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**Artemis MK4 Simulator**

# **Artemis Simulator**



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# Chapter 1

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## Installing software

Place the CD-ROM in your CD-ROM Drive. If the auto-start of data CD-ROM's in your operating system has been enabled the installation program will start automatically. Else go to the CD-ROM Drive and double click the file Install.exe.

This show you the installation screen. (fig 1)



(fig 1)

The installation consists out of two parts:

- The installation of the actual simulator
- The installation of the dongle drivers (software protection)

The order of installing these two programs is not important. But the simulator will only work if both are installed. After installing the software Re-start your computer to initialize all software.

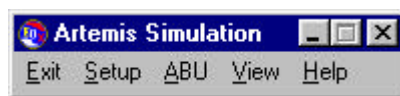
Your computer is now set to run the Artemis MK4 Simulator.

# Chapter 2

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## Menu Discription

The Artemis MK4 Simulator has a small menu to control the simulator and to display some view windows. (fig 2.0)



(fig 2.0)

The menu consists out of five items:

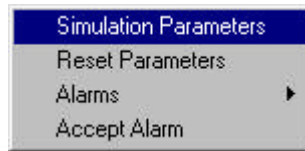
- |         |                                |        |
|---------|--------------------------------|--------|
| ■ Exit  | (Quits the program             | Alt-E) |
| ■ Setup | (Opens the Setup menu          | Alt-S) |
| ■ ABU   | (Opens the Operator panel menu | Alt-A) |
| ■ View  | (Opens the View menu           | Alt-V) |
| ■ Help  | (Opens the Help menu           | Alt-H) |

## Exit Menu

This item will close all windows and quits the program. All settings made are lost. The Serial output is closed.

## Setup Menu

This item will open the Setup menu. (fig 2.1)



(fig 2.1)

The Setup menu has four items:

- Simulation Parameters
- Reset Parameters
- Alarms
- Accept Alarm



## Simulation Parameters

This item allows you to change all the settings necessary to setup the simulator (fig 2.2)

### Artemis Counter Station.

When working with a artemis station you will need a counter station. You can select one from the list. Some stations have their own control panel e.g. MK4 Fix and the MK 4 Beacon. The other stations are setup by changing the Artemis MK3 Settings.

### Artemis MK3 Settings.

These settings are only available when a MK3 Beacon or MK3 Fix station. These settings are: Address code, Frequency and +/- 30 MHz.

### Software in Mobile Artemis.

Selection of Shuttle Tanker Software installed in the artemis unit.

### Peripheral Output.

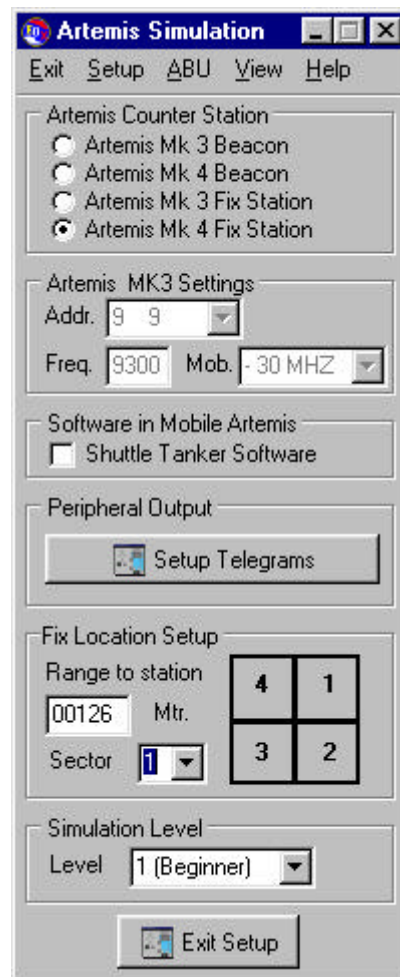
See separate section.

