

Cutting Edge

Haefeli-Lysnar Newsletter



Issue 6 | June 2011

Trimble extends its range of radios with the Trimble TDL 450H

New Long-Range Capabilities Available for More Productivity



Trimble has introduced the TDL 450H radio, a long-range radio in the Trimble TDL 450 radio modem series designed to support high-precision GNSS surveying applications.

This sophisticated radio modem places Trimble's newest low power data link technology in your hands. For surveyors that need to make the most of every day, the Trimble TDL 450 series a giant step forward in radio technology.

The Trimble TDL 450H is a 2-35 Watt (user programmable) radio transceiver. Its 35 Watts of power maximizes range, enabling work in difficult terrain and urban areas.

The Trimble TDL 450H is a 2-35 Watt (user programmable) radio transceiver. Its 35 Watts of power maximizes range, enabling work in difficult terrain and urban areas. The multi-function user interface streamlines field configuration and troubleshooting so surveyors can maintain maximum productivity.

The radio modem allows users to adapt as conditions require: for longer baselines surveyors can dial up the power, and when the work area is smaller, a lower power output can extend battery life.

The Trimble TDL 450 series offers flexible field configuration options and rugged reliability.

The series is available in two frequency bands to cover the entire commercial UHF band without sacrificing radio performance. It also allows the user to select from either 12.5 or 25 kHz channel bandwidth. This high-power radio comes with a new protocol offering 9600 bps in a 12.5 kHz channel without loss of range.

The Trimble TDL 450 series is an advanced, high-speed, wireless UHF data radio built to endure the stresses of daily use in harsh conditions.

Full metal construction provides impact and weather resistance that will keep surveyors working with confidence.

The Trimble TDL 450 series also provides access to diagnostic data in the field, allowing surveyors to solve signal strength challenges and make real-time adjustments to stay more productive.

The Trimble TDL 450 series offers flexible field configuration options and rugged reliability.

For more information on the TDL 450H please click [HERE](#) or contact Jesse Huff on 0408 324 494.

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[CLICK HERE](#)

Trimble Realworks first 3D Scanning Software to incorporate new standard

Trimble just announced the release of version 7.0 of their RealWorks software suite

" This version is the first commercially available software suite that incorporates the newly approved ASTM International E57 E2807 data exchange standard for 3D imaging systems. The standard allows 3D laser scanning professionals to use their design software of choice, depending on their applications and workflow. " Trimble was the first manufacturer to introduce standard surveying workflows in 3D scanning instruments and the first to make a hybrid scanner/total station commercially available with the Trimble VX spatial station.

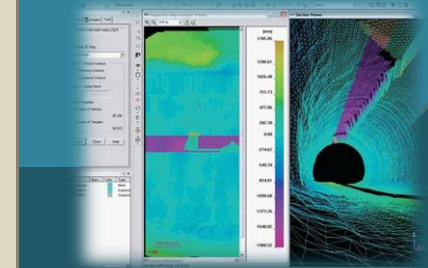
Trimble RealWorks software imports rich data from a Spatial Imaging sensor for example, the Trimble GX 3D Scanner or Trimble VX Spatial Station, for transformation into compelling 3D visuals. Trimble RealWorks is ideal for the surveying and geospatial industries. It is powerful enough to support the large datasets collected using 3D scanning techniques.

Trimble RealWorks enables users to register, visualise, explore and manipulate as-built or scene point cloud data. It incorporates precision tools, modelling, and empowering features suited to civil survey, building, heritage, and forensic applications, plus many different areas of the geospatial industry.

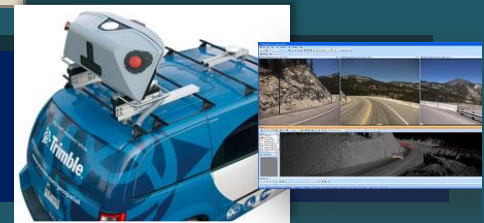
ADVANCED, BUT VERY EASY TO USE, TRIMBLE REALWORKS LETS YOU:

- EFFECTIVELY MANAGE, PROCESS AND ANALYZE LARGE DATASETS
- VISUALIZE 3D DATA
- STREAMLINED WORKFLOW VIA THE EASY GUIDED STEP™
- COMBINE 3D SCANNING, IMAGING AND POSITION DATA
- EXTRACT 3D POINT CLOUDS, CAD MODELS, SIMULATION MOVIES
- EASYPIPE™ TOOL ALLOWS AUTOMATIC MODELING OF PIPES
- SEAMLESS TRANSFER TO TRIMBLE LASERGEN

To try Trimble RealWorks for yourself, [CLICK HERE](#) TO download the Trimble RealWorks Viewer, a complimentary Trimble utility.



Geo Spatial Expert - Jim Peterson from University of Missouri visiting



We are very fortunate to have Jim Peterson visiting Perth next week who among other engagements will be presenting at the WASSSI Conference and also running some specialised Geo Spatial Workshops.

Jim Peterson is currently a domain expert in the Geospatial Group and pursuing his Doctorate of Philosophy in Civil Engineering. Mr. Peterson was also a lecturer at Missouri University of Science & Technology in Transportation and Surveying in 2010-2011. Mr. Peterson focuses his efforts on LiDAR and imaging applications in surveying, mapping, and transportation. His passions in these areas relate to the use of LiDAR and imaging from terrestrial and airborne collection methods by utilizing both static and dynamic platforms.

We are extremely lucky to have Jim in Perth for the WASSIC at Burswood Convention Centre from 20th – 21st June, he will be presenting at the conference on Mobile Geo Spatial Workflows and the Deliverables from this technology. Make sure you come along to the conference and visit our booth.

