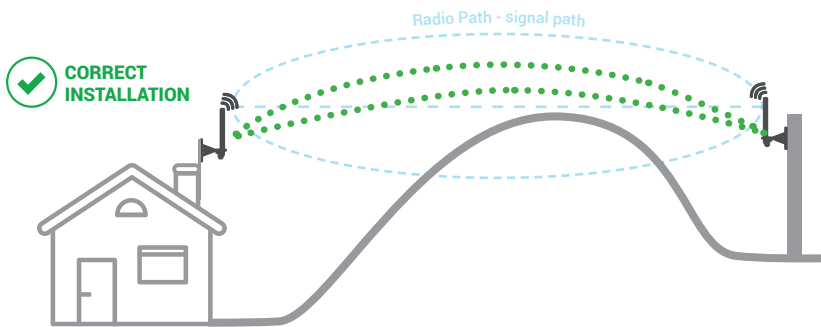


Practical tips for installing device with an antenna

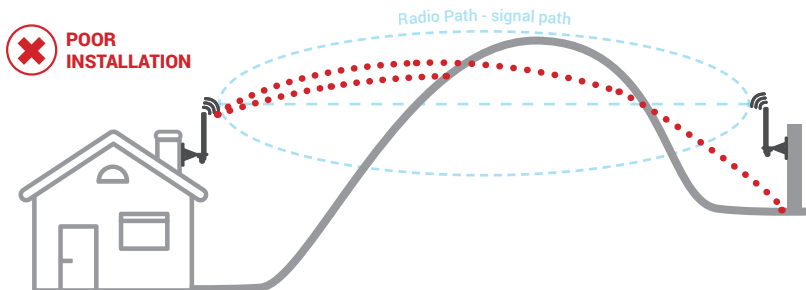
- Install the device with the antenna so that there is a direct line of sight between them
- Make sure that the antennas are high enough above obstacles and that there is nothing obstructing the signal path
- You need to check the height of trees, hills, buildings, or other objects in the path between the antennas.
- The location of the antennas as high as possible above the ground is beneficial for good RF signal propagation.
- If it is impossible to meet the direct visibility between the antennas, try to eliminate as much as possible any obstacles in the path of the RF signal
- The signal spreads poorly through dense space (draws, dense bushes, dense forest)

RADIO PATH - the way to the signal

the signal propagation space is the area around the imaginary line between the antennas into which the radio waves propagate after leaving the antenna. you need to keep the radio path unobstructed to maintain signal strength.



- ✓ External antennas are placed above the horizon (hill) and can see each other. The signal is thus transmitted without any problems



- ✗ External antennas are placed far below the horizon and the communication device are located in a radio shadow.

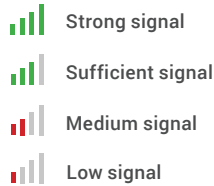
the whole issue of signal propagation is very complex and influenced by dozens of parameters. it is never possible to determine in advance whether the connection will be of good quality and sufficient.

The signal level shown on the display

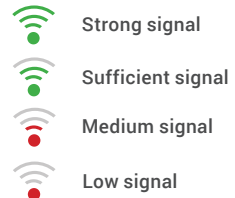
- The display of a strong and sufficient signal is an indication that the signal is of good quality and sufficient communication will be ok.
- When displaying a medium or weak signal, we recommend choosing a better location for the device or installing an external antenna that can significantly improve the signal level.
- THE STRENGTH OF THE SIGNAL AND THE QUALITY OF THE CONNECTION WILL ALWAYS DEPEND ON LOCAL CONDITIONS AND THE ENVIRONMENT.



FENCE GATEWAY GW10

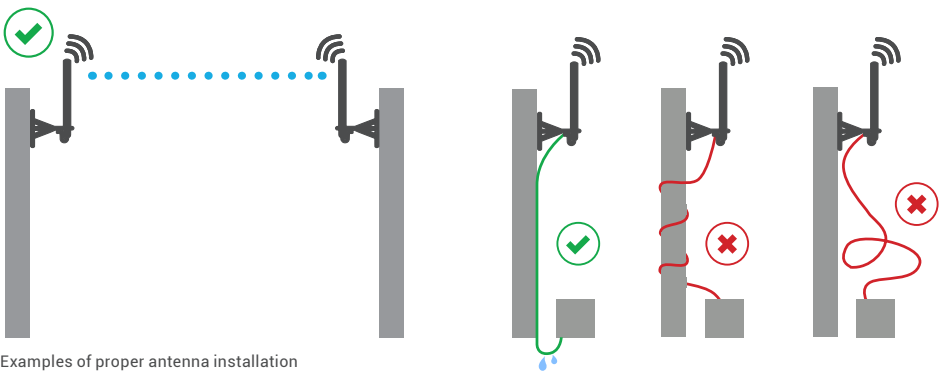


REMOTE CONTROL DUO RF HAND



Antenna mounting

- Make sure your mounting location is as far away as possible from other antennas and perpendicular objects such as masts
- Make sure that there are no other objects near the antenna, such as a gutter or drain pipe, as they could cause interference and reduce the signal quality.
- It is important to mount the antenna vertically. Mounting horizontally or at an angle will significantly reduce performance.
- Make sure that the antennas are on the same plane and aligned to the center of the signal path and angle.



Examples of proper antenna installation

Be careful not to twist, crush, or break the cable during installation. this can lead to poor performance and signal loss.

- Use a reasonable length of cable.
- Do not wrap the cable around the pole.
- Don't forget the gutter loop.