### Fix Location Setup.

This specifies the Range to the Counter station and the sector it's in.

### Simulation Level.

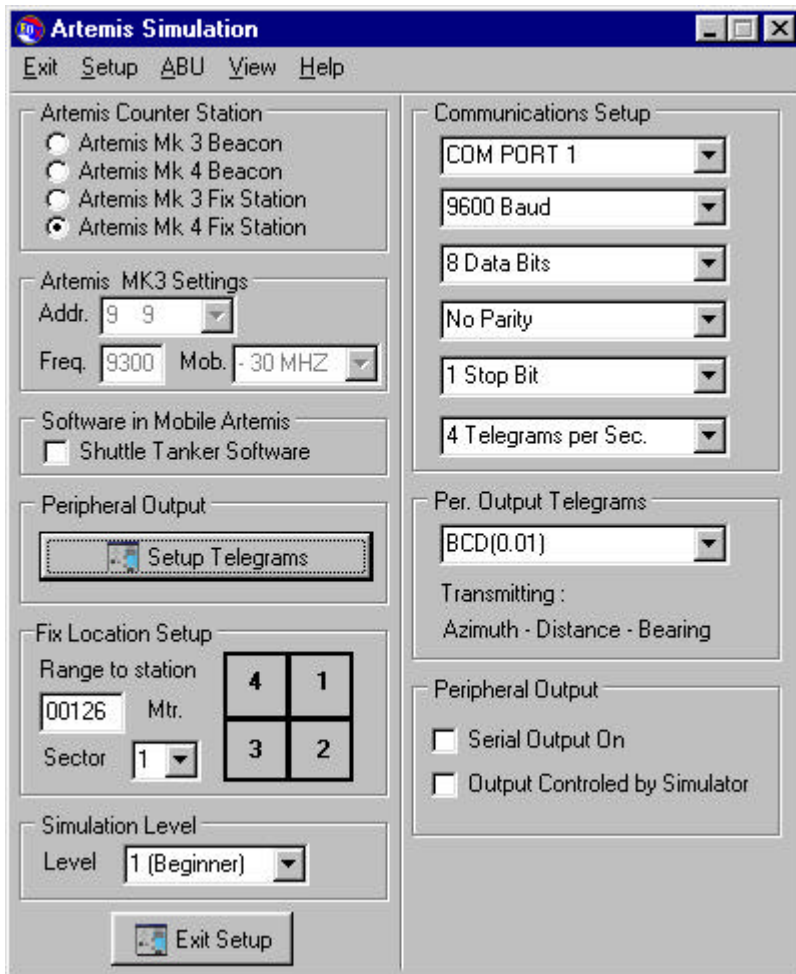
Training level.



(fig 2.2)

### Peripheral Output.

When pressing the Setup Telegrams button a sepperate part of the simulation parameter menu appears. (fig 2.3)



(fig 2.3)

### Communications Setup.

In this section you can change the communications setup when the output is not controlled by the simulator itself.

Com Port and Telegrams per Sec. will be available.

### Pet Output Telegrams.

In this section you can change the peripheral output telegram. The telegrams are as specified in the artemis manual.

### Peripheral Output.

In this section you can switch on the output transmitted via the serial port.

If you select 'Output Controlled by Simulator' then every change of the peripheral port settings via the control panel will effect the output.

### ***Reset Parameters***

This item will reset all parameters to the default settings. When changing many settings it can be helpful for a beginner to reset all the settings.

### ***Alarms***

This item will allow you to select out of two kinds of alarms that will go off during the simulation in one of the advanced levels. (fig 2.4)



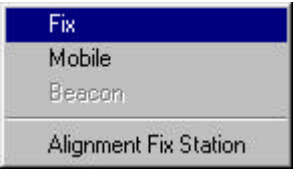
(fig 2.4)

### ***Accept Alarm***

This item will turn off the alarm sound.

