



Using CLEARPOINT with FleetBroadband

Real-Time Weather
Delivery
10.14.2013



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1 Overview

ClearPoint is the most comprehensive and easy-to-use global marine weather software available. The user interface is simple, intuitive icon-based and touch screen compatible. ClearPoint has truly global coverage, providing weather and sea state data for all regions of the world. The software is currently available in seven languages. ClearPoint's mission is to provide safe passage for mariners through its reliable, accurate, all-in-one-place weather data service and application software. It is the definitive maritime weather resource for serious mariners worldwide. Simplicity and safety are designed as core components. This is a data-rich, professional product that provides professionals and novices alike with an analysis tool so easy to read, understand, and plan with – that it provides a best-in-class experience with each use.

2 Product Details

- All the weather and sea state information users need – in one place
- Real-time data – everywhere in the world
- Not just nice graphics – but solid, accurate data powering the graphics
- Satellite connectivity via Inmarsat – solid internet connectivity is the path to ClearPoint data
- Data tuning as precise or as general as needed, depending on connection speed and circumstance
- Totally selectable data sets, quality and size of geographic area – the user is in control
- Endorsed by well-respected safety organizations such as the Maritime Mobile Service Network (MMSN) and Det Norske Veritas (DNV)

3 Background

3.1 Reliable, Accurate Data Sources

ClearPoint uses proprietary software to integrate weather and sea state data from over 180 public, private and proprietary sources, including the UK Meteorological Office, the National Oceanic and Atmospheric Administration (NOAA), and the National Aeronautics and Space Administration (NASA), plus an array of established public and private weather authorities worldwide. These weather data feeds are aggregated globally from over 100,000 data nodes.

3.2 PhD Level Research

The ClearPoint meteorological team includes PhD-level weather physics researchers, mathematical modelers and computer science experts. This dynamic team of professionals provides ClearPoint with its proprietary technological and proven weather forecasting capabilities.

3.3 Forecast Technology

ClearPoint data is processed, filtered and verified to insure uniformity and error correction, formatted into a homogenous data structure for each data/file and type, then parsed into local or regional data blocks to provide truly localized information. The ClearPoint weather models are prepared by a team of skilled meteorologists in its data center.

In particular, the Racing Edition utilizes a proprietary mathematical model – a next-generation numerical weather forecast system designed to serve both operational forecasting and atmospheric research needs. The model is suitable for a broad spectrum of applications across scales ranging from meters to thousands of kilometers. Critical to the forecast accuracy is proprietary localization/regionalization of the models factoring in the local climate, land and sea conditions.

3.4 ClearPoint 2.1

ClearPoint was upgraded in 2012 and now offers the following powerful features:

- Resolution quality now to 0.5° – increasing the High-Definition capabilities of the data you receive
- Coverage Area Extent – 6 selectable options from 7°x 8° to 40°x48°
- Data Quality Extent – 6 selectable options from 0.5° to 3° in half degree increments
- Select only the data you need
- Download the data only when you need it
- Instantly calculate the size of your download – before you request new data
- Three additional connection-specific presets in addition to totally open customization – to help take the guesswork out of which extents are best for your connection type.
- Forecasts out to 6 days
- Greater number of forecasted periods using the Frame-by-Frame Animation Tool
- Increased functionality in the Control Panel – improved text to see progress of downloads, easier to find Function icons
- Software in seven languages – English, Spanish, French, German, Chinese, Japanese and Vietnamese
- Multiple editions with data sets and pricing to suit all budgets
- Monthly subscription – pay one price and use it for 30 days – unlimited use
- Annual subscription – pay one price and use it for 365 days – unlimited use

4 Target Audience

There is a ClearPoint Edition suited to virtually every area of the maritime industry. ClearPoint can address the needs of the most discriminating professionals, yet present its data in a manner that is easily understood by the novice. When safety and performance are critical, the products offered by ClearPoint Weather will get the job done. ClearPoint provides solutions to several vertical markets within the maritime industry: Passagemaking, Commercial/Merchant Marine, Sport Fishing, Competitive Sailboat Racing, and Resorts/Marinas.

5 Product Requirements

The requirements to use ClearPoint are:

- An internet connection via satellite, cellular Wi-Fi, fixed broadband or dial-up service
- Windows-based PC running Windows 2000, XP, Vista, 7, 8 or a Mac laptop or desktop running virtualization software, such as Parallels Desktop or VMware Fusion. Solutions for use on an iPad are also available.

