



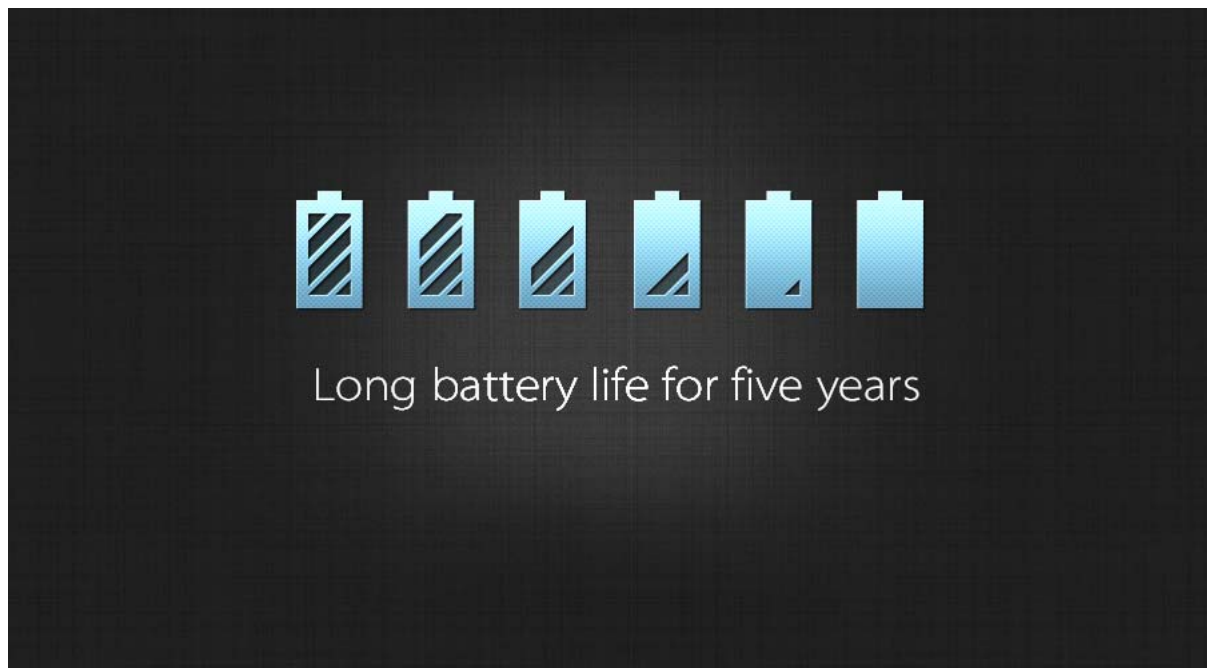
Long battery life for five years, wonderful using of Netvox Smart Home hardware!



Battery widely used in mobile phones, laptops, tablets, and other home equipments, could implement electrical equipment power supply, and to maintain the normal operation of equipment. The length of battery life directly affects the operation of equipment and the duration of the user's feedback. A long battery life of the device can be closer to the actual needs of users, in particular, increasing emphasis on the smart of the public products, longer battery life, closer to the concept of energy saving requirements of smart.

At present, the main factors that affect battery life, including ambient temperature, discharge frequency, depth of discharge, charging voltage. Therefore, the battery life of the device hardware characteristics and use of the environment itself has a great

relationship. Netvox Smart Home Hardware has low energy consumption, long battery life, green features.



Careful planning, five years long battery life is the truth

Netvox Smart home hardware using the world's latest wireless sensor technology at IEEE802.15.4 standard, based on ZigBee ZA Profile V1.2 design, integrating the most current high-tech big data cloud computing, mobile Internet communications, wireless sensor network, products high-quality performance. Under these conditions, the battery life Netvox products are considerable. Unlike some other manufacturers, most of which battery life is an estimate calculated subjective battery life, Netvox products are rigorously tested and actually calculated. Netvox smart products such as Z311 series, Z312 batteries use button batteries, each product have been tested after the day to day control of the actual testing, on the basis of existing test data and 2.2V low voltage alarm condition, the class can be released at the battery used all have 5-year long life.

Ensuring sleep current continuously without a major current and other unusual circumstances, under using environment appropriate test environment, we use single button batteries, and daily artificially triggering smart products such as Z311 series, Z312 control switch 10 times can be obtained discharge test data reports. Such as,

the voltage test reports of Z311A, Z311B, Z312 shown in Table 1 (here, we intercept continuous testing result as the reported monthly presentation)

