Smart Living without Interruption – How to make wireless connection as stable as hard-wired connection?

Summary: Netvox Cloud-Based Wireless IoT System enables you to enjoy uninterrupted smart living through:

1. Netvox IoT Device Monitoring and Management Platform,
2. Low-power and self-healing Zigbee wireless mesh network technology,
3. Netvox IoT controller that ensures high stability and reliability of the IoT devices.

Netvox Cloud-Based
Wireless IoT System enables
you to enjoy uninterrupted
smart living

Smart Home Total Solution

As IoT adoption grows, it's essential to have a stable smart home system while enjoying the convenience that the smart home devices brought to you. Although a hard-wired system is known for its signal stability and low interference, Netvox Cloud-Based Wireless IoT System enables you to enjoy uninterrupted smart living through:

1. Netvox IoT Device Monitoring and Management Platform,
2. Low-power and self-healing Zigbee wireless mesh network technology,

3. The IoT controller that ensures high stability and reliability of the IoT devices.

Check instant status update of the wireless IoT devices from Netvox IoT Device Monitoring and Management Platform to ensure high stability and reliability of the wireless system.

Imaginary scenario: Why isn't the appliance in the kitchen working? I was going to cook a special meal for my husband…

Why can't I turn on the light in the library? My kids have to study for the test tomorrow…

Why is there no sound on the home theater system? I was about to watch that movie with my best friend…

Should I contact the distributor for after-sale service? But what if they're too busy to come? What if the troubleshooting takes a lot of time? I still have so many things to do, and I don't want to waste the time and energy on waiting for the devices to be fixed. I just promised to celebrate my husband's promotion with him. My kids have to study for the exam, and I was talking about the new home theater system to my best friend. It's one disaster after another! What can I do now?

Don't worry!

How to make wireless connection as stable as hard-wired connection? In addition to the selection of the right wireless technology, you still need a cloud-based platform to monitor the wireless devices at home and collect stability-related data.
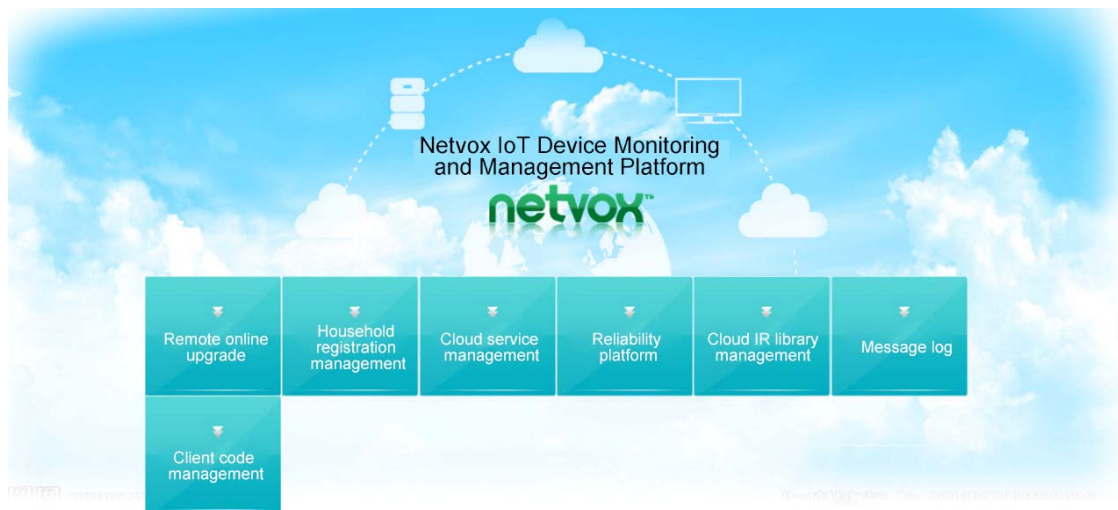
Netvox IoT Device Monitoring and Management Platform helps you ensure the stability and reliability of the wireless system by remotely monitoring the signal strength and state of the wireless devices at home. As soon as an issue is reported, our distributors are permitted to log in to Netvox IoT Device Monitoring and Management Platform for troubleshooting and facilitate the after-sale service.

Back to the imaginary scenario. Once you receive the customer's request and log in to Netvox IoT Device Monitoring and Management Platform, you find that the gateway that manages those reported devices is offline. The customer might have

accidentally removed the plug, and she didn't check her mobile phone for push messages on system failure, either. Everything is solved with a phone call after the gateway is plugged in. You don't have to send technicians to the customer's home and thus saved a lot of time and money for after-sale services.

In addition to the detection of an offline gateway, Netvox IoT Device Monitoring and Management Platform, working with Netvox app, can also timely detect issues such as poor signal strength and low battery and provide solutions as quickly as possible.

Netvox IoT Device Monitoring and Management Platform allows authorized staff to manage the system such as remotely check the current state of wireless IoT devices and update the firmware.

