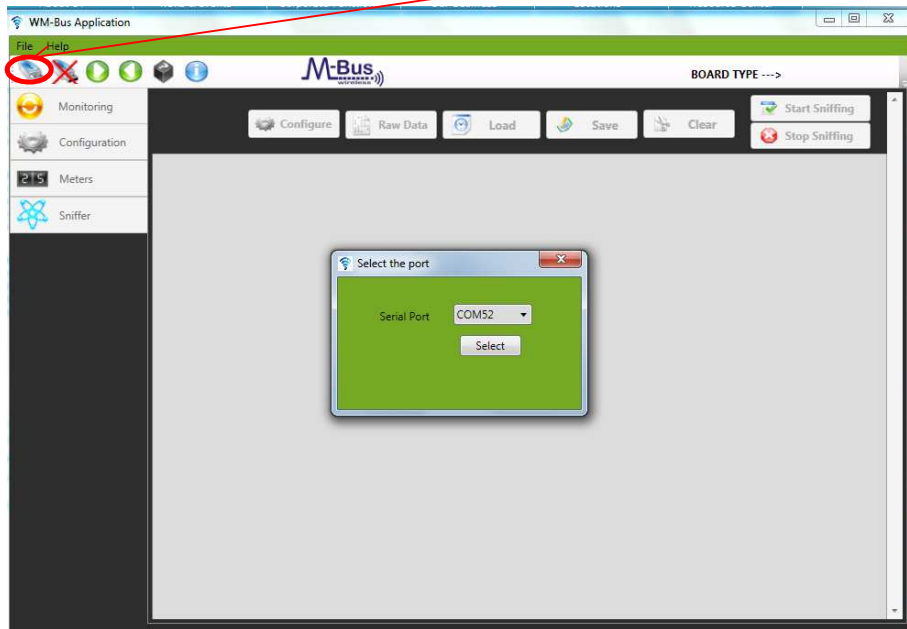
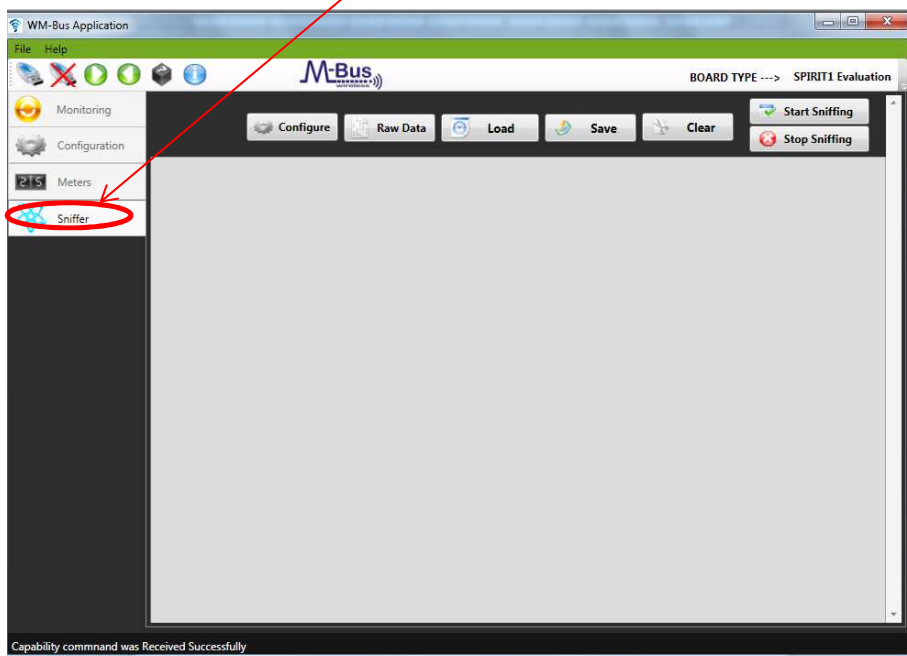


Step 1: Flash the Sniffer.hex file onto the STEVAL-IKR001Vx board and connect to the PC.