Table 1 Voltage Test Report

Z311A, Z311B, Z312 Voltage Test Report			
Model	Z311A	Z311B	Z312
Days	Voltage Test Recode (1# PM2 Model)		
1	3.23V/3.23V	3.23V/3.24V	3.24V/3.24V
29	3.07V/3.08V	3.16V/3.17V	3.15V/3.16V
57	3.05V/3.06V	3.15V/3.16V	3.13V/3.14V
92	3.04V/3.05V	3.13V/3.14V	3.10V/3.11V
121	3.03V/3.04V	3.12V/3.13V	3.09V/3.10V
148	3.01V/3.02V	3.07V/3.08V	3.05V/3.06V
176	3.00V/3.01V	3.06V/3.07V	3.04V/3.05V
211	3.01V/3.02V	3.06V/3.07V	3.04V/3.05V
239	3.03V/3.04V	3.07V/3.08V	3.06V/3.07V
267	3.04V/3.05V	3.08V/3.09V	3.07V/3.08V
302	3.04V/3.05V	3.09V/3.10V	3.07V/3.08V
330	3.04V/3.05V	3.09V/3.10V	3.07V/3.08V
358	3.04V/3.05V	3.05V/3.06V	3.05V/3.06V
393	3.05V/3.06V	3.08V/3.09V	3.08V/3.09V
421	3.05V/3.06V	3.09V/3.10V	3.08V/3.09V
449	3.03V/3.04V	3.09V/3.10V	3.06V/3.07V
477	3.03V/3.04V	3.08V/3.09V	3.06V/3.07V
512	3.01V/3.02V	3.05V/3.06V	3.03V/3.05V
540	3.01V/3.02V	3.05V/3.06V	3.03V/3.05V
582	3.00V/3.01V	3.05V/3.06V	3.00V/3.02V
610	3.03V/3.04V	3.07V/3.08V	3.05V/3.06V
645	3.04V/3.05V	3.08V/3.09V	3.06V/3.07V
673	3.04V/3.05V	3.09V/3.10V	3.07V/3.08V
680	3.05V/3.06V	3.09V/3.10V	3.07V/3.08V
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Note: The actual using test based on 10 times a day. Actually use of a CR2450 batteries to do discharge test, then the test results the total number of days * 2.

Table 1 Voltage Test Report data shows that these products have been working 680 days normally, that the battery has been used for about 1.9 years. And when such products voltage $\leq 2.2V$, low voltage, that battery can not be normal power supply. From Table 1, the data available, these products are be used for 680 days, but the voltage is 3.05V, which is a low voltage 2.2V boundaries there is a certain distance, so you can analogy, these products use single button cell battery life up to 2.5 years, or even longer. Provided to the user of such products actually used two button batteries, therefore, based on single button battery test results and so on, the battery life of up to at least five years.

Prompt:

1. the product shows a low voltage in the course of using, APP will issue a low voltage reminder message. Even if there is a low voltage, the device will continue to operate until the battery voltage drops below the wafer completely unable to work up to, but no specific duration guarantee, in order not to affect the normal operation of the device, the user needs to immediately replace the battery.
2. the battery life is also affected by the using environment, and to avoid use of the product under wet, high temperature and other environmental conditions to ensure that the products to achieve the best results.

Note: The actual using testing based on 10 times a day. Actually use a CR2450 batteries to do discharge test, then the test results the total number of days * 2.



Overcome all sorts of troubles & difficulties, highest competitor on the market

The reason that Netvox Z311 series and Z312 have over 5 years long battery life, not only the product itself using the latest high-technology in Research & Design, but also closer to the user's needs in its design, the use of limited product design space inside and outside, to achieve practical effect is maximized.

Two button batteries random mini portable, five long battery life of five years, energy consumption is small, easy to achieve the initial target of smart. This is compared with other brands on the market, having a competitive advantage. For example, Mi security outfits also contain window sensor, although it is appearance and size as Netvox Z311A, Z311J etc. almost the same, but the 2-year battery life is far away to keep up with the actual needs of users. The Netvox window sensor design not only comparable to similar products on the market to meet the product space accounted bit small, easy to use and other user needs, but also has a battery life of more than five years, to ensure that users do not need to frequently replace the battery, dispense with the use of a series of troubles, to use state optimization. For added convenience, Netvox window sensor has a variety of models, users can choose to meet their needs. In addition, the wireless switch without adapter in current market, is a use of the mechanical energy of the magnetic field generated as the power supply, ie the switch trigger coil produces a weak current through the mechanical hand, the use of the electromagnetic field power supply. But the existence of this switch obvious flaws, it not only requires the user to press the trigger switch hands, and can only be achieved on and off two state, which produces a current sensing range is only about 10 meters to 20 meters. Also, it is easy to switch mechanical damage, also the longest service life only for 3 years. Netvox products not only support manual or APP wireless control switch, and to achieve open and close, triggering the interlocking equipment and many other features. On the wireless sensing range, Netvox products can achieve more than 100 meters from the sensor control, and has a 5-year battery life, far more than the effect of such switches. Visible, a good product, product technology, product design, product requirements, etc. can have a competitive advantage, not only refers to the beautiful design, or an high-tech applications.

Of course, Netvox series has a long battery life products not only stay in the Z311 series and Z312, the products compared with conventional smart of many similar products on the market, still has excellent advantages. For the future, more low energy green intelligence products also will be released soon.

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Netvox Smart Butler



Netvox Smart Life

