

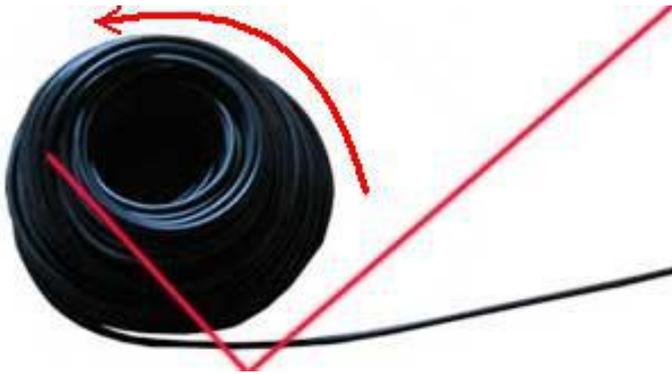
GPS Antenna Installation Instructions

1. Check Arriving Device

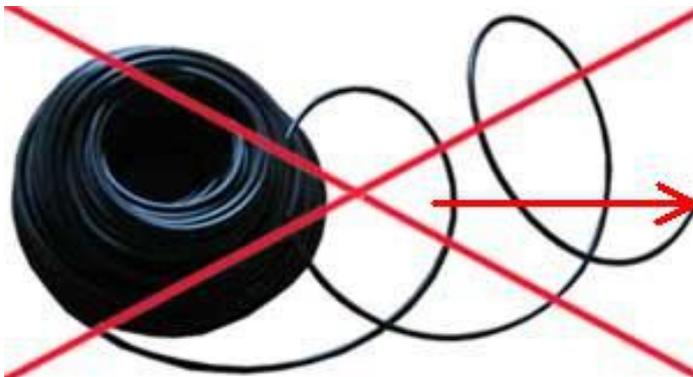
- 1) After power-up, the screen will show a logo first, and then the real time.
- 2) Press the "OK" button and enter the password "123456", we can go the set-up interface.
- 3) Extend part of the cable and connect it to the antenna, then put the antenna outside or in an open area.
- 4) The screen will display the real time and the QTY of the satellites whose signal it has received.
- 5) To login the server by network port and console.

2. Cable Installation

Cable is rolled into a circle during transportation. The cable should be fully unrolled before laying. The correct way is to turn and lay the cable flat without tying or twisting. As shown below



Don't drag the cable straight directly. See the incorrect operation method as below



Do not turn right angle when laying cable. Keep enough turning radius. Try not to hang the

cable in the open air. Try to fasten the cable to a fixture as much as possible.

The main precaution during cable erection are as follows

- 1) Do not turn right angle when laying cable. It should be rounded corner. The right angle will cause inner feeder line conductor be broken.
- 2) When the cable enters the room, it should be bent downward in "U" shape to prevent water from entering the room along the cable.

3. Antenna Installation

First of all, the location should be carefully selected, which has an important impact to the working equipment. The antenna should be installed in a high, no shaded place. Such as roof, but the top should be open. In order to achieve better effect, you can keep the elevation above 15 degrees without shielding.

Antennas are useless if install indoor. GPS satellite signal is too week to be received. Trees or plastic awning above the antenna may have a little effect on the signal. But other shielding may have a big impact on it. In fact, a book on the antenna can completely block the satellite signal. Antenna should be installed lower than lightning rods or other structures that attract lightning strike. And 10 to 15 meters away from them. GPS antenna itself is rarely struck by lightning. It is often damaged by the strong induced electric field that caused by the surrounding buildings(lightning rods, towers, etc.)being hit. Lightning arrester can be installed on the cable. The arrester should be installed on where the cable enters the wall so that it is easily and well grounded. The lightning arrester is installed between the feeder line and equipment and leads from the lightning arrester to the earth pole. The grounding resistance of the ground pole should be below 4 ohms. And must be firmly connected to ensure reliable discharge when struck by lightning. After the antenna is connected to the cable, it shall be fixed together with the bracket or wall through at least two hoops.



GPS Antenna