



# Artemis Mk5 HMI software

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Quick guide for Mobile station

## Introduction

This document describes the most important settings to operate an Artemis Mk5 Mobile station with the Artemis HMI software.

## Description

The Artemis HMI software consists of two programs:

- The Artemis network program
- The Artemis control panel.

Therefore there are two shortcut icons on the desktop:

Shortcut icon control panel:



Shortcut icon network program:

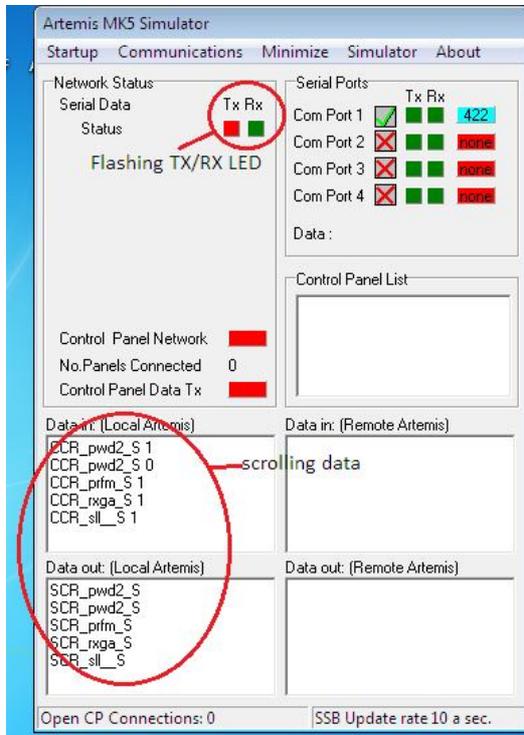


## Artemis Mk5 network program

The Artemis Mk5 network program takes care for the communication between the Artemis computer and the antenna unit up into the mast.

Correct communication is indicated by:

- Flashing TX/RX LED
- Scrolling data in the “data in” and “data out” box

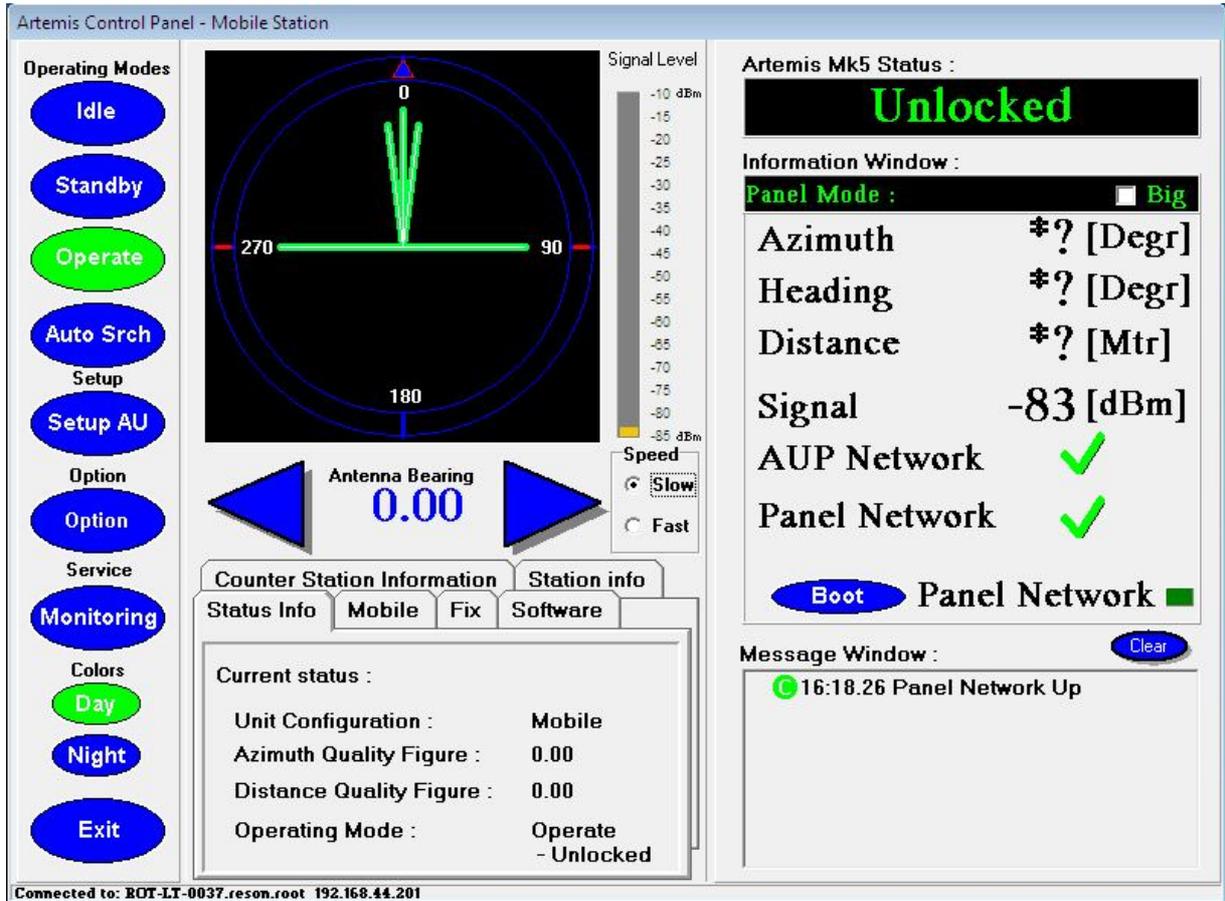


The network program have to run always, but you do not have to see it all the time. Therefore when everything is ok press the “minimize” tab to minimize the program:



## Control panel

The control panel software is the software to control the Artemis.



## Operate modes

On the left side of the control panel the operate modes could be selected

### STANDBY:

Select Standby when the Artemis is not in use. (We recommend not to switch off the unit but use standby mode)



Click on the standby box (box will get green) to switch to standby mode.

### OPERATE:



When clicking with the mouse on the "operate" box (box will get green) you switch the Artemis in manual search mode. In manual search mode you should use the Arrow keys (by pressing mouse on it) to rotate the scanner.:



Keep the mouse pressed at the arrow key to move the antenna.

## AUTO SEARCH

By selecting both the "operate" and "auto Srch" box (both get green) the Artemis will be in auto search mode. (Antenna scan automatic)



When you like to switch back to operate mode (manual search) just press again at the "auto srch" box (will get blue again) to switch auto search off.

## Status

In the "Status" box you see current status of the Artemis.



When the Artemis has found and locked in to the counter fix station, status is indicated with Locked:



## Big screen

To increase the font of the control panel you can select "big screen" by ticking the big box.

**Panel Mode :**  **Big**

Making normal size again by un-ticking the "big box"



## Configuring/ setting up the Artemis.

By pressing with the mouse at the "setup AU" box  you have access to several menus to configure the Artemis.

**NOTE: For some menus a password is requested to make the changes valid.**

**The password to enter is "setup".**

If you like to go back to the normal operate screen you have to press the setup box  again.

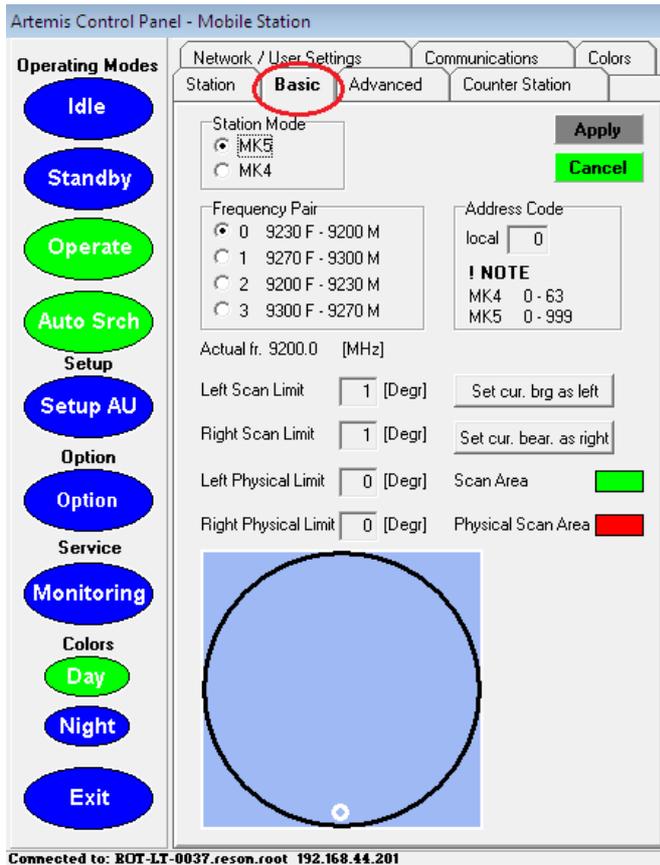
Every time you make a change to the configuration (frequency, address etc.) you have to press the Apply



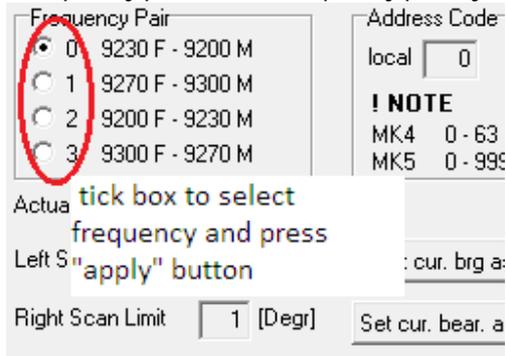
button to make them valid and taken over by the system

## Basic menu

When pressing at the basic tab at the setup menu you can change basic settings as frequency, address etc.



