Release Notes

AVAILABLE JULY 2013
HDS Gen2 2.1.45.144 Overview

- **Improvements**
  - Enhanced Point-1 performance
  - Improved GoFree networking
  - Improved performance

- 2.1.45.144 also includes all features of the previously released 2.0-45.135 software update

- Recommended for all HDS Gen2 displays
  - Non-Touch Models only
  - See Gen2T 2.1.45.144 software and release notes for HDS Gen2 Touch Models
New for 2.1.45.144

New features/ improvements
Point-1 Performance

• Improved processing of heading information coming from the Point-1 antenna
  – To achieve maximum benefit, an update to the Point-1 antenna software is also required
  – This software can be downloaded here: {INSERT LINK TO POINT-1 UPDATE PAGE HERE}
GoFree™ networking

- Corrected issue causing unstable performance of network when GoFree™ module is connected
- Allows full sharing of Structure information originating from Gen2 Touch units
Improved Performance

- Improved responsiveness of Page Selection Menu
Updating troubleshooting

• In some instances, the HDS Gen2 Keypad may not recognize the software update on the SD card. If the update progress bar is not present when updating, please follow the steps below:
  – Power down the HDS
  – Insert the SD card with the .upd file loaded on it
  – Press and hold the ‘Pages’ key
  – Power on the HDS
  – Continue to hold the ‘Pages’ key until the HDS beeps, it will then read the update file on the SD card and update

• These steps should only be followed if the update is unsuccessful on the first try. Pressing and holding the ‘Pages’ key while powering on the HDS without the proper update file inserted will perform a system reset.
HDS Gen2 2.0-45.135 Overview

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  – Non-Touch Models only
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• New Features
  – Insight Genesis support
  – Go-Free Wireless support
  – Chart Sharing across the network
  – Screenshot Shortcut
  – Faster Internal GPS
  – StructureMap™ HD
  – Export Regions
  – Dual Charts
  – Auto contrast adjustment for StructureScan
  – Built-in PDF Viewer
  – Expanded engine configuration support
  – Insight 3D
  – Navionics Enhancement
    • Contour Shading
    • Shallow Water Shading
    • Dynamic Tides & Currents
    • Easy-View and More!
Insight Genesis™

Insight Genesis maps can now be displayed on Gen2 units. Insight Genesis maps are created in four easy steps:

- **Record**
  - Record sonar logs of your favorite lake

- **Upload**
  - Upload them to the Insight Genesis™ store

- **View**
  - View your map online

- **Download**
  - Download for use in your HDS

GoFree™ Wireless

• A WIFI-1 module will allow screen mirroring through the Lowrance app
• Connect your wireless device to the GoFree™ network.

• Open your Lowrance app and select the HDS you wish to view

GoFree is not compatible with HDS Gen1. A Gen1 on the same ethernet network will cause the network to not function properly.
Chart Sharing

- Chart sharing allows a compatible chart card placed in one HDS display to be viewed on every other HDS display on the same ethernet network.

- Works with Insight, Navionics, Jeppesen and other 3rd party chart providers

- Works only on Gen2 or Gen2 Touch units with 2.0 (or later) software installed

- NOTE: Cartography downloaded from the Insight Store (Insight Genesis, downloaded Insight cards, etc.) are registered to a specific device Content ID and will not share across the network.

When a chart card is inserted into a networked display, this message may appear on all displays on the network (if required to view that chart card)
5Hz update rate internal GPS antenna

- The HDS Gen2 internal GPS antenna now updates at a rate of 5Hz (5 times per second)
StructureMap™ HD

- StructureMaps™ can now be converted and saved in Hi-Resolution.

- When viewed in Saved mode, they retain original resolution and clarity.

- Conversion times will be slightly longer and the StructureMap file size will be larger than non-Hi Resolution StructureMaps.

- StructureMap™ HD logs can be saved and viewed by selecting ‘High Resolution’ on the convert dialog.
Export Regions

- Users can now export waypoints, routes and trails user data (.usr files) based on regions of the chart, rather than all information at once.

