

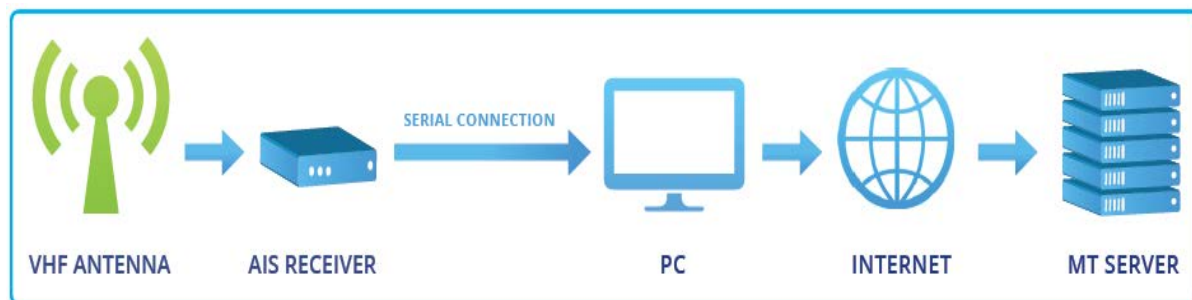
MarineTraffic

AIS DISPATCHER

HOW TO SET-UP FOR USE WITH AN AIS RECEIVER WITH SERIAL OUTPUT AND SHARE DATA WITH MARINETRAFFIC

If you own an AIS receiver with a serial data output and you wish to share your data with **MarineTraffic**, you will need an AIS data forwarding utility such as AIS Dispatcher. You will also need a dedicated PC with RS232 and ethernet Ports, XP or newer OS (for the windows version) and a stable internet connection.

- First step is to connect your receiver to your PC using a standard serial cable. Make sure your COM port is configured as 38400,8,N,1 no flow control and your PC has access to the internet. Your equipment should be setup as shown below:



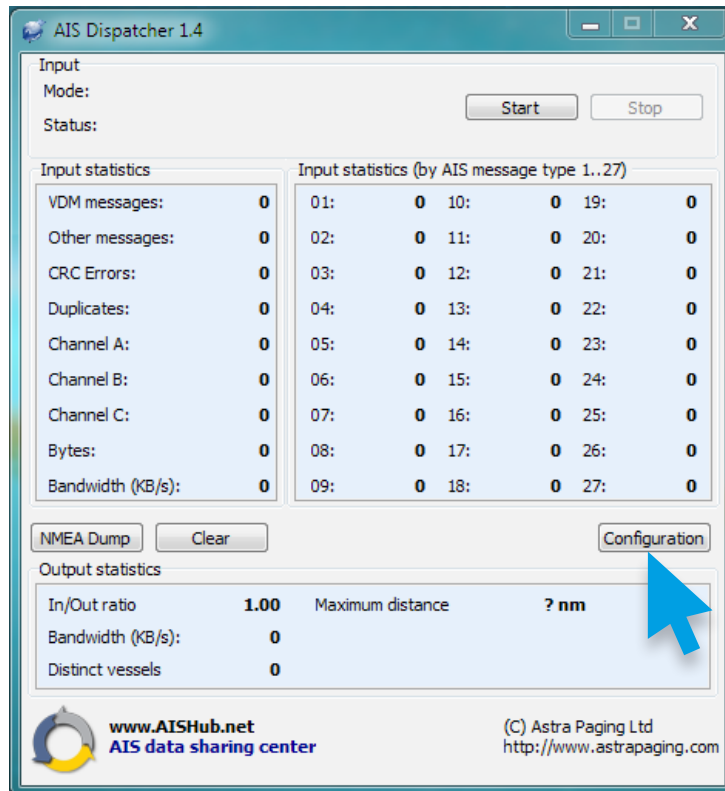
- Next download AIS Dispatcher from here:
<http://www.marinetraffic.com/files/aisdispatcher-1.4.zip>

Note:

This guide covers the Windows version only.

A Linux version of AIS Dispatcher is also available.

- Unzip the tool and place the folder on your Desktop.
- Open the folder and double-click on the **AISDispatcher.exe** file.
- The application will start and you should see the main window:



AIS Dispatcher 1.4

Input Mode: Start Stop


Status:

Input statistics		Input statistics (by AIS message type 1..27)					
VDM messages:	0	01:	0	10:	0	19:	0
Other messages:	0	02:	0	11:	0	20:	0
CRC Errors:	0	03:	0	12:	0	21:	0
Duplicates:	0	04:	0	13:	0	22:	0
Channel A:	0	05:	0	14:	0	23:	0
Channel B:	0	06:	0	15:	0	24:	0
Channel C:	0	07:	0	16:	0	25:	0
Bytes:	0	08:	0	17:	0	26:	0
Bandwidth (KB/s):	0	09:	0	18:	0	27:	0

