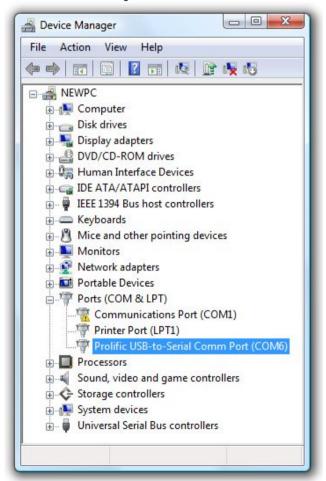
## Installing the GPS Receiver

The supplied USB GPS receiver allows to log the geographic coordinates of the recorded .wav files from the Avisoft-RECORDER software.

It is required to install a device driver for the GPS receiver. This can be done from the supplied NAVILOCK installationCD, from the GPS subfolder on the Avisoft Bioacoustics CD or from the manufacturer website www.navilock.com.

Once the GPS receiver is connected to the PC, a new USB device will be detected and its "USB-Serial Controller" driver should be finally installed.

The sucessfully installed driver is listed on the Ports section of the Windows Device Manager as a "Profilic-to-serial Comm Port":



Windows automatically assigns the GPS receiver to a virtual COM port (COM6 in the above example).

The installed GPS receiver can then be selected from the Avisoft-RECORDER command 'Options''GPS Settings...'. By clicking at the Scan ports! button in the GPS receiver communication settings section, the GPS receiver will be detected automatically. Alternatively, you might select the serial port communication settings (port number and boud rate) manually.

The GPS data logging mechnaism is activated from the option **enable GPS receiver communication** at the top of the dialog box.

GPS Settings	X
GPS reveicer communication  GPS reveicer communication settings  COM port: COM6 Scan ports!  Boud rate: 4800 GPS at COM6	OK Cancel Help
show detailed GPS satellites status	
log file format: GPS Exchange Format (.gpx)  filename: recording add date create individual log files for each .wav file .wav file track log create track if distance > 20 m additional waypoints at 30 sec intervals	
log file format: GPS Exchange Format (.gpx)  filename: monitoring add date  track log resolution: 20 m	
time zone: GMT +02:00	Default!

See also the RECORDER manual or click at the *Help...* button to get further information on how to set it up.

The optionally availble notebook carrying frame also allows to attach the USB GPS receiver to it, which makes the entire system more convinient.

Alternatively, a battery-powered Bluetooth GPS receiver could be used, which would eliminate the additional cable connection. The principle of the data transfer is the same because the Bluetooth communication is established through a virtual COM port.