- This allows for faster importing and exporting between two MFDs.

- This allows the user to more efficiently manage critical GPS data and easily segment it by lake, state or region.

- To define an area simply select one of the red Xs, drag to the desired location and press enter. Then, select the other red X and repeat.
New Screenshot method

• Screenshots are now taken by pressing the Power and Pages button at the same time.

• The old method of enabling ‘Screen Capture’ no longer functions
StructureScan™ Auto Contrast

- StructureScan™ will automatically adjust the contrast level in either SideScan™ or DownScan™
  - This keeps the user from having to constantly adjust the contrast for the best image
PDF Viewer

- HDS Gen2 can now display PDFs.
  - HDS units shipped from the factory will have the owner’s manual pre-downloaded onto the HDS.

  Navigation can be done by pressing the Page Up and Down softkeys on 8 and 10.

  On HDS5 and 7 users can change Pages through the menus.

PDFs are fully searchable and users can jump to specific pages.
Dual charting

- In split screens with two Chart panes, users can display two different cartography choices at once (Insight, Navionics, or Jeppesen).

When a Navionics card is inserted, the HDS will ask the user if they wish to switch to the inserted mapping card.

Users can also switch at any point by choosing ‘Change to Navionics’ from the Chart options menu.

In Dual Chart mode, one side must be Navionics, Insight and Jeppesen cannot be viewed at the same time.
8 Engine/5 Tank monitoring

- HDS Gen2 units can now monitor up to 8 engines and 5 tanks.
Navionics Improvements

- Navionics viewing options
  - Rock Filter - Show only rocks above a certain depth
  - Easy View - Enlarge on-chart icons
  - Dynamic Tides and Currents – Dynamic icons
  - Contour Shading - Highlight a defined depth region
  - Shallow Water Highlight - Highlight shallow water

[Image of menu options: Colored Seabed Areas, Shading]
Navionics Easy View

- When enabled, this feature increases the size of the cartography on screen, as though the user were using a magnifying glass.
  - This feature is controlled with a simple on/off toggle—Easy view is found under View in the Chart Options menu.
Dynamic tides and Currents

- The dynamic tides & currents feature replaces the standard Navionics tide/current icons with larger, animated icons that show the tide levels and the current strengths and directions.
  - This feature is controlled with a simple on/off toggle- Dynamic Tides & Currents is found under View in the Chart Options menu.

Turned off

Turned on
Rock Filtering

- Navionics has introduced a feature that allows users to hide rock POIs beneath a given depth. This is intended to help users declutter charts in areas where there are many rocks located at depths well below their vessel draught.
  - The feature is a slider bar, found under Chart Options—Settings, that allows the user to choose a depth below which rocks will be filtered.

All rocks enabled  
Rocks below 5m disabled
Depth Contour Shading

- This allows the user to specifically highlight a specific range of depths for fishing purposes. The range will only be as accurate as the underlying chart data, meaning that if the chart only contains 5 meter intervals for contour lines, the shading will round to the nearest available contour line.

  - This feature is controlled with two adjustment bars, found under Chart Options– View. A Max depth must be chosen first.

No highlighting enabled

Contours highlighted between 6-12m
Shallow Water Highlight

- This feature allows the user to highlight areas of water between 0 feet and the selected depth (up to 30 feet).
  - This feature will be implemented with a slider bar, allowing the user to select a depth between 0 and 30 feet. This option is under Chart Options—View

No Shallow Water Highlight

Depths between 0-3 meters
Improvements

• New Pages Menu-Icons match HDS Gen2 Touch
Improvements

• New screen layout options
  • Users can customize the way their split screens are laid out.
  • Users of HDS8 and 10 can save 6 different favorites to the softkeys on the pages menu

Layout customization is done by pressing Menu from the Pages screen.
Improvements

- 3D Perspective view with Insight- Pan and Rotate charts to highlight structure differences.
Improvements

- Faster Pan and Zoom+/-
- HDS Gen2 can now transmit and receive ClassB Static AIS data (with a ClassB AIS device connected) as well as AIS Aids to Navigation