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**Garmin® adds high-resolution relief shading to its premium  
BlueChart® g3 Vision and LakeVü g3 Ultra cartography**  
*New charts and maps offer unrivaled detail and enhancements*

OLATHE, Kan./Feb. 13, 2019/Business Wire – Garmin International, Inc., a unit of Garmin Ltd. (NASDAQ:GRMN), today announced that it has added high-resolution relief shading to its exclusive [BlueChart g3 Vision](#) and [LakeVü g3 Ultra](#) cartography products for coastal and inland fishing and boating. High-resolution relief shading brings an entirely new level of detail to the ocean floor and lake bottom, making it easier than ever to find structure, artificial reefs, underwater shelves and more – the kind of detail anglers and divers depend on.

With industry-leading coverage, clarity and detail, Garmin’s new g3 cartography blends the best of both Garmin and Navionics content together, and offers enhancements like built-in Auto Guidance<sup>1</sup> technology that searches through relevant charts to create a suggested route based upon the user’s desired depth and overheard clearance. For mariners who want the most feature-rich data available, the premium BlueChart g3 Vision and LakeVü g3 Ultra accessory cards and downloads include everything available with g3, and now for the first time, add high-resolution relief shading that combines color and shadow to give mariners an easy-to-interpret, clearer view of bottom structure than contour lines alone. Garmin’s high-resolution relief shading is available with coverage for U.S. coastal waters – east coast, west coast and Gulf of Mexico – along with more than 150 Garmin-surveyed lakes.

“The recent upgrades we’ve made to our g3 cartography products – more detail, dimension and routing sophistication – is a true testament to our long-standing commitment to continually improving our cartography to give our customers the highest quality and most detailed, accurate charts and maps on the water today,” said Dan Bartel, Garmin worldwide vice president of consumer sales. “We’re excited to offer high-resolution relief shading to our premium BlueChart g3 Vision charts and LakeVü g3 Ultra maps and look forward to continuing to bring even more detail to our customers.”

The new Garmin g3 cartography products brings unrivaled detail and convenience to users with navigational aids, spot soundings, depth contours, tides and currents, and detailed harbors and marinas. The data offers seamless chart presentation with up to 1-foot fishing contours that provide a more accurate depiction of bottom structure for improved fishing charts and enhanced detail in canals, marinas and port plans. Raster cartography that gives the chartplotter paper-chart like views of NOAA nautical charts, has also been added to the new g3 cartography product line and is available as a free downloadable feature via the Garmin ActiveCaptain® app.

In addition to high-resolution relief shading, BlueChart g3 Vision also includes high-resolution satellite imagery that provides the user with a realistic view of their surroundings. Unique 3-D views, including MarinerEye and FishEye, provide additional perspective both above and below the water line, and aerial photography shows exceptional detail of many ports, harbors and marinas, which is especially useful when entering unfamiliar ports. For inland customers, LakeVü g3 Ultra includes maps of more than 17,000 lakes with up to 1-foot contours. Of those,

over 150 are Garmin Elite surveyed lakes with high-resolution satellite imagery, multi-beam sonar views shore-to-shore, side scan photos and photos of notable spots above the water too.

The new BlueChart g3 Vision and LakeVü g3 Ultra accessory cards and downloads vary in price from \$249.99 to \$349.99 and will be available with high-resolution relief shading in Q2 2019. At this time, high-resolution relief shading and raster charts are only available for the U.S. Availability for other regions is expected in Q4 2019. To learn more, visit [garmin.com/maps](http://garmin.com/maps).

Garmin is the world's leading marine electronics manufacturer<sup>2</sup> and was recently named Manufacturer of the Year for the fourth consecutive year by the NMEA, an honor given to the most recognized marine electronics company for support of products in the field. Garmin's portfolio includes some of the industry's most sophisticated chartplotters and touchscreen multifunction displays, sonar technology, high-definition radar, autopilots, high-resolution mapping, sailing instrumentation, audio, entertainment and other products and services that are known for innovation, reliability, and ease-of-use. Other Garmin marine brands include FUSION Entertainment, Navionics, a premier supplier of electronic charts, and EmpirBus.

For decades, Garmin has pioneered new GPS navigation and wireless devices and applications that are designed for people who live an active lifestyle. Garmin serves five primary markets, including automotive, aviation, fitness, marine, and outdoor recreation. For more information, visit Garmin's virtual pressroom at [garmin.com/newsroom](http://garmin.com/newsroom), contact the Media Relations department at 913-397-8200, or follow us at [facebook.com/garmin](https://facebook.com/garmin), [twitter.com/garmin](https://twitter.com/garmin), [instagram.com/garmin](https://instagram.com/garmin) or [youtube.com/garmin](https://youtube.com/garmin).

<sup>1</sup> Auto Guidance is for planning purposes only and does not replace safe navigation operations.

<sup>2</sup> Based on 2017 reported sales.

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This release includes forward-looking statements regarding Garmin Ltd. and its business. Such statements are based on management's current expectations. The forward-looking events and circumstances discussed in this release may not occur and actual results could differ materially as a result of known and unknown risk factors and uncertainties affecting Garmin, including, but not limited to, the risk factors listed in the Annual Report on Form 10-K for the year ended December 30, 2017, filed by Garmin with the Securities and Exchange Commission (Commission file number 0-31983). A copy of such Form 10-K is available at <http://www.garmin.com/aboutGarmin/invRelations/finReports.html>. No forward-looking statement can be guaranteed. Forward-looking statements speak only as of the date on which they are made and Garmin undertakes no obligation to publicly update or revise any forward-looking statement, whether as a result of new information, future events, or otherwise.

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