NAVITAG RECORDER

Last update: 08/02/20211
Version: 4.5

Contents

1 Introduction

The NaviTagRecorder program logs UDP broadcast packets to a single file without modifying the data.
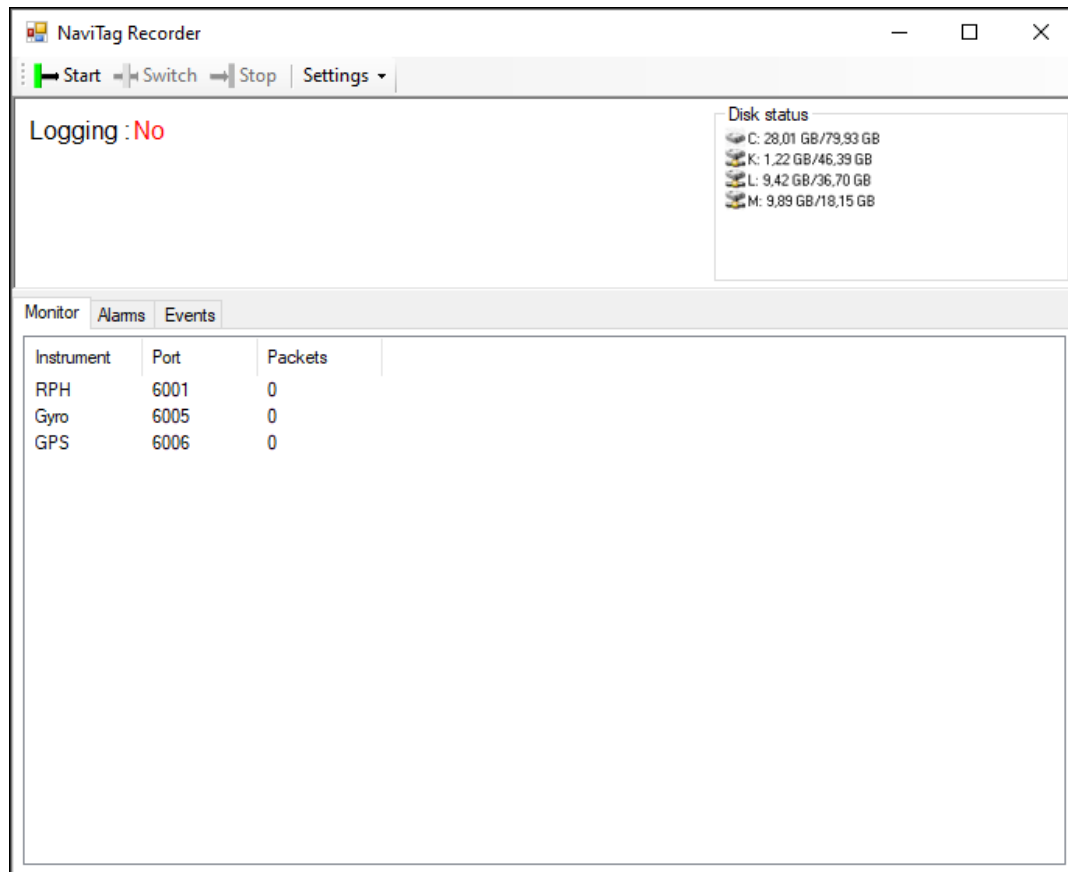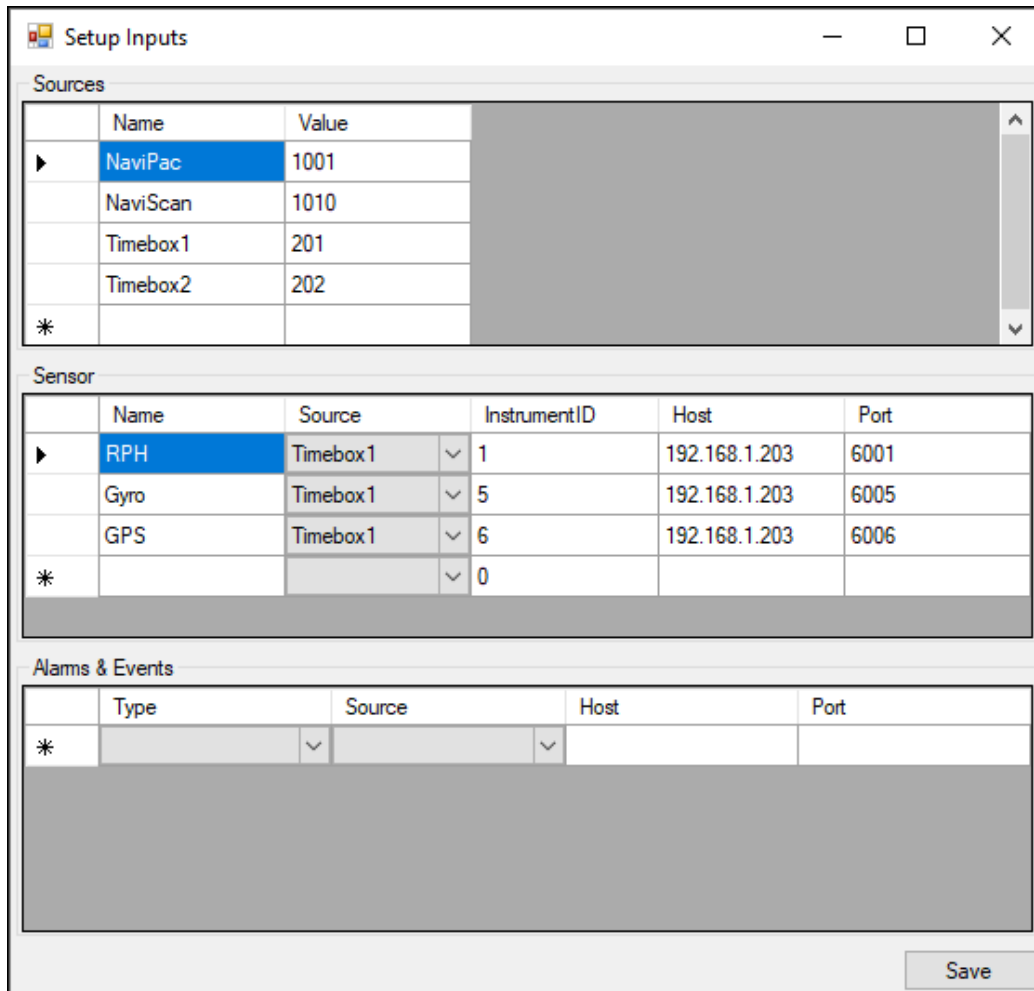