The minimum system configuration is:

- Intel Core or AMD Athlon processor
- 1 GB RAM
- Screen resolution of 1024x768 pixels
- Microsoft's .NET Framework 4.0 installed

The recommended system configuration is:

- Intel Core or AMD Athlon processor or higher
- 2 GB RAM or higher
- Screen resolution of 1280x1040 pixels or higher
- Microsoft's .NET Framework 4.0 installed

6 ClearPoint Datasets

Datasets provided in the ClearPoint Weather service cover a wide range from winds, waves, lightning, tropical storms and satellite IR images to proprietary data such as the high-resolution winds models in the Racing Edition. There are over 20 different datasets with additional subsets within each that provide the ability to analyze literally hundreds of possible combinations of data. Each change of location, each change of day or even change of hour provides complete data analysis and forecast opportunities with the software's icon-based user interface. With coverage available on a global basis, the access to worldwide weather and sea state data is incredibly robust.

6.1 ClearPoint Weather Data by Edition

	Pro	Sport Fishing	Sailboat Racing	Premium
 Winds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Waves	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Swells	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Barometric Pressure	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Radar	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Satellite	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Observations	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Bulletins	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Currents	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Air Temperature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Clouds	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Precipitation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Visibility	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Sea Ice	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Lightning	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Tropical Storms	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Sea Surface Temperature	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Chlorophyll (Plankton)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
 Bathymetry (Ocean Depth)		<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>
 Winds 1 nm Resolution			<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
 Winds 5 nm Resolution				<input checked="" type="checkbox"/>
 Winds 15 nm Resolution				<input checked="" type="checkbox"/>

7 ClearPoint Editions

The ClearPoint Editions currently available are the *Pro Edition*, the *Sport Fishing Edition*, the *Sailboat Racing Edition*, and the *Premium Edition*.

The *Pro Edition* provides current and forecasted conditions for more than 20 types of weather and sea state data, including winds, waves, IR satellite images, lightning, currents, air and sea temperature, observations and 5-day forecasts for any point on the globe. Of particular value to all mariners during hurricane and typhoon season is the *Pro Edition's* tropical storm tracking feature.

The *Sport Fishing Edition* includes all of the features of the *Pro Edition* plus chlorophyll (plankton) concentration, and bathymetry (ocean depth). Fishermen use these additional types of data together with sea surface temperature and ocean currents to predict where the fish are most likely to be located.

The *Sailboat Racing Edition* includes all of the features of the *Pro Edition* plus ClearPoint's proprietary high resolution wind forecasts. Wind forecasts typically have a 30 nautical mile (0.5°) resolution. Our high-resolution wind forecasts are provided at 15 nautical mile, 5 nautical mile and 1 nautical mile resolution in so-called "Hot Spots" located around the world where our subscribers are sailing or racing in regattas.

The complete package. The *Premium Edition* includes all of the features of the *Pro Edition*, the *Sport Fishing Edition* and the *Sailboat Racing Edition*. This is the edition for the discriminating mariner who wants it all. This is our most popular edition with captains in the megayacht/superyacht class.

ClearPoint is designed to meet most every budget need. Whether a 30-day window is all that is needed or whether ClearPoint is used every day for commercial or recreational use, ClearPoint is cost-effective and is always on.

Download data once or download every 5 minutes, the price is the same. For the 30-day and annual subscriptions, the access is the same – unlimited use for the period of time for which you have subscribed. All subscriptions self-renew – so there is never a worry about expiring subscriptions at a critical time during a voyage. ClearPoint works everywhere.

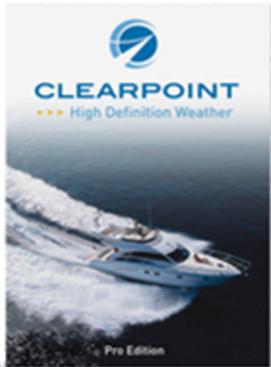
7.1 ClearPoint Subscriptions and Pricing

Pro Edition

Sport Fishing Edition

Sailboat Racing Edition

Premium Edition



\$299.00 / 1 Year
10 Days Risk Free

\$49.00 / 30 Days
3 Days Risk Free

\$499.00 / 1 Year
10 Days Risk Free

\$79.00 / 30 Days
3 Days Risk Free

\$499.00 / 1 Year
10 Days Risk Free

\$79.00 / 30 Days
3 Days Risk Free

\$699.00 / 1 Year
10 Days Risk Free

\$99.00 / 30 Days
3 Days Risk Free

8 Further Details and Support

Inmarsat Contact:

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