NMEA Dump Clear Configuration

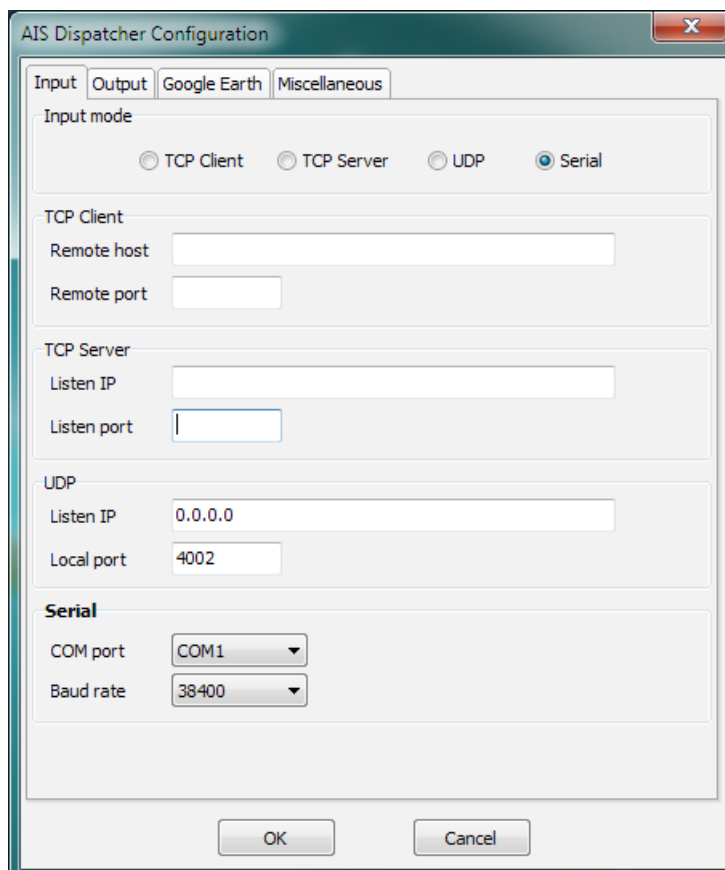
Output statistics

In/Out ratio	1.00	Maximum distance	? nm
Bandwidth (KB/s):	0		
Distinct vessels	0		


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Click on the **Configuration** button in order to enter the application's configuration menu.



AIS Dispatcher Configuration

Input Output Google Earth Miscellaneous

Input mode

TCP Client
 TCP Server
 UDP
 Serial

TCP Client

Remote host:

Remote port:

TCP Server

Listen IP:

Listen port:

UDP

Listen IP:

Local port:

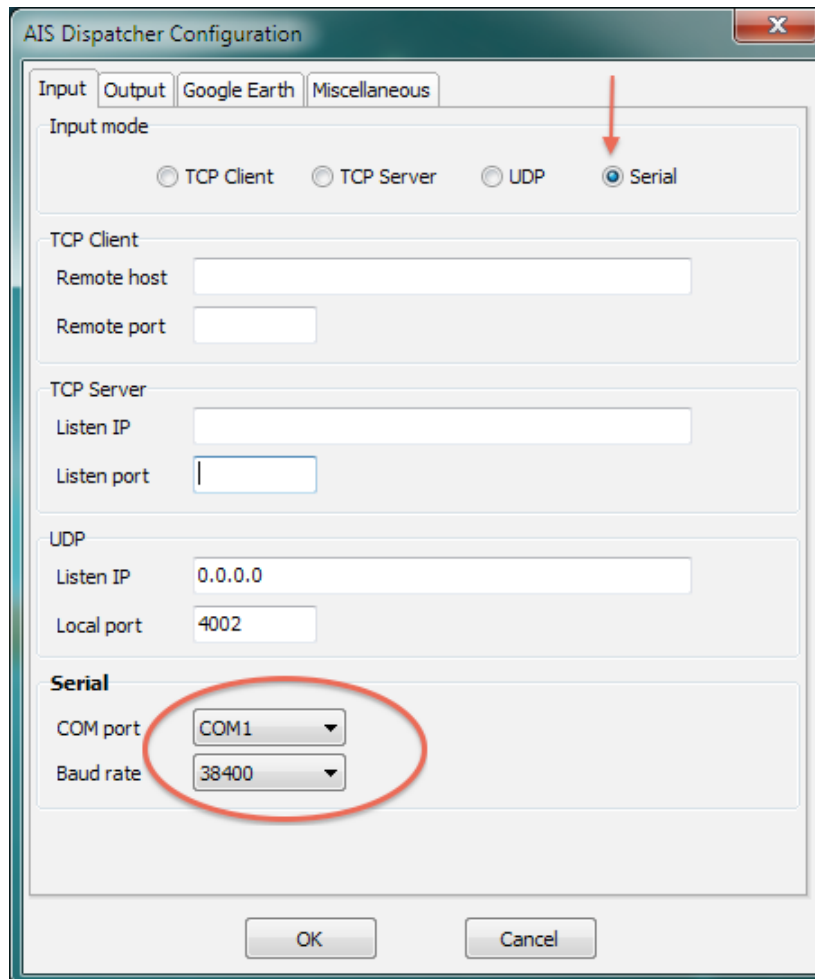
Serial

COM port:

Baud rate:

OK Cancel

- At the **Input** tab select serial input method, the COM port that your receiver is connected to and the standard AIS serial data speed (38400):



- Now, click on the **Output** tab. Here you will have to enter the details of the server to which the utility will send data to.



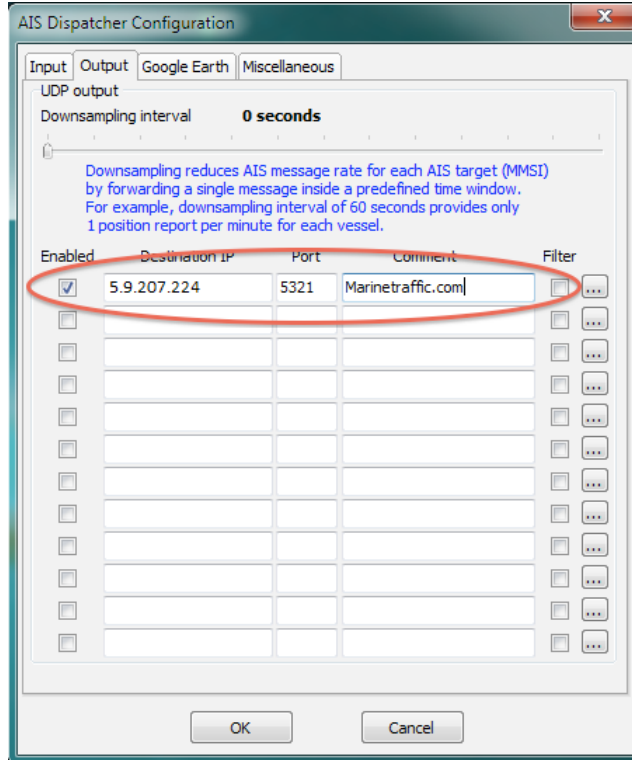
IMPORTANT

If you haven't done this already, please visit the MarineTraffic website (<http://www.marinetraffic.com>) and register yourself by creating a New Account.

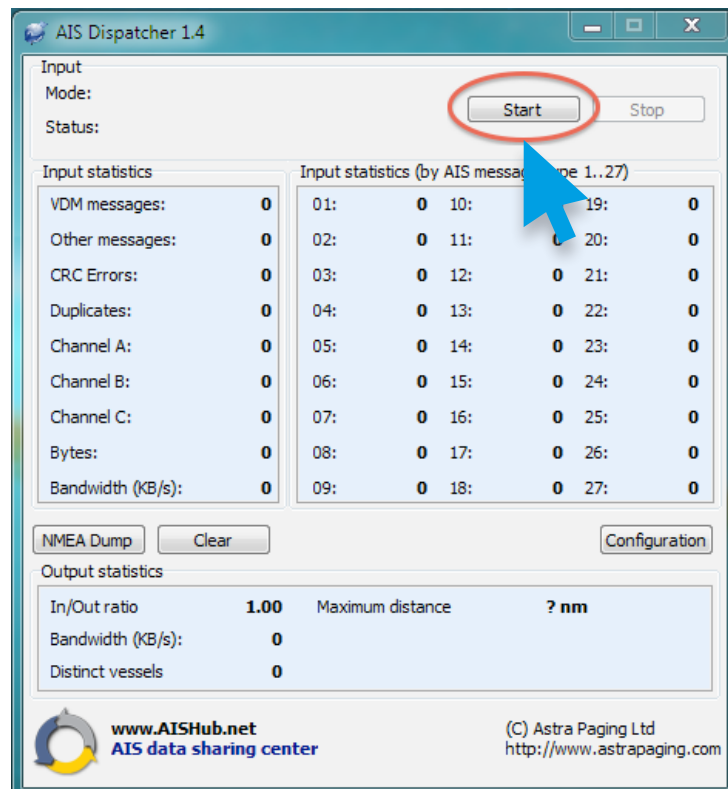
Upon registration, sign-in to your account (top right corner) and click on My Account > My Stations > Add Receiving Station to add your Station to the MarineTraffic Network.

This way, you will get a new Station ID and a unique Port Number to send your data to.