Trimble's State-of-the-art Mobile Spatial Imaging System

The Trimble MX8 Mobile Spatial Imaging System is an advanced mobile data capture system that combines imaging and laser scanning capabilities to measure objects in 3D to produce 3D, 4D and 5D data sets for spatial imaging projects.

Expanding the scope of services that surveyors, engineers, mapping and geospatial professionals can offer to enhance their business, the system is ideal for as-built modeling, inventory, inspection, encroachment analysis, and asset management for roadways, bridges, railway, utilities, and other infrastructure.

Fast and Accurate Spatial Data

Integrating imaging and laser scanning with advanced Global Navigation Satellite System (GNSS) plus Inertial positioning, the Trimble MX8 collects 3D data fast and accurately. Featuring a pod-type design, it is easily redeployed and installed on a variety of vehicles as project demands change. A scalable system configuration and sensor upgrade options allow owners to address their evolving needs.

Affordable Change Detection

Operating at highway speeds, the Trimble MX8 allows users to capture more frequent updates of 3D datasets for roadway and right-of-way infrastructure. Combined with Trimble Trident Analyst for Spatial Imaging software, automated extraction of road signs, road geometry, break lines and lane markings reduces manual labour and provides answers earlier in the project.

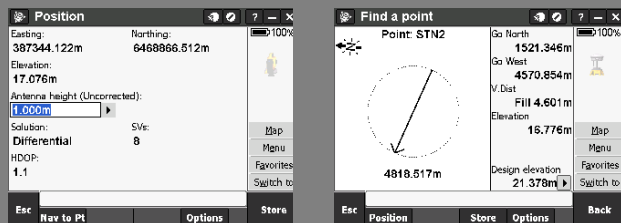
Click [HERE](#) for more information on the Trimble MX8 or email sales@hlse.com.au

**LET'S GET
TECHNICAL!**



Storing Points with Internal GPS

Store a position using Trimble TSC3 or Trimble Tablet internal GPS: You can now store a position and navigate to point from the Instrument / Position screen or from the Map using the Trimble TSC3 or Trimble Tablet internal GPS.



Note: Function only available on the latest Trimble Access Software release, Version 2011.00

To update your controller download the latest version of Trimble Access installation manager (TAIM) at the link below.

<http://www.trimble.com/taim/>

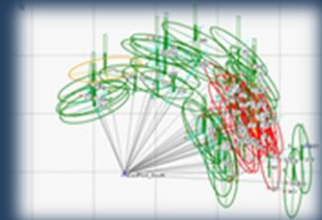
Please contact Aaron Burgess for assistance on this technical tip or any other technical questions you may have on 0429 101 767

Brand New Trimble 4D Control Web Module

You can now access your monitoring system from anywhere in the world!!

The Trimble 4D Control Web Module allows authorized users to log in to the Trimble 4D monitoring software – via a simple Web browser – and view the status of the monitoring system. A user name and password is required to log in to the system, but no special software is required on the remote computer. The user may view:

- The systems "status at a glance" display indicating general system status – with notification whether any sensors are having problems.
- A map of the sensor locations,
- Charts of all, (or individual) sensors,
- A list of all monitoring sensors,
- Images from remote web cameras that are linked in the Web module,
- Data from remote weather stations that are linked in the Web module.



With Trimble 4D Control software, surveying businesses can expand beyond traditional land surveying tasks, to address specialized monitoring opportunities easily. Put your expertise in measurement and data analysis to work in the growing market of monitoring services.

Trimble gives you the flexibility to combine both GNSS and optical data on a single project. GNSS provides long-range accuracy and rapid update rates. Trimble total stations deliver precise, cost-effective measurements. You can even use Trimble GNSS technology to verify the stability of total station control points.

FOR MORE INFORMATION ON THE NEW TRIMBLE 4D MODULE PLEASE CONTACT JESSE HUFF ON

0408 324 494 OR EMAIL JESSE@HLSE.COM.AU

TRIMBLE ACCESS NEW RELEASE

Connect to a World of New Possibilities

Trimble Access software offers survey teams a new approach to surveying that expedites data collection, processing, analysis, and delivery through improved workflows, collaboration and control

Trimble Access 2011.00 offers the following new features and enhancements:

- Store GPS positions via the internal GPS in the Trimble TSC3 or Trimble Tablet.
- Easily link images captured using a Trimble TSC3 or Trimble Tablet to a job, or a point in a job, without having to use a feature library.
- Display BMP and JPEG georeferenced background image files in the map.
- The hatching of areas in a Shape file is now displayed in the map, highlighting more clearly features such as exclusion zones.
- Real-time Differential survey styles using a land-based broadcast are supported.
- Lock Survey Style files to prevent styles being edited in the field.
- Monitoring now supports Resection and multiple backsight station setups.
- Monitoring now supports the import of station, backsight and foresight points, as well as the key in of coordinates for backsights and foresights points.
- Global (WGS-84) and local ellipsoid-based geoid models are supported.

To upgrade your controller download the latest version of Trimble Access installation manager (TAIM) at the link below. <http://www.trimble.com/taim/>, If you don't have Trimble Access on your controller already contact our Sales Team on (08) 9445 8811 or email us at sales@hse.com.au to upgrade.



**TAKE ADVANTAGE
OF OUR
“END OF FINANCIAL
YEAR STOCKTAKE
SALE”!!!**

Don't miss out on amazing deals & discounted prices on all of our equipment purchased before the 30th June 2011.

Make the most of this sale by upgrading your equipment to the latest technology.

Please contact Jesse Huff or Dion Wilson on 9445 8811 for more information.

