



Portable ZigBee Field Signal Meter

Z716S Video Clip: <http://www.tudou.com/programs/view/kRSgkmNO2OI/>



There is a close relationship between the signal strength of smart IoT devices and the quality level to put Smart IoT into practice. For most of the time, users may overlook the reliability of the RF signal in the surrounding or choose an inappropriate installation site that will bring about the problems of insensitiveness of use, lose of signal, and drop of communication speed etc.!

To solve this kind of problems, Netvox R&D team meticulously develops this portable ZigBee based field signal meter in order to detect the signal strength in a ZigBee network. By means of Z716S, users can proceed devices installation and issue commands on purpose.



No Need to Join in the Network, Good for ZigBee Protocols among Different Manufacturers

Unlike other smart IoT devices, Nevox Z716S needn't join a network in advance to make it work. Users can detect ZigBee RF signal in the proximity at any time with Z716S and it can apply to any ZigBee protocols, such as ZHA or ZLL.

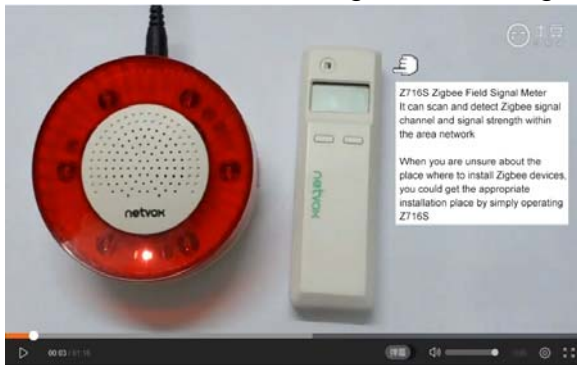


Precisely Detect ZigBee Router Signal Strength in the Proximity: Practical and Efficient

What concerns the users the most is when they install ZigBee smart devices, where can they find the most appropriate place for installation? With Z716S, users can test and check environmental RF channel signal to determine signal strength and select the best place for devices installation.

What's for more, should there's a ZigBee device dropped out the network, as soon as APP push notification is received, users can detect the signal strength

where that device was located with Z716S to efficiently determine whether the root cause is the weakened signal strength or a failure happened to the device. This saves time and effort on sorting out the problem and users are able to correct it with the right solution right away.



Scan RF Channel Signal Strength



Detect Signal Strength of the Coverage



LCD shows the Strongest RE Channel and Signal Strength



Short Press "Setup Key"



LED of the ZB Device Goes Out when it's not in Working Mode




Short Press "Binding Key"

LCD Indicates the Signal Strength of the chosen RF Channel



Easy on Operation, Available at Anytime

Three steps to operate Z176S: Power on → Manually Turn it on → Key Instruction.

Z716S is a power-saving device and it will show  after powering on with AA Alkaline batteries. If there is no other operation, it will turn off backlight and enter into sleeping mode. To manually turn on Z716S, press “Setup Key” or “Binding Key” once. After turning on Z716S, it will show its previous result.

Z716S is able to detect and scan area network channel and signal strength

1. Scan signal channel

Press once “Setup Key”, LCD display will show “- - - -” to start to detect 16 channels. After 9 seconds, it will show the channel with strongest signal and the signal level.

2. Detect signal strength

Press once “Binding Key”, LCD display will show “- - - -” to start to scan current channel according to result of “1.Scan signal channel”. After 3 seconds, LCD display will show signal level in current channel. (If Z716S does not go through “1.Scan signal channel”, LCD display will show “FAIL”)

Note. Z716S will not respond when users press scanning keys during the time of channel scanning and when LCD display shows “- - - -”.

After Z716S has done scanning signal strength, LCD display will show the result for 6 seconds and enter sleeping mode if there is no more operation.



Concise LCD Interface, Clear to Sight

There are 4 digit displays in Z716S. The initial means channel number; the second digit means signal strength level; the third digit does not show; the fourth digit shows “Y” or “N”.

Initial (signal channel) : 0-9, A-F, correspond 11th -26th channels.

The second digit (signal strength level):

Rssi	<-85	>-85	>-75	>-70	>-65	>-60	>-55	>-50	>-45	>-39
Signal Level	0	1	2	3	4	5	6	7	8	9

The third digit : does not show

The fourth digit : “Y” shows strong signal (level 3~9), “N” shows weak signal (level 0~2)

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