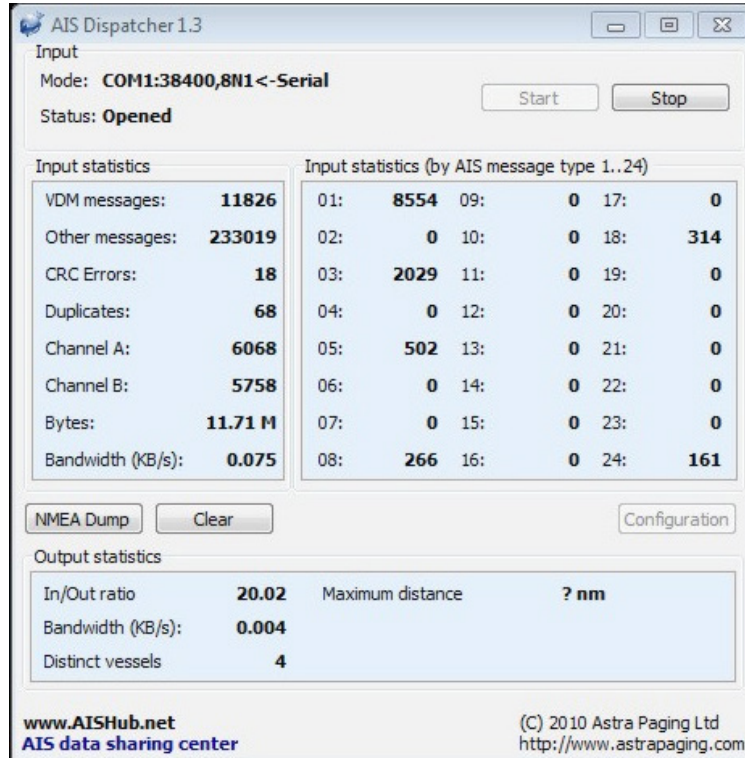
- Now, fill in the details in the appropriate fields, as shown below:



- In the **port** field, enter your unique port number. When finished, tick the **Enabled** checkbox and click on the **OK** button. Another point of interest in this tab is the **Downsampling interval** slider. While we encourage our users to leave it at 0, you can use it to downsample the rate of AIS-data flow (in case you have internet bandwidth concerns).
- You will now get back to the application main window. Click on the **Start** button:



- A few moments later, the reception of AIS data should begin:



AIS Dispatcher 1.3

Input
 Mode: **COM1:38400,8N1<-Serial**
 Status: **Opened** [Start] [Stop]

Input statistics		Input statistics (by AIS message type 1..24)					
VDM messages:	11826	01:	8554	09:	0	17:	0
Other messages:	233019	02:	0	10:	0	18:	314
CRC Errors:	18	03:	2029	11:	0	19:	0
Duplicates:	68	04:	0	12:	0	20:	0
Channel A:	6068	05:	502	13:	0	21:	0
Channel B:	5758	06:	0	14:	0	22:	0
Bytes:	11.71 M	07:	0	15:	0	23:	0
Bandwidth (KB/s):	0.075	08:	266	16:	0	24:	161

[NMEA Dump] [Clear] [Configuration]

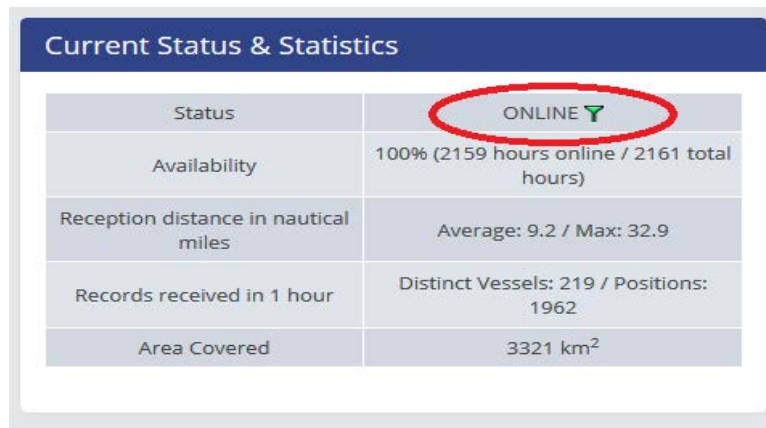
Output statistics

In/Out ratio	20.02	Maximum distance	? nm
Bandwidth (KB/s):	0.004		
Distinct vessels	4		


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- Finally, visit your station's Details page and make sure your station status is **ONLINE** (it may take a few minutes for that to happen):



Current Status & Statistics

Status	ONLINE 
Availability	100% (2159 hours online / 2161 total hours)
Reception distance in nautical miles	Average: 9.2 / Max: 32.9
Records received in 1 hour	Distinct Vessels: 219 / Positions: 1962
Area Covered	3321 km ²

That's it!

You are now sharing your data with us.

We sincerely appreciate your contribution to our site and your help to expand our services and coverage.