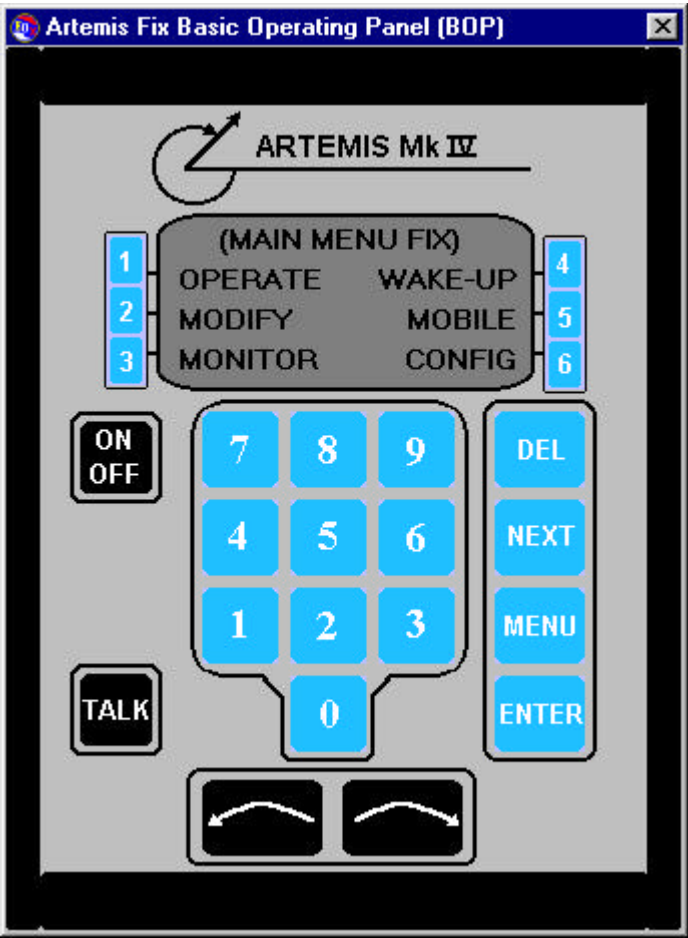
# ABU Menu

This item will open the ABU menu. (fig 2.5)

