

# TRIUMPH-3

The new TRIUMPH-3 receiver inherits the best features of our famous TRIUMPH-1M.

Based on our new third generation a TRIUMPH chip enclosed in a rugged magnesium alloy housing.



The TRIUMPH-3 receiver can operate as a portable base station for Real-time Kinematic (RTK) applications or as a receiver for post-processing, and as a scientific station collecting information for individual studies, such as ionosphere monitoring and the like.

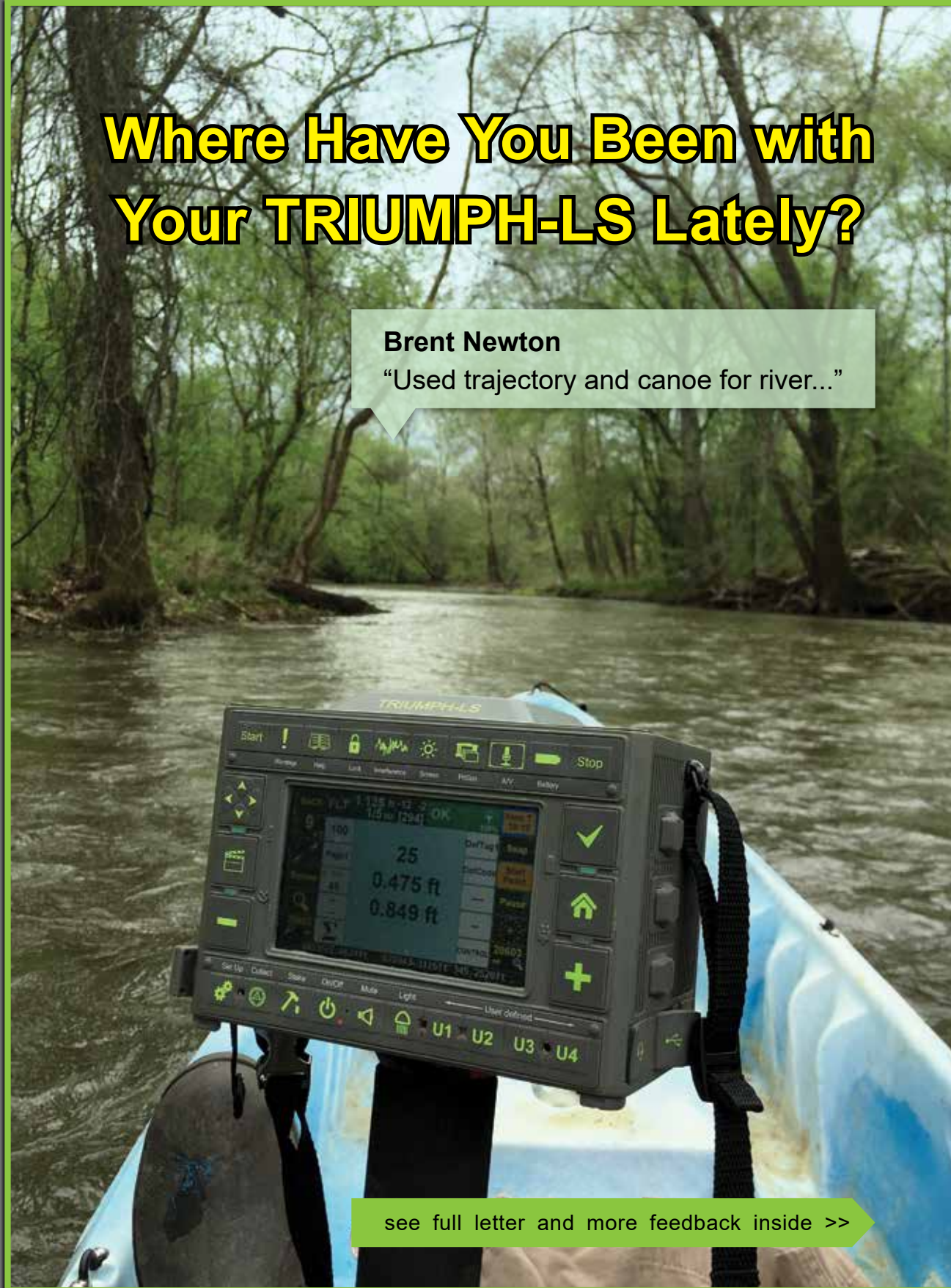
It includes options for all of the software and hardware features required to perform a wide variety of tasks.



