



Application Guide

GPS Configuration



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Revision History

Updates between document versions are cumulative. Therefore, the latest document version contains all updates made to previous versions.

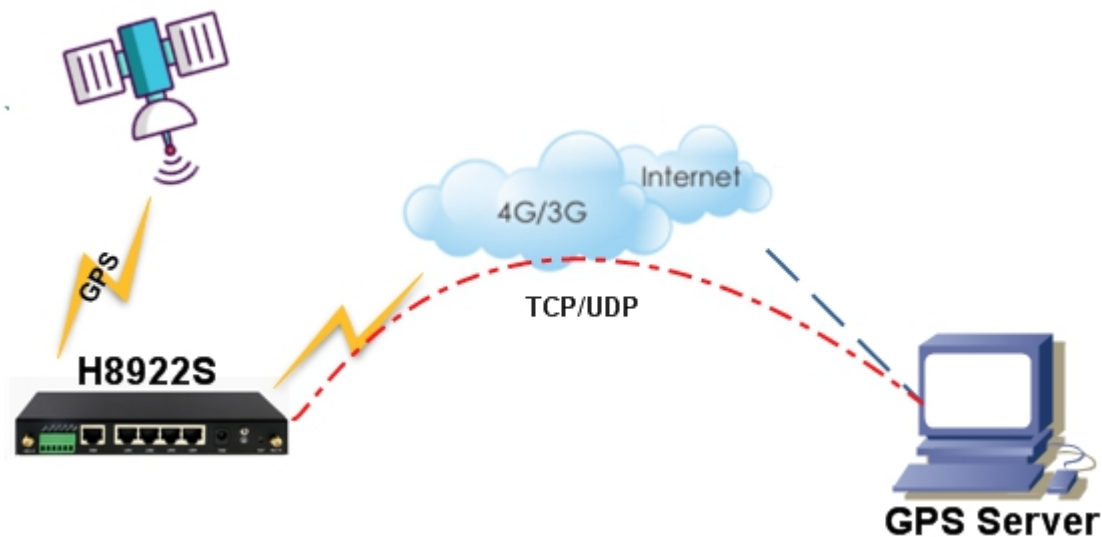
| Doc Version | Product | Release Data | Details |
|-------------|-----------------|--------------|---------------|
| V1.0 | Hongdian Router | 2017.08.23 | First Release |
| V2.0 | Hongdian Router | 2020.09.03 | |

1 Overview

The GPS(Global Positioning System) function can quickly and accurately determine the installation location of the device, so that the location of the faulty device can be found in the shortest time after the device fails. Synchronization can also monitor the location of the device in real time to prevent the device from being stolen. Here we describe the GPS function list and operation of Hongdian Router for you.

2 Description

2.1 Topology



2.2 Hongdian Setup(GPS)

1. Let the PC connect to the router and browse into the router’s configuration web page. Enter “Application->GPS” page to configure the GPS function. Type choose “GPS”, set the GPS server ip and port in the “Server IP or Domain” and “Server port”, Other options are set according to actual needs.

The screenshot shows the configuration interface for the GPS service. The 'Applications' menu is open, and the 'GPS' option is selected. The 'GPS Service' is currently 'Enable'. In the 'Basic Settings' section, the 'Work Mode' is set to 'Client'. The 'Type' is set to 'GPS'. The 'Local Port' is left blank. The 'Protocol' is set to 'UDP'. The 'Server IP or Domain' and 'Server Port' fields are empty, with red boxes highlighting them. The 'Packet header' and 'Packet tailer' fields are also empty. The 'GPS report interval' is set to 120 seconds. 'Save' and 'Refresh' buttons are at the bottom.

2.3 Hongdian Setup(GPS+BeiDou)

1. Let the PC connect to the router and browse into the router’s configuration web page. Enter “Application->GPS” page to configure the GPS function. Type choose “GPS+BeiDou”, set the GPS server ip and port in the “Server IP or Domain” and “Server port”, Other options are set according to actual needs.

The screenshot shows the configuration interface for the GPS+BeiDou service. The 'Applications' menu is open, and the 'GPS' option is selected. The 'GPS Service' is currently 'Enable'. In the 'Basic Settings' section, the 'Work Mode' is set to 'Client'. The 'Type' is set to 'GPS+BeiDou'. The 'Local Port' is left blank. The 'Protocol' is set to 'UDP'. The 'Server IP or Domain' and 'Server Port' fields are empty, with red boxes highlighting them. The 'Packet header' and 'Packet tailer' fields are also empty. The 'GPS report interval' is set to 120 seconds. 'Save' and 'Refresh' buttons are at the bottom.

2.4 Check on Device Status

1. Click “Applications” --->”GPS”to open the page of “GPS”,can check the GPS status .

The screenshot shows a network management interface with a top navigation bar containing tabs for Network, Applications, VPN, Forward, Security, System, and Status. Below this is a secondary navigation bar with tabs for Basic System Information, LAN, WAN, WLAN, GPS, Modem, Routing Table, and Traffic Statistics. The main content area displays a table of GPS status information. A red box highlights the 'GPS Status' field, which is set to 'Enable'. Other fields include UTC, Last Fix Time, Number Of Satellites Used, Number Of Visible Satellites, Longitude, Latitude, Height, and Speed. A 'Refresh' button is located at the bottom of the page.

| | |
|------------------------------|--------------|
| GPS Status | Enable |
| UTC | 02:20:17 |
| Last Fix Time | 02:20:17 |
| Number Of Satellites Used | 7 |
| Number Of Visible Satellites | 16 |
| Longitude | E:114.065468 |
| Latitude | N:22.390467 |
| Height | 234.8 |
| Speed | 0.0 |


Refresh





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