	TransTech Systems, Inc. Toll Free: 1-888-VIDEO-ID	Phone: 503-682-3292 Fax: 503-682-0166	Wilsonville, OR 97070 www.tsys.com
---	--	--	---------------------------------------

Net2Air wireless communication

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

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

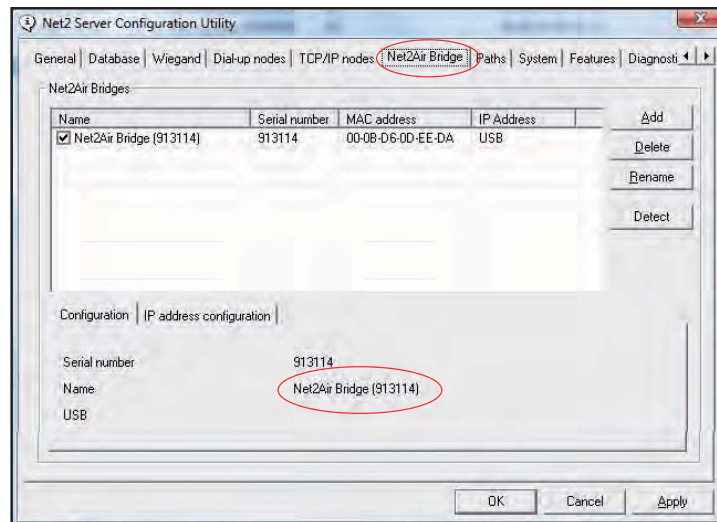
See also: [AN1095 - Net2 nano - How does it work? < http://paxton.info/974 >](http://paxton.info/974)
[AN1096 - How to plan a Net2 nano installation < http://paxton.info/975 >](http://paxton.info/975)
[Ins-30096 - Net2Air site surveyor < http://paxton.info/1015 >](http://paxton.info/1015)



Software - Requires Net2 v4.14 or later.

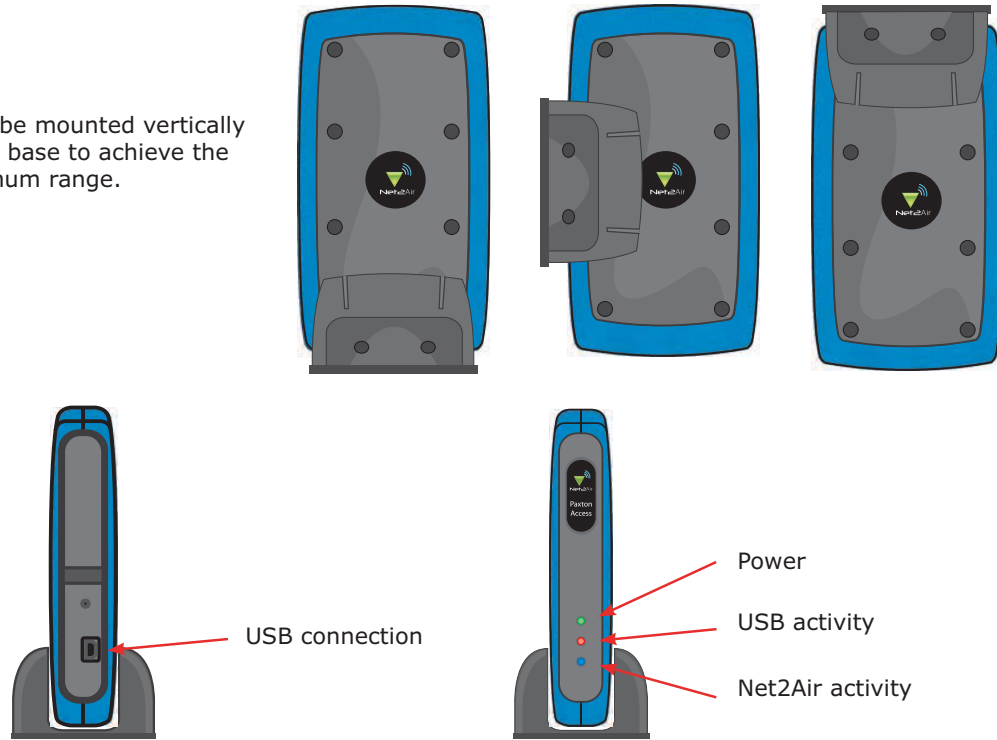
Software Configuration

Plug the device into a spare USB port on the PC. Restarting the Net2 server will then register the unit automatically in the Net2 software. This displays in the Net2 Server Configuration Utility/Net2Air bridge as a fixed IP entry.



Enclosure

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



Radio frequency

If you are experiencing problems with the range or reliability this may be due to poor nano / bridge positioning.

The unit is set to channel 11 (2.405 GHz) as this frequency is normally clear of other device transmissions. Technical Support can advise if you are concerned about interference from adjacent radio based (WiFi) equipment.

Specifications			
System Specification	Min	Max	
ACU's per Net2Air bridge - Recommended	1	10	
Net2Air USB bridge per system		1	
Carrier frequency			2.405 GHz
Net2Air wireless range to ACU		30 m	Typical 10 m
Electrical	Min	Max	
Voltage	4.75 V	5.25 V	USB certified
Current		100 mA	
Environment	Min	Max	
Operating temperature	-20 °C	55 °C	
Waterproof			No
Dimensions	Width	Height	Length
	70 mm	195 mm	100 mm

CE0889

The declaration of conformity is available on request. Contact details are provided at: <http://paxton.info/596>

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



TransTech Systems, Inc.
Toll Free: 1-888-VIDEO-ID

Phone: 503-682-3292
Fax: 503-682-0166

Wilsonville, OR 97070
www.ttsys.com