List of all users: You can search the users by entering keywords or selecting from the global map.

map distribution　　　key words　🔍 search

House statistics： on line:137 off line:1511

connection status	district	name of house	HouseIEEE	customer code	IPK version			registration date	Final respond time
+ ●	Taiwan	00137A000002ADE5	00137A000002ADE5	N20	0.0.0.1	upgrade	restart	2016-01-26 16:51:01	2016-01-29 08:35:04 >>
+ ●	Taiwan	00137A000002adef	00137A000002ADEF	N20	0.0.0.1	upgrade	restart	2016-01-26 10:34:02	2016-01-29 08:35:04 >>
+ ●	Xiamen	00137A000002CCA3	00137A000002CCA3	Netvox	0.0.0.1	upgrade	restart	2016-01-22 14:04:23	2016-01-29 08:35:04 >>
+ ●	Xiamen	QC6F	00137A00000207A5	Netvox	0.0.0.166	upgrade	restart	2016-01-21 10:17:14	2016-01-29 08:37:17 >>
+ ●	Xiamen	00137A000002049A	00137A000002049A	CG6	0.0.0.162	upgrade	restart	2016-01-12 13:41:05	2016-01-29 08:35:04 >>
+ ●	Xiamen	00137A00000203F7	00137A00000203F7	NTX	0.0.0.162	upgrade	restart	2016-01-04 13:01:01	2016-01-29 08:35:04 >>
+ ●	Xiamen	00137A000002048B	00137A000002048B	CS6	0.0.0.162	upgrade	restart	2015-12-17 14:36:12	2016-01-29 08:35:04 >>
+ ●	Xiamen	00137A0000020470	00137A0000020470	CS9	0.0.0.162	upgrade	restart	2015-12-03 17:01:24	2016-01-29 08:35:04 >>
+ ●	Xiamen	00137A0000020490	00137A0000020490	CS9	0.0.0.162	upgrade	restart	2015-12-02 16:42:07	2016-01-29 08:35:04 >>
+ ●	Xiamen	00137A0000023F01	00137A0000023F01	Netvox	0.0.0.38	upgrade	restart	2015-12-02 13:24:25	2016-01-29 08:35:04 >>
+ ●	Xiamen	00137A000002079C	00137A000002079C	CW3	0.0.0.162	upgrade	restart	2015-11-20 09:02:21	2016-01-29 08:35:04 >>
+ ●	Xiamen	00137A000002040F	00137A000002040F	NTX	0.0.0.162	upgrade	restart	2015-11-03 10:59:03	2016-01-29 08:35:04 >>

Feature: Check the current state of all wireless IoT devices in a specific user's home.

🔍 search

device status list　operating history list　alarm history list　network communication quality list　monitor log list　message/mail setting

device statistics： on line:13 off line:0　　　derived deveice list >>

device status	name of device	IEEE & EP for device	date of software	device properties report	
●	Combined Interface	00137A00000207A0-0A	20150306	Coordinate	>>
●	Z502A	00137A0000025081-01	20150715	no report	>>
●	Z311J	00137A0000021CAD-01	20150128	no report	>>
●	Combined Interface	00137A000002ADDF-0A	20150306	Coordinate	>>
●	Z307	00137A0000025095-01	20150210	have a heart	>>
●	ZB02I	00137A000001604E-01	20150104	have a heart	>>
●	Z716A	00137A000001DD96-0A	20150119	no report	>>
●	Z311J	00137A0000021CAD-02	20150128	have a heart	>>
●	Z211	00137A000001AE17-01	20150209	Router	>>
●	Z809A	00137A000001D1A4-01	20141120	Router	>>
●	Z108	00137A0000025077-0A	20150306	Coordinate	>>
●	Z602A	00137A000001679B-01	20141119		>>

device status	name of device	IEEE & EP for device	date of software	device properties report	
🔴	Z308	00137A0000016978-01	20141218	off line	>>
🔴	Z809A	00137A000000BFF8-01	20141120	off line	>>
🔴	ZB11B	00137A000001B45B-01	20141223	off line	>>
🔴	ZB02C	00137A00000164C4-03	20150104	off line	>>
🔴	ZC07	00137A000001C324-01	20141103	off line	>>
🔴	Z211	00137A000001B286-01	20140121	off line	>>
🔴	ZB02C	00137A00000164C4-02	20150104	off line	>>
🔴	Z809A	00137A000000C059-01	20141120	off line	>>
🔴	ZB02C	00137A00000164C4-01	20150104	off line	>>
🔴	ZC07	00137A000001C21C-01	20141103	off line	>>
🔴	Z312	00137A00000159DF-01	20141114	off line	>>
🟢	Z716A	00137A0000014344-0A	20141217	hum : 40.950001	>>
🟢	Z203	00137A0000012D2C-0A	20141201	Coordinate	>>

device statistics: on line:8 off line:11   derived deveice list >>

Tabs: device status list | operating history list | alarm history list | network communication quality list | monitor log list | message/mail setting

Feature: View the operating record of every device and help authorized staff detect misoperations.

