JAVAD
POSITIONING SYSTEMS

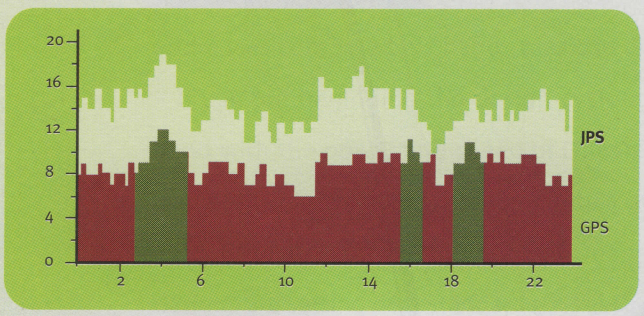
JPS has more GPS satellites

Technology years ahead of the competition.

Your GPS RTK **sometimes does and sometimes doesn't** work, it is because it **sometimes does and sometimes doesn't** have enough satellites. Your receiver may also not have the state-of-the-art signal processing methods, or is being jammed by other signals.

RTK needs 10 Dual Frequency

Reliable and instant RTK needs at least **10 dual frequency satellites**. GPS constellation of 27 satellites rarely provides 10 visible satellites. The green area shown in the diagram below is an example. Imagine what happens when you have sky blockage too.



More Dual Frequency GPS

We treat the 15 (later 24) **GLONASS satellites as GPS** and use them in combination with other GPS satellites. The JPS constellation of **42** (later **51**) "GPS" satellites, always has more than 12 visible satellites. The white area in the diagram illustrates this fact. GLONASS satellites also do not suffer from **SA** and **AS**, the intentional degradations of GPS by US DoD.

Technology Years Ahead

Our unique technical advantages include advanced multipath reduction, dual depth choke ring, in-band interference rejection, Co-Op tracking, and others features that no one else has.

L1 is half of a Satellite

When you use only the L1 frequency of a satellite, **you benefit from only half of that satellites's data**. But what you miss is more than half. You miss productivity and reliability by a **factor of at least 4**, even if the L1 receiver is offered to you at no cost. Even in very short baselines dual frequency gives much faster and more robust results.

A Lot of Money Free

Every satellite costs over **100 million dollars** to build and over **100 million dollars** to launch and maintain. Access to their data is free. If your receiver misses any satellites, you are missing valuable signals that a JPS receiver can convert to profit for your business and use to provide more accurate, more reliable, and faster results for your projects.

Cinderella Saves you

We do offer L1 only receivers too. But we offer them with the Cinderella option, which turns your GPS (27 satellites) single frequency to GPS+GLONASS (51 satellites) dual-frequency **every other Tuesday for 24 hours**. You can see the advantages of L1+L2 and the benefits of more satellites in your actual jobs. Then, when you are convinced that benefits are tremendous, you can permanently activate all features by entering the passwords that we give you. Our 12-channel GPS L1 system with zero-centered precision antenna (2 Legacy, 2 LegaAnt and Pinnacle) starts at **$11,900** for a complete system.

Circle 9

TREAT YOURSELF TO A TOUR OF GPS TECHNOLOGY BY VISITING OUR WEBSITE AT **WWW.JAVAD.COM**