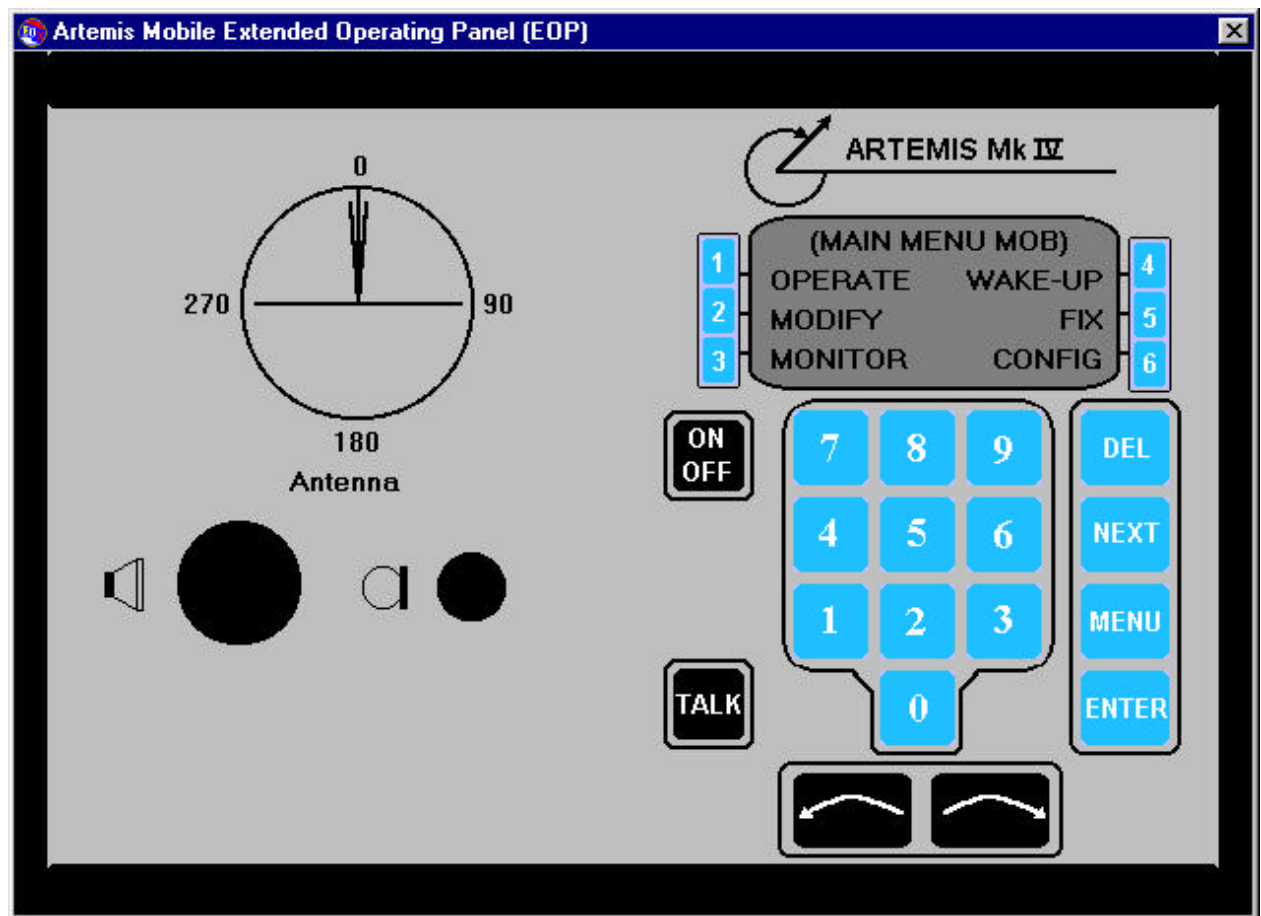


(fig 2.5)

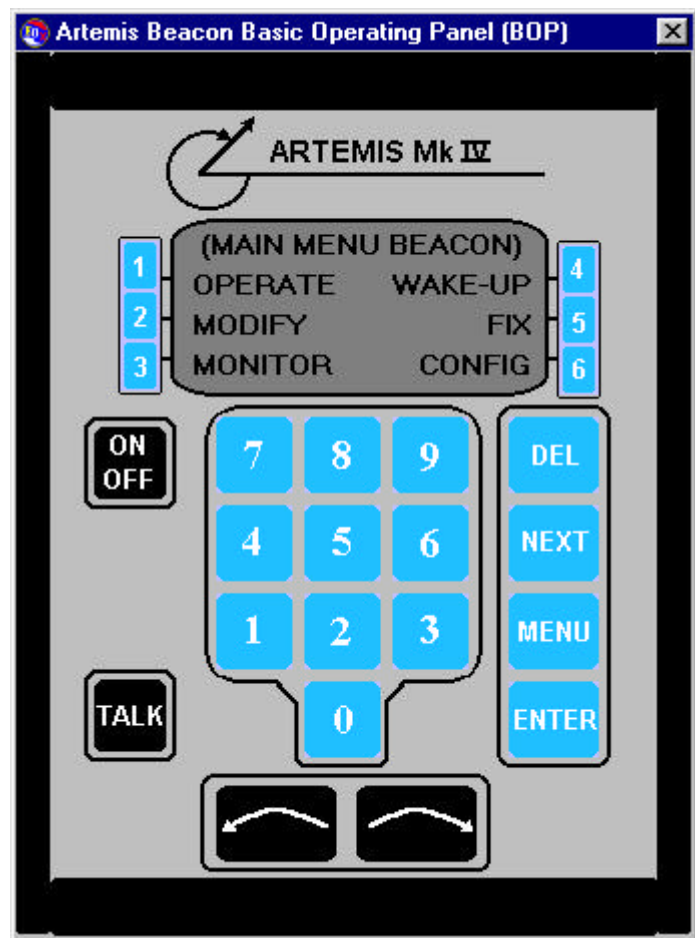
This menu will allow you to select the available operating panels and a ‘simulation’ of aligning the fix station to a known point.