Current position: house situation>>00137A000002CCA3 device status list   search

name of action	name of device	IEEE address	more operations	operator	operating time ↓
GetArmMode	Z108A CWSHC1	00137A000002CCA3-0A	choose	shcadmin	2016-01-25 08:15:00
GetArmMode	Z108A CWSHC1	00137A000002CCA3-0A	choose	shcadmin	2016-01-25 08:14:58
GetArmMode	Z108A CWSHC1	00137A000002CCA3-0A	choose	shcadmin	2016-01-25 08:14:58
GetArmMode	Z108A CWSHC1	00137A000002CCA3-0A	choose	shcadmin	2016-01-25 08:08:38
close	Z831C 3rd output1	00137A000002D1BA-03	choose	shcadmin	2016-01-25 08:08:32
close	Z831C 2nd output1	00137A000002D1BA-02	choose	shcadmin	2016-01-25 08:08:31
close	Z831C 1st output1	00137A000002D1BA-01	choose	shcadmin	2016-01-25 08:08:27
open	Z831C 1st output1	00137A000002D1BA-01	choose	shcadmin	2016-01-25 08:08:26
open	Z831C 2nd output1	00137A000002D1BA-02	choose	shcadmin	2016-01-25 08:08:25
open	Z831C 3rd output1	00137A000002D1BA-03	choose	shcadmin	2016-01-25 08:08:24
GetArmMode	Z108A CWSHC1	00137A000002CCA3-0A	choose	shcadmin	2016-01-25 08:08:13
GetArmMode	Z108A CWSHC1	00137A000002CCA3-0A	choose	shcadmin	2016-01-25 08:08:09

Feature: Check the signal strength and connection state of every device.

| device status list | operating history list | alarm history list | network communication quality list | monitor log list | message/ mail setting |

communication status: normal:27 abnormal:0

communication status	name of device	network role	IEEE address	name of target device	IEEE address of target device	LQ threshold value	time
●	ZC07 Dimmer light1	router	00137A000001C148	Z831C 3rd output1	00137A000002D1BA	235	2016-01-25 23:06:30
●	Z831C 3rd output1	router	00137A000002D1BA	ZC07 Dimmer light1	00137A000001C148	254	2016-01-25 23:06:23
●	Z831C 3rd output1	router	00137A000002D1BA	Z108A CloudBased Wireless	00137A000002CCA3	254	2016-01-25 23:06:23
●	Z602A Siren1	router	00137A0000016838	Z831C 3rd output1	00137A000002D1BA	254	2016-01-25 23:06:16
●	Z602A Siren1	router	00137A0000016838	ZC07 Dimmer light1	00137A000001C148	252	2016-01-25 23:06:16
●	Z602A Siren1	router	00137A0000016838	Z108A CloudBased Wireless	00137A000002CCA3	254	2016-01-25 23:06:16
●	ZC07 Dimmer light1	router	00137A000001C148	Z108A CloudBased Wireless	00137A000002CCA3	254	2016-01-25 23:05:15
●	ZC07 Dimmer light1	router	00137A000001C148	Z831C 3rd output1	00137A000002D1BA	237	2016-01-25 23:05:15

Feature: Change the mobile phone number and email address to receive alerts and messages.

| device status list | operating history list | alarm history list | network communication quality list | monitor log list | message/ mail setting |

warning number management [   ] add
cell phone number   operate

warning email address management [   ] add
email address   operate

Zigbee: Low-power and self-healing wireless mesh network technology

Zigbee is an IEEE 802.15.4-based specification that is low-speed, low-power, low-cost and low data rate. In a traditional wireless local area network, if one node fails, the entire network fails. The mesh network is not dependent on the performance of a single node because each node has one or several data transmission path. If a node fails or is affected by the disturbance, the data packet will automatically find an alternate path for transmission. It will not affect the operation of the entire network.

Netvox Cloud-Based Wireless IoT System is based on the self-healing Zigbee wireless mesh network technology that always maintains the most efficient and stable communication state and minimizes the network signal instability, so you can enjoy uninterrupted smart living.

The IoT controller that ensures high stability and reliability of the IoT devices

Netvox IoT controller is a smart gateway between the cloud and wireless IoT devices. As the hub device, it transmits data with the other devices wirelessly. The smart plugs, lighting controllers and sensors communicate with the cloud through the IoT controller so as to maintain optimal network operation.

But what if there the internet service is down? Will these smart IoT devices still work? Yes! Even if there is no internet connection, Netvox IoT controller is still functional as

the Zigbee coordinator that continues to manage the other devices, and the network will function without any problem. As a result, you can always enjoy the comfort and convenience that the smart IoT devices brought to you with or without internet.

Netvox Technology Co., Ltd.
No. 21-1, Sec. 1, Zhong Hua West Rd., Tainan, Taiwan
TEL: +886-6-2617641
FAX: +886-6-2656120
www.netvox.com.tw

Wechat

LoRa

zigbee alliance member

Netvox Smart Butler   Netvox Smart Life