**Ideal as a base station**

- UHF/Spread Spectrum Radio
- 4G/LTE module
- Wi-Fi 5 GHz and 2.4 GHz (802.11 a, b, g, n, d, e, i)
- Dual-mode Bluetooth and Bluetooth LE
- Full-duplex 10BASE-T/100Base-TX Ethernet port
- High Speed USB 2.0 Host (480 Mbps)
- High Speed USB 2.0 Device (480 Mbps)
- High Capacity microSD Card (microSDHC) up to 128GB Class 10;
- "Lift & Tilt"
- J-Mobile interface

## Where Have You Been with Your TRIUMPH-LS Lately?



**Brent Newton**  
"Used trajectory and canoe for river..."

[see full letter and more feedback inside >>](#)

### Timothy S. Guisewhite

1737 NC / SC boundary surveyors ran a line due west along what they believed to be the 35th parallel. When they hit the old Charleston- Salisbury road they realized they were 12 miles too far south of their target. In 1772 they took a turn north and went around lands granted to the Catawba Indian Nation and then south to the Carawba river.

This stone was set in an 1813 retracement of the 1772 line and marked NC SC AD 1813.

I was too close by not to give the LS a chance to take part in a little history!!



### Adam, PLS

Mclin Creek at Old Catawba Road - Criss sections for no rise cert.





**Aaron S**

Here's where I had my demo unit in northern Minnesota. Still 30"+ of ice out there - so I've heard. No way I'm walking on any ice if there's water on top. OF COURSE it was clicking away collecting points on "boundary" mode, regardless of the thick branches overhead, and the white pines blocking half the sky in the second pic.



**Brent Newton**

Used trajectory and canoe for river. Actually for most of this river I had multi engine fixed shots. I did have it to accept float shots, but I believe I have shots close enough to spot the bad ones. Took shots every 5' or 5 seconds. I would stop and wait on fixed solution in critical curves. It was a lot of fun. 2.5 miles in 1/2 a day.



**Darren Clemons**

Had a pin Monday directly under about an 18" cedar. Was on a survey I had done previously about 8 years ago, so I had design points and had snapped in and was staking back to everything less than a tenth so I had that extra benefit of already having a point to check if (well lets not beat around the bush WHEN I got the shot).

I intended to possibly get two PPK shots here to compare to my design point and within each other when I got back to the office. When the first PPK session completed in 15 minutes, I had something similar to 85,730.3 for the RTK solution. It had kicked to phase two once, then locked onto a "bad" group, did a fail jump and then had added several more epochs back into the lead group. Basically I had 100% confidence this RTK was good. As soon as I stored the shot I inverted to my design point at that location and got 0.06'. No second PPK necessary! Then for the cherry on top, I processed the PPK at the office at it was 0.05' from the RTK I stored. Just an amazing Surveying machine!



**Wes Cole**

ALTA in downtown Asheville on the south slope, a rapidly developing area particularly among the microbreweries. No complaints on the sweet smell of beer brewing!

Ran control yesterday around the site with an S5, checked into one control point today with the LS/T1M base/rover at N: 0.01, E: 0.03, H: 0.00. One of my guys tied in the boundary with the robot today while I worked on the physical, 200+ points in less than 2 hours with the LS. Very productive before the rain came in.



**Pappassurveyor**

Deep in the woods had to let it sit for a long time. Played around with some image filters also.



**Garrett Dendy**

I'm fairly new to RTK surveying, but either the cottonmouths or the mosquitos would have ran me out of that beaver slew if I were traversing around it. The LS is my first GPS and I move so much faster, collect more data and I see better accuracies.



**Nate The Surveyor**

3 fixed and verified shots here.... YEAH! In less than 10 minutes!

**Monte King**

Here is a couple pics of a survey I did in April/May on Martha's Vineyard for the Wampanoag tribe. A walk on the beach!! This was a resurvey and posting of line, used the stake line feature a lot! One boundary was a 50 ft offset from mean high tide so elevation was involved! The LS made all the difference in the world as because of travel costs there was an extreme desire to complete it in a timely manner which was accomplished thanks to the LS and T2 particularly beast mode!



**Bob Farley**

No cool pictures to show, but I checked in yesterday to a traverse I did in 2007 with my Topcon Robot and Sokkia Locus receivers.

2007 vector is N70d07'27"W 5,535.63', Javad vector is N70d07'40"W 5535.59'. The DPOS coordinates on the Northwest corner coordinate are within 0.24' horizontally and 0.41' Elevation. As rough as the area is with moderate tree cover; This is as good as it gets!