 >](http://paxton.info/1193)

### Radio frequency

This product should not be installed within 10 feet of other wireless equipment operating on a 2.4Ghz frequency. To ensure optimum performance other wireless networks should avoid WiFi channels 11, 12 and 13 to reduce the possibility of interference.



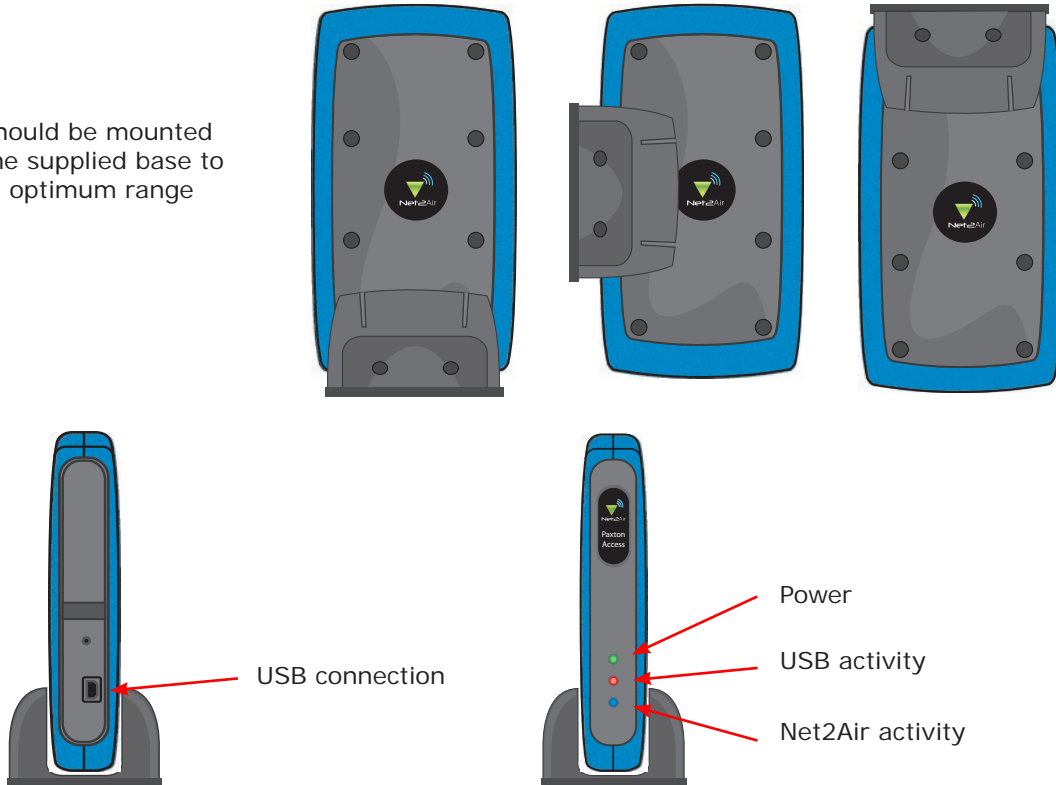
This unit is for supplemental use only, and is to be employed as a programming/downloading/monitoring tool only.

The unit will continue to operate in a 'standalone' mode if the PC is shut down. Any Events that occur during this period are stored in the unit and the PC is updated when it comes back on line.

Options	
Part number	Description
477-268-US	Net2Air USB Bridge

## Enclosure

The bridge should be mounted vertically in the supplied base to achieve the optimum range



This equipment must not be co-located with any other transmitter and must be used at a distance in excess of 20cm (7.9 inches) to the user.

The party that incorporates this equipment into another host device is responsible for verification of the emissions produced by the final product and must adhere to the limits specified in FCC Part 15.

Furthermore, a label must be applied to the exterior of the final product referring to this enclosed module, which states : "Contains FCC ID: USE477268"

For CAN/ULC-S319 installations, terminals, leads and wiring methods must comply with CSA, C22.1, Canadian electrical code, Part 1, safety standards for electrical installations.

The use of any add-on, expansion, memory or other module manufactured or supplied by the manufacturer's representative will invalidate the CAN/ULC-S319 certification.

Parts Kit	
Part number	Description
fk1-088	2 off - No8 x 1in pozi round woodscrew - zinc
	2 off - Wall plugs

## Power Supply

The power for the unit is supplied via the USB cable. No additional supply is required.

Wiring methods shall be in accordance with the National Electrical Code (ANSI/NFPA70), local codes, and the authorities having jurisdiction.

## Maintenance

Following the completed installation of this equipment, no further maintenance or testing is required.

It is advisable to ensure that any third party backup power supplies or recovery procedures are checked regularly to ensure that the operation of the Paxton system is not compromised.

# Installation

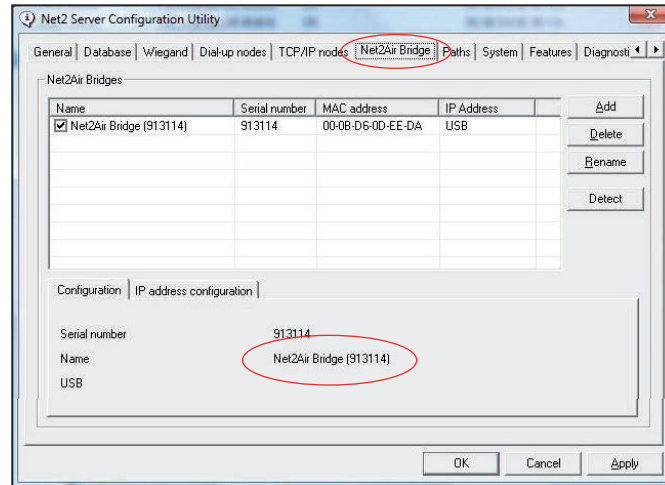
**This unit is for Indoor use only**

This unit is designed to connect to a USB port and supply the data at the required communications protocol necessary for Paxton Net2 equipment.

The converter is connected to the PC port with the supplied data cable.

The unit is supplied in a plastic housing with a clip-on mounting (See Enclosure section). Suitable fasteners; two screws and wall plugs are also provided if the base is to be fixed to a wall or ceiling.

Plug the device into a spare USB port on the PC. The bridge will be registered by the Net2 software automatically. This displays in the Net2 Server Configuration Utility/Net2Air bridge as a fixed IP entry.



## Specifications

System Specification			
	Min	Max	
ACU's per Net2Air bridge - Recommended	1	10	
Net2Air USB bridge per system		1	
Carrier frequency	2.405 GHz	2.475 GHz	
Net2Air wireless range to ACU		30 yds	
Electrical			
	Min	Max	
Voltage	4.75 V	5.25 V	USB certified
Current		100 mA	
Environment			
	Min	Max	
Operating temperature	0°C (32°F)	55°C (131°F)	
Waterproof			No
Dimensions			
	Width	Height	Length
	2 3/4 inch	7 3/4 inch	4 inch

This product is not suitable for retail sale. All warranties are invalid if this product is not installed by a trained technician.

## Product compliance and limitations

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

## FCC Compliance

This device complies with Part 15 of the FCC Rules. 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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.