View8300 Software
User’s Manual

Monitoring and configuration software for the OmniSTAR 8300HP receiver

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Notice to Customers

This manual has been produced to provide instructions how to use View8300 version 2.1 software with your OmniSTAR 8300HP receiver. The manual has been clearly set out with simple instructions to ensure trouble free usage of the software.

This publication could contain technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the manual.

REVISION HISTORY

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Introduction

About This Manual
This manual has been produced to allow the typical user to easily control the OmniSTAR 8300HP from your PC.

Requirements
A windows 9X/ME/NT/2000/XP based PC with one RS232 COMM. Port is needed for the View8300 software.

Installation
Double click on the View8300 setup.exe file.
Follow the on screen instructions to install the View8300 software.

Starting the View8300 software

Connect the 8300HP to the computer
Before using the software the HP port of the 8300HP must be connected to the serial port of the PC via the serial cable that was provided with the 8300HP.

Start up the View8300 software
Click on the Windows Start button and select Programs -> OmniSTAR -> View8300 and click on View8300.
If you’ve chosen a different location for the software during the installation than go to that location to start up View8300.
Once the program has started you’ll see the following screen.

![Main screen after start up](image)

**Figure 1 Main screen after start up**

**Connect View8300 to the 8300HP**

From the main screen menu (see figure 1) click File -> Connect. The Select Com Port window will pop-up (see figure 2).

Select the comm. port of the PC the 8300HP is attached to and configure the port using the Configure button.

The most common setting for the communication is 9600 baud, 8 data bits, N parity and 1 stop bit.

After clicking OK from the Select Com Port window the program returns to the main screen and the labels should be filled with information from the receiver (see figure 3).
Figure 2 Select Com Port window

Figure 3 Main screen after connection
Checking the status of the 8300HP

Position window

The position window (see figure 4) provides the current position of the antenna connected to the receiver. It also provides the date and time, standard deviation values, position type, position status, Age of Data of the OmniSTAR correction signal, number of L1 and L2 observations and the solution age.

![Position window](image)

Figure 4 Position window
DGPS correction satellite status window

The DGPS correction satellite window (see figure 5) provides detailed information about the status of the connection with the OmniSTAR satellite.

![DGPS Correction Satellite Status Window](image)

Figure 5 DGPS correction satellite status window
Subscription details window

The subscription details window (see figure 6) provides the OmniSTAR VBS and OmniSTAR HP subscription information.

Figure 6 Subscription details window
Firmware version window

The firmware version window (see figure 7) provides the receiver type, serial number and firmware versions.

![Firmware version window](image)

Figure 7 Firmware version window
Receiver hardware levels window

The Receiver hardware levels window (see figure 8) provides the receiver’s board temperature, CPU core voltage, supply voltage, RF supply voltage, LNA voltage and antenna current.

![ Receiver Hardware Levels window](image)

Figure 8 GPS Satellites window
Configure the 8300HP

Configure the OmniSTAR satellite service

From the main screen menu click Configuration -> DGPS service. The Select DGPS service window (see figure 11) will pop-up.

Select OmniSTAR as the HP and differential source and choose the right satellite for your region or fill in a frequency and baud rate manually.

Clicking OK will send the changes to the receiver. Clicking Cancel will discard them.

Figure 9 Select DGPS Service window
Configure the receiver ports

From the main screen menu click Ports -> Port 1,2,3.

The Port settings window (see figure 12) will pop-up.

Clicking OK will send the changes to the receiver. Clicking Cancel will discard them.

Figure 10 Port settings window
Configure the receiver parameters

From the main screen menu click Configuration -> Receiver parameters.

The Receiver parameters window (see figure 13) will pop-up.

Clicking OK will send the changes to the receiver. Clicking Cancel will discard them.

![Receiver Parameters Window](image)

Figure 11 Receiver parameters window
7 Parameter Datum transformation

From the main screen menu click Configuration -> Datum.

The Datum window (see figure 14) will pop-up.

Clicking OK will send the changes to the receiver. Clicking Cancel will discard them.

Figure 12 Datum window
Configure NMEA output

From the main screen menu click Configuration -> Output -> Port 1,2,3.

The Port output window (see figure 13) will pop-up.

Clicking OK will send the changes to the receiver. Clicking Cancel will discard them.

Figure 13 Port output window
Configure 1PPS output

From the main screen menu click Configuration -> PPS Control.

The PPS Control window (see figure 14) will pop-up.

Clicking OK will send the changes to the receiver. Clicking Cancel will discard them.

Figure 14 PPS Control window