- Station mode: Not important you can ignore. This does not affect performance.
- Frequency pair. Select frequency pair by ticking the box and press Apply button.



- Address code. Type in address code in the box and press apply.

Address Code

local

**! NOTE**

MK4 0 - 63  
 MK5 0 - 999

-Scan limit. Scan limits are used when you use Auto search mode. Fill in the left and right scan sector and press “apply” button. This will be the sector the scanner will turn when Auto search is selected. (in this example between 90 and 270 degrees)

Left Scan Limit  [Degr]   
 Right Scan Limit  [Degr]

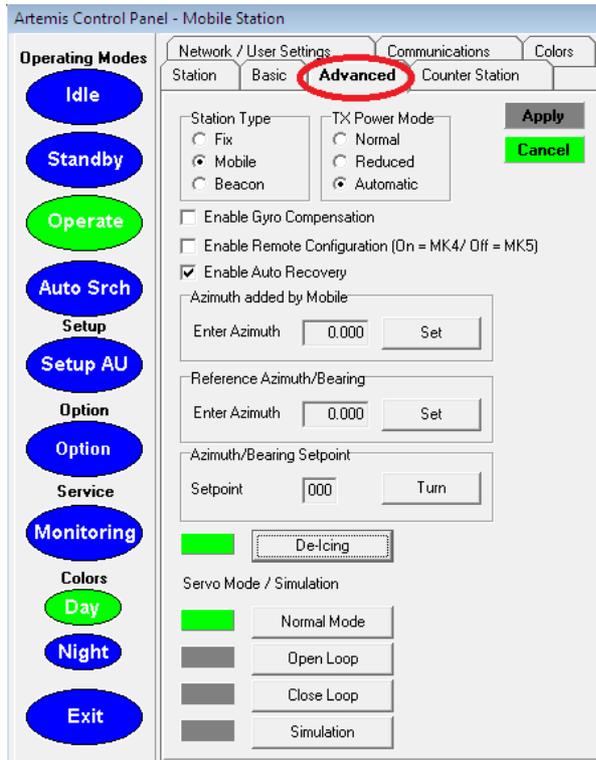
-Physical scan limit

**Never use physical scan limit. Keep these values zero!!!:**

Left Physical Limit  [Degr] Scan Area    
 Right Physical Limit  [Degr] Physical Scan Area  

## Advanced menu

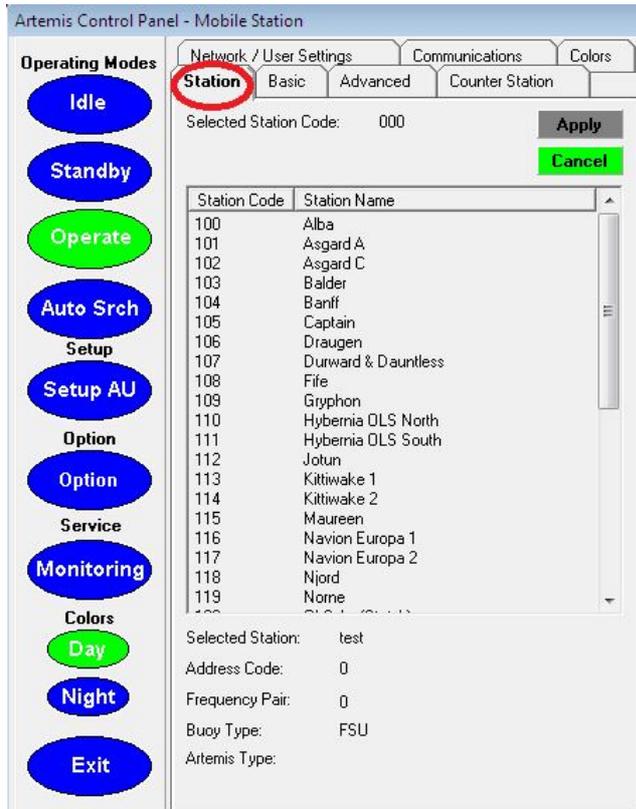
In the advanced menu advanced settings could be set



- Station type: Mobile
- Tx power mode: Automatic
- Enable auto recovery: Box should be ticked.
- “Azimuth added by mobile”: always 0
- “Reference Azimuth/Bearing”: This value should be 0 when the scanner is pointed to ships bow. (If this value is not ok you will get heading errors at the DP)
- “Azimuth/bearing Setpoint”: always 0
- “De-icing”: Click at box to switch on antenna heating. (when on, status will be green)
- “Normal Mode”: always status green

## Station

With the Station menu it is possible to select a pre-programmed station. When select a station from the list and press the apply button the frequency pair and address for this particular station is set.



See document "Engineer note buoy adding" how to add a new buoy/station into the list.

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