



## **Engineer note**

### **Adding a new buoy at the buoy list of the Artemis HMI software**

#### **Introduction**

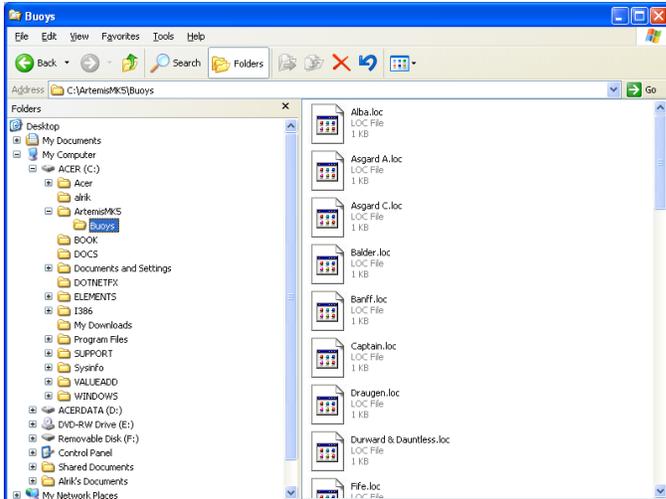
The Artemis Mk5 HMI software contains a pre-programmed list with buoys equipped with Artemis stations. This is a standard list and does not contain all buoys all over the world. However it is possible to add a new buoy to the list. This document describes how to add a buoy at the buoy list of the Artemis HMI software.

**Important note:** The buoy list only set frequency pair and address code to the Artemis. Communication parameters for DP communication kept unchanged.

#### **Procedure**

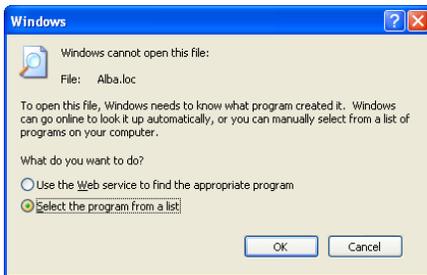
##### **Step 1: Selecting a existing buoy**

Locate the existing buoys at the folder "C:\artemismk5\buoys" at the computer with windows explorer:



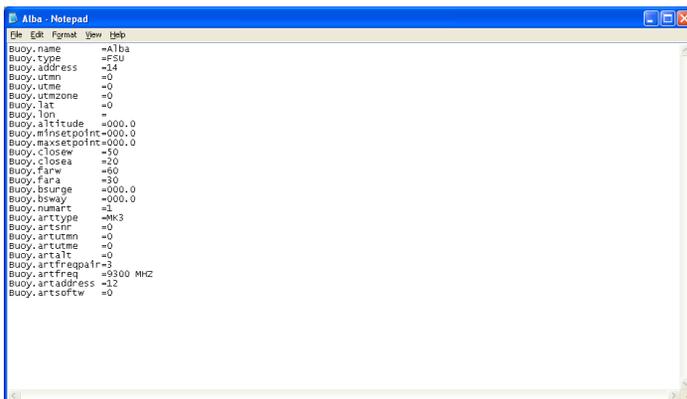
Open the first buoy: “Alba.loc” by double clicking on it

Sometimes windows comes up with following popup:



Tick “select program from a list”

And select Notepad or Wordpad to open the file:



## Step2: Entering correct parameters

Only the follow three parameters have to be set:

Buoy.name =alba

Buoy.artfreqpair =3

Buoy.artaddress =12

Change “alba” into the name of your new buoy.

Change frequency pair 3 into the frequency pair of the new buoy

Change the artemis address 12 into address of the new buoy

For example if name of the new buoy is “test” with frequency pair 0 and address 33 you make settings as:

Buoy.name =test

Buoy.artfreqpair =0

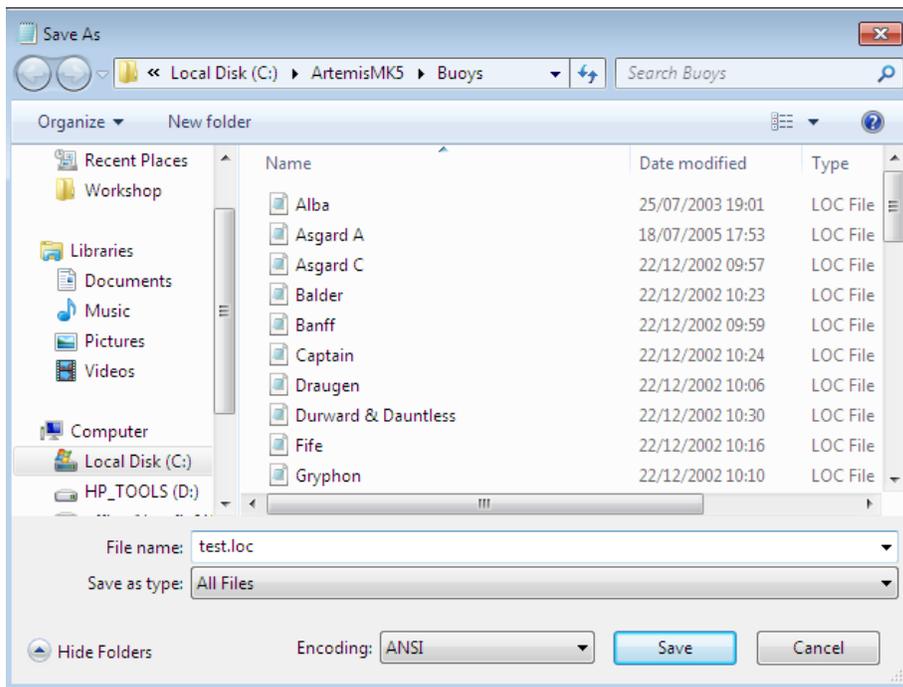
Buoy.artaddress =33

All other parameter does not affect performance and you do not have to change.

Select in notepad <File> <Save as> and save this buoy with the new name of the buoy. In this example test.loc (do not forget the extension .loc)

And select “file type”: all

As follows:

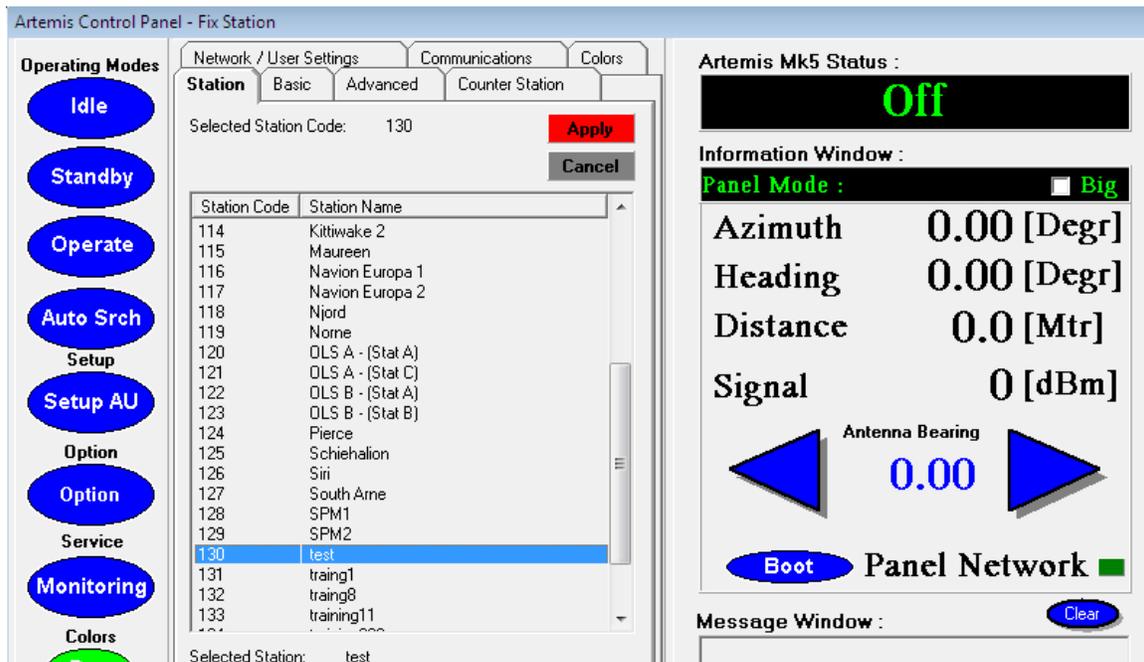


And Press <Save>.

Now the buoy “test” is added in the buoy list and can be found in C:\artemismk5\buoys

In the artemis HMI software the buoy will also be shown in the station list. (<Setup AU> <Station> )

Note: When you just made the buoy you have to refresh the list by entering the “basic” tab and then again go to the “station” tab. The new buoy will be shown with the frequency and address as set:



**End of procedure**