Basic Operating Panel



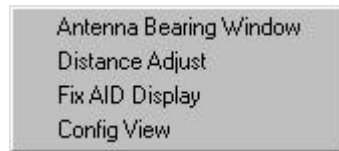
Extended Operating Panel



Basic Operating Panel used for Beacon

## View Menu

This item will open the View menu . (fig 2.6)

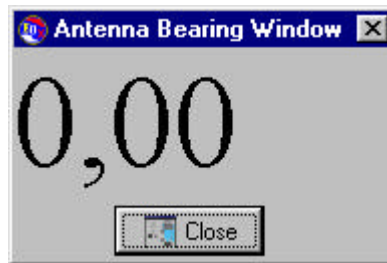


(fig 2.6)

All the items in this menu represents another window that can help the operator when using the simulator.

### ***Antenna Bearing Window***

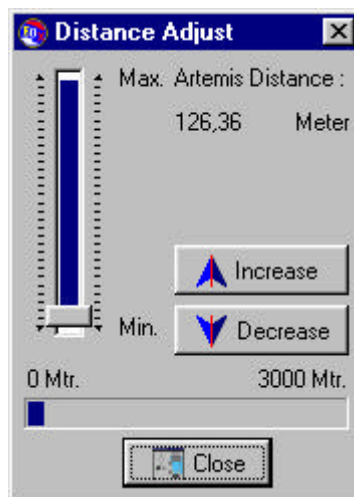
The antenna bearing window shows you a numeric representation of the mobile antenna bearing. (fig 2.7)



(fig 2.7)

### ***Distance Adjust***

The distance adjust window allows you to change the value of the distance (range) when the simulation is active. (fig 2.8)

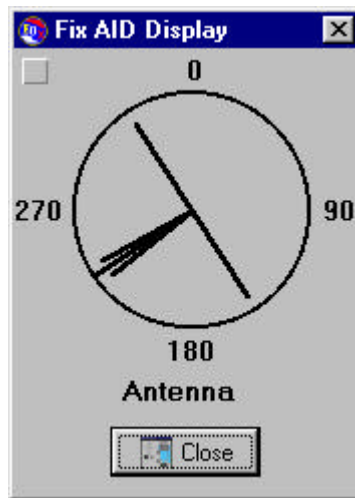


(fig 2.8)



### ***Fix AID Display***

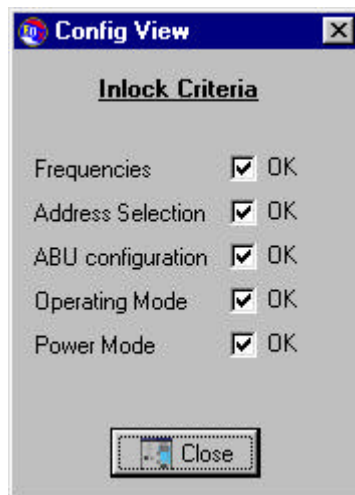
The Fix AID Display (antenna indication display) shows you a analog way of displaying the azimuth of the fix station similar as the AID display of the mobile control panel (EOP). (fig 2.9)



(fig 2.9)

### ***Config View***

The config view windows shows the user if the configuration of the simulator is good. (fig 2.10)



(fig 2.10)

## Help menu

This menu will show you this manual and the about box. (fig 2.11)



(fig 2.11)