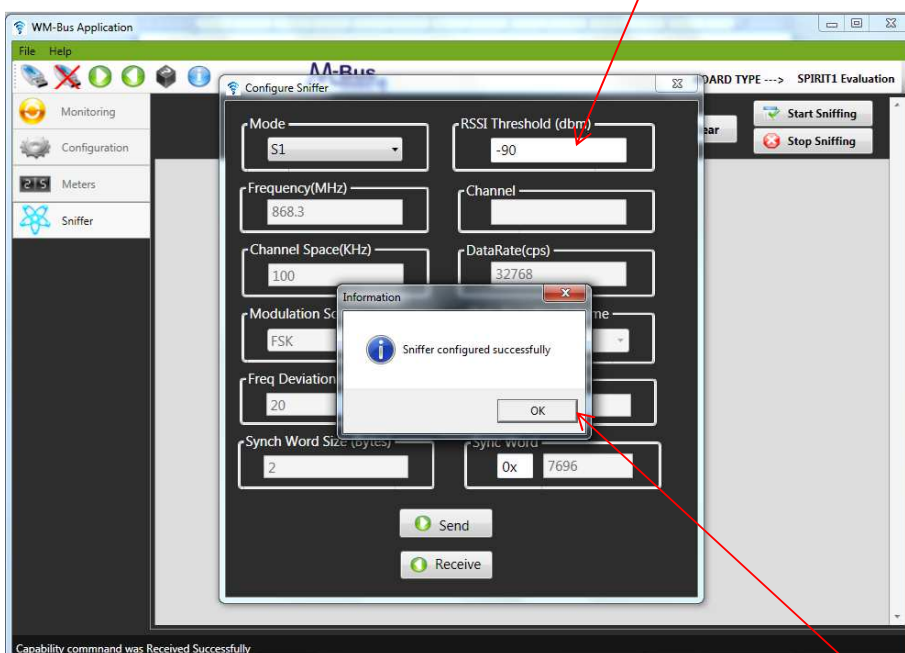
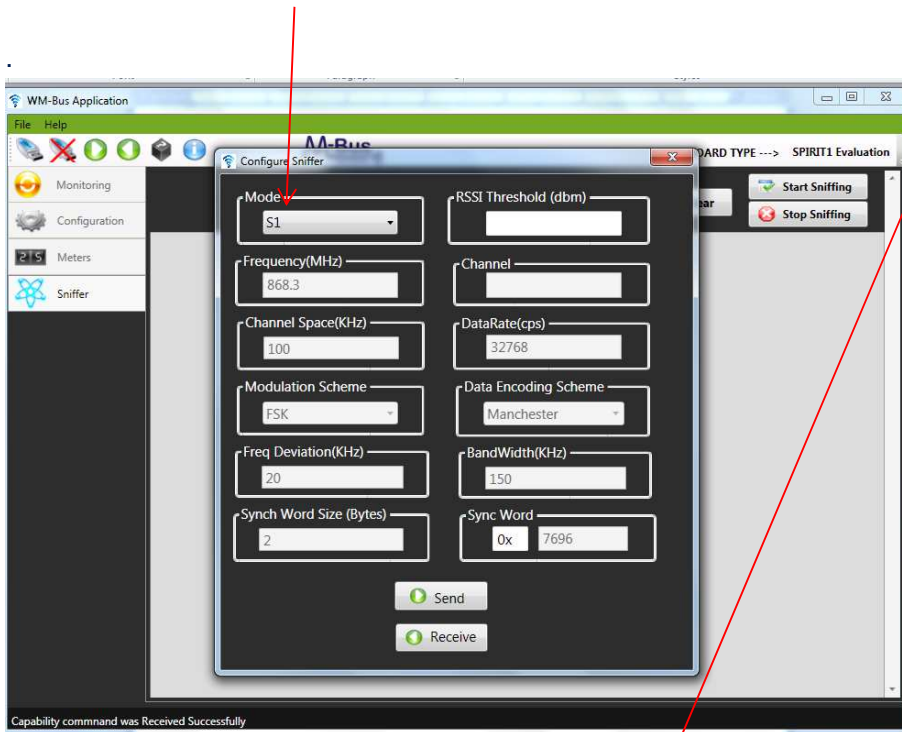
Step 1: Open the WM-Bus GUI application. Now click on connect icon at the top of the GUI



Step 3: After the GUI gets connected to the STEVAL-IKR001Vx board, We can see that the Sniffer mode icon gets enabled and the other modes get disabled.

