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CHARACTERISTICS OF THE MODERN WIRELESS COMMUNICATION SYSTEM

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Annotatsiya: Mazkur maqolada zamonaviy simsiz aloqa tizimining xususiyatlari, Favqulodda signal funktsiyasi, Zamonaviy simsiz aloqa tizimi dispetcherlik stantsiyasi, o'rni uzatish stantsiyasi, quvvat taqsimlagichi, ulagich, splitter, kombinator, signal uzatgich kuchaytirgichi, dispetcher signalini bog'lash dasturi haqida ma'lumotlar berilgan.

Kalit So'zlar: antenna, GPS, skaner, dispetcher, patrul punkti.

Abstract: In this article, the features of the modern wireless communication system, Emergency alarm function, Information about the modern wireless communication system dispatch station, relay transmission station, power distributor, connector, splitter, combiner, signal transmitter amplifier, dispatcher signal linking program given

Key Words: antenna, GPS, scanner, dispatcher, patrol station.

Аннотация: В данной статье характеристика современной системы беспроводной связи, функция аварийного сигнала, информация о современной системе беспроводной связи, диспетчерская станция, ретрансляционная станция, распределитель питания, соединитель, разветвитель, сумматор, усилитель передатчика сигнала, диспетчерская связь сигнала данная программа

Ключевые Слова: антенна, GPS, сканер, диспетчер, патрульный пост.

INTRODUCTION

With the development of wireless communication technology, modern buildings usually have complex structures and the walls have a large signal screen. A hand-held two-way radio cannot meet the calling requirements, and blind spots appear in large areas. People have put high demands on building-quality signal quality, call security, system capacity and other issues of wireless communication.

As an integral part of civil engineering, the building wireless communication system has become a digital communication system after several generations of technical improvement and innovation, using digital relay technology, low-power antenna, multi-point distribution and full-field signals. It facilitates the daily work of the enterprise with a guarantee of stable communication and a comprehensive dispatching function. It plays the role of unified dispatch and command and centralized distribution of resources in the event of emergency and unexpected events, and is widely used in many areas of various industries.

Equipped with a smart lithium battery, it has a longer talk time and an automatic repair function, which is more convenient to use.

Larger and more efficient frequency: use only 12.5kHz channel spacing

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frequency.

A digital controller is the equivalent of two analog repeaters that allow two analog people to talk at the same time. With this feature, it is possible to set up a channel that covers financial costs, and the security service uses other groups, so that the communication between the two groups does not interfere with each other, even when different groups are talking to each other.

REFERENCES AND METHODOLOGY

High waterproof and explosion-proof models: waterproof and can work normally in rainy or harsh environments, ensuring trouble-free communication even in the most severe conditions. Selection of explosion-proof models ensures the safety of production and rescue personnel on site.

Digital-to-analog two-way mode operation ensures compatibility with analog two-way radios: Handheld radios and radios are compatible with both digital and analog modes, allowing handheld radios and radios to communicate with other units or organizations in a timely manner. makes it easier.

Built-in radio GPS positioning function: The leader or dispatcher can check the location of each vehicle and know everyone. Two-way radio monitoring function: the dispatcher or leader can open the target two-way radio by sending instructions to monitor the live activities of members.

RESULTS

Two-way radio check function: the dispatcher can check the two-way radio of the unanswered member, and immediately remind the absent members to turn on the two-way radio to ensure that each member can communicate smoothly in the tasks.

With emergency alarm function: When a team member is in an emergency situation, just press the emergency button, the dispatch center can receive the distress signal and know the member's exact location via GPS to facilitate the emergency rescue of other members; The dispatcher can monitor live events through the two-way radio tracking function.

Short message support: Support center dispatchers send or receive commands or calls via SMS.

Secure call: The inherent security of digital encryption technology prevents criminals from using the scanner to eavesdrop. When an illegal user checks, he can only hear that the channel is working and the content of the call count, which gives full assurance to the legitimate employees in the group. Other members cannot listen in during the call, which ensures the security of internal calls.

With wireless Bluetooth and wireless headset to answer calls.

The two-way radio has a wireless patrol function, which allows you to detect and identify the punch at the patrol point.

CONCLUSION

Modern wireless communication system dispatch station, relay station, power distributor, connector, splitter, combiner, signal transmitter amplifier, dispatcher signal link software, digital two-way radio, headset, patrol station, mobile radio, mobile radio antenna, consists of a guiding ceiling. antenna and other equipment and RF cable and high frequency connector. The system should be easy to expand, reliable and easy to maintain.

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