Team NULL

9/24/2012

Functional Requirement

// Main user

1. User can

// from the VR2C\_Communication\_Package\_(beta).pdf and added “Remotely”

* 1. Manually and remotely, Connect/Disconnect the VR2C wired acoustic receiver and the PC?? //Not sure…
  2. Manually and remotely, control/configure the receiver through VR2C\_properties; such as start (record?) or stop studies, and offload(download) data.
     1. Offload data will be saved in the working directory indicated in the status bar located at the bottom of Main Window.
  3. Manually and remotely, communicate with a VR2C using ASCII commands.
     1. These commands can be issued within the Main\_Window (VR2C\_Tool window) by typing them in the command area and clicking “Send Command” button or hitting Enter on the keyboard.

🡪 ASCII command responses and Real-Time Mode (RTM) output from the VR2C will be shown in the terminal window section of the Main\_Windos (VR2C\_Tool window)

* + 1. User can watch the Real-Time Mode output remotely.
  1. Download data to a local computer from the server (the PC which VR2C wired acoustic receiver is connected to)
     1. The data are
        1. Number of pulses detected per day.
        2. Number of Syncs detected per day.
        3. Number of detection per day.
        4. All detection data (ID/tag\_ID, date, time, any associated sensor data)

//General user

1. User can access to following data by accessing a web site
   1. Last week/month worth of detections.
   2. The streaming new in-coming data (RTM output) with user-friendly version of VR2C\_Tool and VR2C\_properties and some graphs.
      1. The user can control VR2C\_Tool. Enter the VR2C serial number to pic the VR2C acoustic wired receiver.
      2. Retrieve data by entering tag\_number??