

# NaviGate™ Lightning Module

## Software Product Description

### Product Summary

The *NaviGate* lightning Module retrieves and manages data about current lightning activity and displays that information via the *NaviGate* map interface, together with your facilities data, customer locations, and other spatial data sources.

### Description

The *NaviGate* Lightning Module automatically retrieves spatially-accurate lightning stroke data from the National Lightning Detection Network (NLDN) via the Internet. This data is stored in the *NaviGate* database for display and reporting. The module provides the following specific features:

- Display lightning data on the map as individual flashes and strokes, as well as confidence ellipses (if available from your lightning data source). Provide additional controls in *NaviGate* to control the way that lightning activity is represented on the map.
- Provide Lightning Stroke Thematic Mapping, so that engineers and utility operators can visualize and compare the relative degree of lightning activity in different service territories, counties, and other areas.
- If the *NaviGate* Alarm Module is also installed, Gatekeeper Systems will connect the Lightning Module and the Alarm Module so that alarms can be configured on lightning-related events, such as the presence of lightning activity in a particular service territory, or when a certain number of strokes per hour has been exceeded
- Summarize lightning stroke activity, count and summarize strokes by service area, and categorize strokes by stroke current and other parameters.
- Provide access to historical lightning activity. *NaviGate* Lightning Module users can choose a historical period and request detailed stroke mapping and thematic mapping for that period. Historical periods can be as short as five-minute increments or as long as a year.
- Icons representing ground strokes and confidence ellipses are shown on the map. Clicking on an icon provides access to detailed reports containing all the NLDN information for that stroke.

### Data Requirements

The *NaviGate* Lightning Module requires access to the Internet to obtain data from the National Lightning Detection Network, or a satellite feed of this data. Access to the National Lightning Network requires an annual license from the provider of that network. The Module displays and manages data in the same spatial coordinate system (projection and datum) as the remainder of your *NaviGate* data.

### Installation and Configuration

The purchase price of the *NaviGate* Lightning Module includes professional installation of the software by a Gatekeeper Systems technician, and integration of the module into your existing *NaviGate* application. Contact Gatekeeper Systems for more information.

### Software Prerequisites

The *NaviGate* Lightning Module uses the functions and features of the standard *NaviGate* application framework. You may add this module to any current version of *NaviGate*. For display of lightning data, you also need a source of current lightning information. (Contact Gatekeeper Systems for assistance.)

### Support Options

Standard Support is available for this module, providing support via email, the Internet and telephone during normal Gatekeeper Systems business hours. Standard Support also provides product updates as new versions of this module are released.

### Pricing

Refer to the *NaviGate* Price List for current pricing. Volume and package discounts are also available. Contact a Gatekeeper Systems representative for more information.

### Licensing

This module is licensed under the standard Gatekeeper Systems license agreement. The license agreement grants access to the software source code for the licensed module. A copy of the standard agreement is available upon request.

### Ordering

The *NaviGate* Weather Module may be ordered by contacting Gatekeeper Systems. Please specify the *NaviGate* version with which you will be using this module.

### Delivery

In most cases, the *NaviGate* Lightning Module can be installed immediately. Contact Gatekeeper Systems for currently available delivery times.

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