Figure 1 NaviTag Recorder

When configured the program can be controlled by the 3 buttons, **Start**, **Switch** and **Stop**. If log control is enabled (Log setup), start/stop and switch can be controlled by NaviPac.

2 Setup

From the **Settings** menu 2 things can be configured, **Input** and **Logging**.

2.1 Inputs

Figure 2 NaviTag Recorder Setup Inputs

The row **Value** shows an identification number (used in the logged data).
For TimeBox/ATTUS they need to use the values as the last number in the IP address.

2.1.1   Sources

The sources list contains a list of source devices. A source device can be any application capable of UDP broadcasting or a TimeBox.

A common setup would be as show above. NaviPac, NaviScan, and a list of TimeBoxes.

For timeboxes the value should be the last part of the ip address.

2.1.2 Sensors

This is a list of the sensors the system should record.
Select a name, and the source where the sensor is connected.
Specify the Host (IP) and the UDP port for this sensor.

For TimeBoxes, the InstrumentID is the RS232 port number.

For example, in the above picture 3 sensors are connected to the system. All 3 sensors are connected to Timebox1 (IP 192.168.1.203).
The RPH sensor is on serial port 1, the GYRO on number 5 and the GPS on 6.
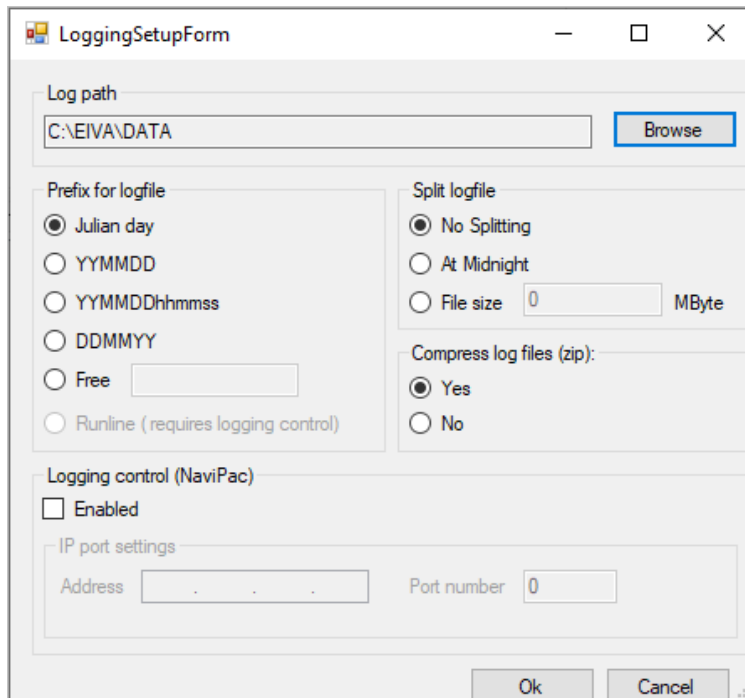
2.1.3 Alarm & Events

2.2 Logging

Figure 3 Logging

2.2.1 Log Path

Log path should be a directory dedicated to NaviTagRecording.
When the system is running, it will create a new directory under **log path** and store log files here. When stopping or switching, the content of the directory is compressed to a single file placed in **Log path**. This file contains all data and metadata for this recording.

2.2.2 Prefix

The prefix is calculated based on start time. The name of the logfiles will be the prefix followed by nXXX.zip, where XXX is a three digit logfile number for the given day. Eg a Julian day logfile could be named J311n000.zip

2.2.3 Logging control

If logging control is enabled, the start/stop and switch commands can be controlled by NaviPac.
Furthermore it allows **NaviTagRecorder** to use the runline name as logfile prefix.