

NR800P

Relay Forwarding Console

NR800P is an excellent design, stable performance of AD homing forwarding station, built-in 10000mAh large capacity battery, using the same frequency transfer technology, through the linear, chain, network, tree and other networking mode to transfer the handheld radio signal, support 24 hours X365 days continuous uninterrupted work. The whole machine cast aluminum structure design, IP68 dustproof and waterproof, suitable for tunnel, subway, multi-layer underground, floor barrier and other network blind area environment caused by occlusion, shielding and other reasons.

**RATED
IP68**

FRS/GMRS/RMR446



NAVARRETE COMUNICACIONES SPA

Characteristic

- Chain networking mode
 - Tree networking mode
 - UHF full band
 - Encryption Settings
 - Group call mode
 - Relay light
 - Digital signal sound quality
 - Alarm setting
 - 110~230V input
 - Uninterrupted work
 - Configuration increase
 - Universal N connector antenna
 - Customizable frequency points
 - A variety of wall hanging accessories
- | |
|-----------------------------|
| Mesh networking mode |
| AD hoc switch |
| Digital noise reduction |
| Single call mode |
| Multicolor LED |
| Real-time relay |
| Device ID |
| Multiple installation modes |
| One-button switch |
| 3.5A current supply |

Main function

- **Same frequency relay, real-time forwarding**
Using the same frequency transfer technology, the signal is transmitted in real time at the same frequency point while receiving the signal; As long as the power supply is connected, the relay mode is turned on, and there is a visible LED indicator below the fuselage to represent the forwarding state.
- **Intelligent networking, unlimited series**
Support 32 fixed stations continuous relay, can be linear networking, chain networking, mesh networking, tree networking and other methods, through the algorithm to distinguish the relationship between the transmitter, transmitter, receiver, to avoid the repetitive jump caused by the dead loop.
- **Digital audio, secure call**
The use of unique digital audio codec technology to ensure the privacy of the user's call, even if the same frequency point will not have any crossover and interference; At the same time, the background noise is filtered by digital algorithm to suppress the roar, improve the sound quality and ensure the quality of the call.
- **Excellent design, stable performance**
The high performance heat dissipation technology combined with the aluminum shell can make the heat of the motherboard quickly dissipate; And the whole machine adopts stable and reliable devices to ensure that the equipment can continue to work 24 hours X365 days. At the same time, it can also run smoothly in high-frequency communication scenarios.
- **Gain antenna, very long coverage**
Equipped with a special loaded low impedance long antenna, with stronger signal penetration; N-head antennas of various sizes can be configured according to the environment, or the suction cup antenna can be connected to other places to meet the installation requirements of various environments.
- **Cast aluminum shell, rain and sun protection**
The fixed table adopts the integrated casting aluminum process, and the joint is equipped with waterproof ring, and the waterproof and dustproof grade reaches IP68; Quality test items include high and low temperature, humidity, dust, vibration, etc., to ensure that the product can be used normally in indoor and outdoor and harsh environments.
- **Built-in battery, stable and reliable**
It has a built-in 10000mAh large-capacity battery and a high-quality 3.5A external power supply with overcurrent and overcharge protection to ensure uninterrupted continuous work. At the same time, the external power supply has the characteristics of easy replacement and maintenance of the power supply without dismantling.

User scenario

The handheld walkie-talkie signal is transferred out through a variety of networking methods, which is convenient and durable, and can continue to work uninterrupted under stable conditions to meet the needs of customers in areas that cannot be covered by the network.



hotel



transportation



education



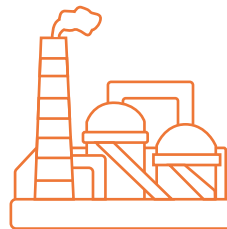
a housing estate



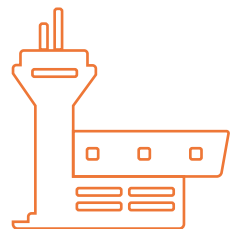
warehouse



hospital



plant



airport



| Product presentation

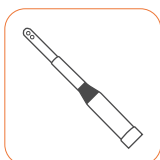
Simple and compact design, easy to carry, easy to operate, and in line with IP68 standards, can cope with a variety of working environments.



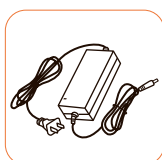
Product accessories

Choose from accessories designed, tested and certified for NR800P performance. However, in order to ensure the effectiveness of use, we recommend the use of Topeng recommended accessories.

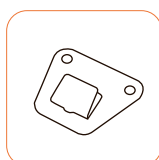
Standard fittings



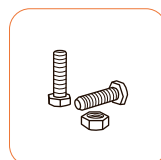
Antenna



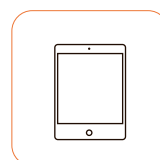
Power adapter



Wall hanging accessories



Install screw



Electronic instruction

Product standard

General requirements

Frequency domain	400-510MHz
Output power	5W
Number of channel	1
Communication standard	TP Digital system
Channel spacing	25/12.5 KHz
Working voltage	AC110-220V
Supply current	3.5A
Weight	1170g
Boundary dimension	210x130x60 (mm)
Antenna gain	3db
Support transfer series	Lv.32

Receiving unit

Sensitivity	0.25/0.28μV
Intermodulation	55dB
Adjacent channel selectivity	60dB
SNR(Signal to Noise Ratio)	≥40dB/34dB
Spurious response suppressio	55dBm

Radiating portion

Clutter and harmonics	≤-40dBm
Modulation system	16K0F3E/8K0P3E
Residential FM	≥37dB/34dB

Environmental standards

Operating temperature range	-30°C ~ +60°C
Storage temperature range	-40°C ~ +85°C
ESD(Electrostatic Protection level)	IEC 61000-4-2(level 4) ±8kV(contact)/±15kV(air)
Dustproof and waterproof	IP68
Shock and vibration	MIL-STD/810C/D/E/F/G

The above specifications are tested according to applicable standards. Due to the continuous development of technology, the above index data is subject to change without notice..

Environmental Index					
MIL-STD	810C	810D	810E	810F	810G
Low Pressure	500.1/ I	500.2/ I, II	500.3/ I, II	500.4/ I, II	500.5/ I, II
High Temperature	501.1/ I, II	501.2/ I, II	501.3/ I, II	501.4/ I, II	501.5/ I, II
Low Temperature	502.1/ I	502.2/ I, II	502.3/ I, II	502.4/ I, II	502.5/ I, II
Temperature Shock	503.1/ I	503.2/ I	503.3/ I	503.4/ I, II	503.5/ I, II
Solar Radiation	505.1/ I	505.2/ I	505.3/ I	505.4/ I	505.5/ I
Rain	506.1/ I, II	506.2/ I, II	506.3/ I, II	506.4/ I, III	506.5/ I, III
Humidity	507.1/ I, II	507.2/ II, III	507.3/ II, III	507.4	507.5/ II
Salt Fog	509.1/ I	509.2/ I	509.3/ I	509.4	509.5
Dust	510.1/ I	510.2/ I	510.3/ I	510.4/ I, III	510.5/ I
Vibration	514.2/ VIII, X	514.3/ I	514.4/ I	514.5/ I	514.6/ I
Shock	516.2/ I, II, V	516.3/ I, IV	516.4/ I, IV	516.5/ I, IV	516.6/ I, IV

NO WARRANTY

This document may contain forecast information, including but not limited to information about product families, new technologies, etc.

There are many uncertain factors in practice, which may lead to the difference between the actual information and the forecast information big difference.

Therefore, the information in this document is for reference only and does not constitute any offer or acceptance.