

# New Crescent DGPS Receivers

CSI's Hemisphere GPS division has introduced its new Crescent R100 Series DGPS Receiver. The Crescent R100 is a solution for professional mapping, guidance and navigation applications and features:

- 12 Channel L1 GPS receiver with code and phase measurements
- DGPS positioning under 60cm with an output rate of up to 20 times per second
- especially fast start-up and signal reacquisition times
- simple user interface and status lights allows easy configuration and receiver monitoring
- available with several options for DGPS sources including Satellite Based Augmentation Systems (WAAS, EGNOS, etc.), Radio Beacon and OmniSTAR corrections
- compatible with our exclusive L-Dif technology, for applications requiring accuracy under 20cm
- radar-simulated pulse output provides accurate ground speed.

These portable and versatile receivers also feature Hemisphere GPS' exclusive COAST and e-Dif technologies. COAST software enables Hemisphere GPS receivers to utilise old differential GPS correction data for 40 minutes or more without significantly affecting the quality of positioning.

When using COAST, the user is less likely to be affected by differential GPS signal outages due to signal blockages, weak signals or interference. No competing products offer this flexibility.

e-Dif technology enables Hemisphere GPS receivers to achieve DGPS-quality positioning accuracies without the need for a differential signal. It is ideal for locations where other differential services are limited or expensive. The Crescent R100 Series will replace the SLXg3 and MAX Series of receivers.

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<https://www.gim-international.com/content/article/new-crescent-dgps-receivers>

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