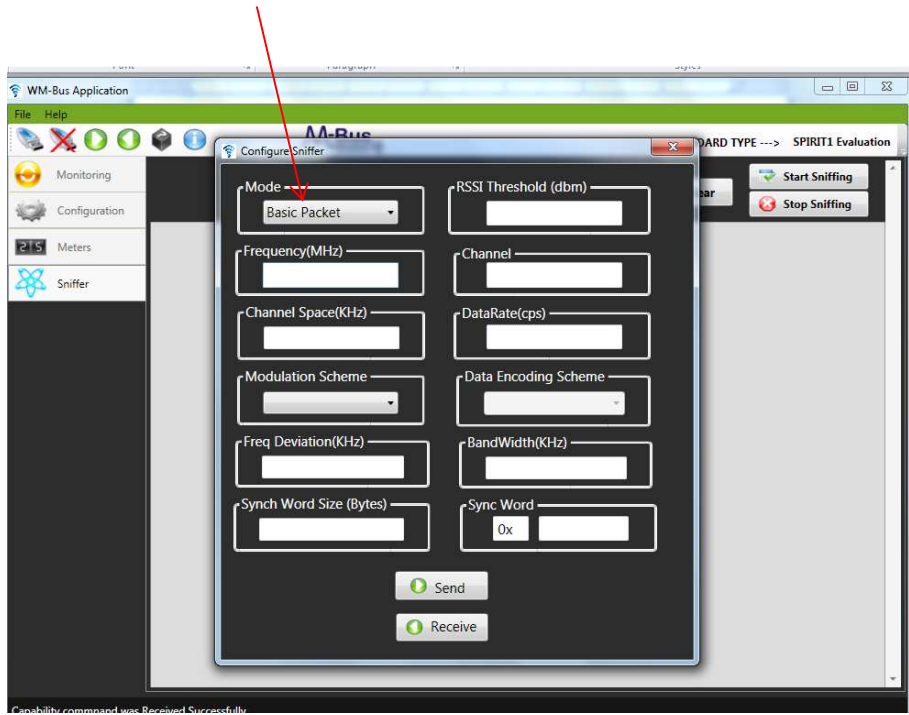


Step 4: The sniffer supports sniffing in many M-Bus modes, Basic & S-Stack packet modes. In case of an M-Bus mode, the user only has to select the mode, example S1 and then enter the RSSI threshold. In some M-Bus modes like R2, the user needs to enter the Channel number also.



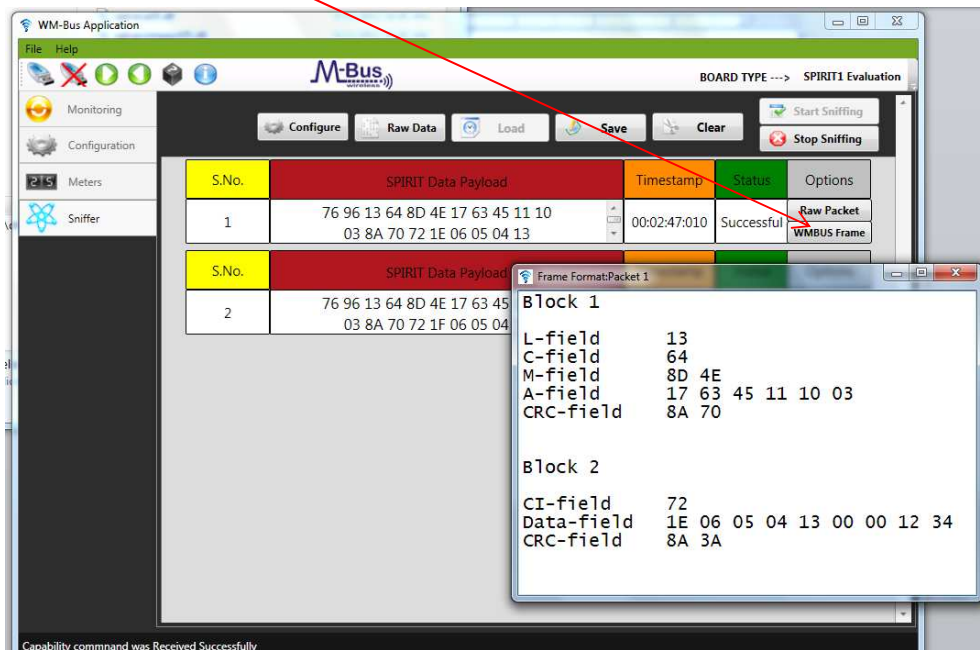
After entering these configuration, the user needs to click on the send button. If the configurations get successfully set, then the GUI will display the message “Sniffer Configured Successfully”.

In case of the Basic or STack modes, the user needs to enter all the radio configuration parameters like frequency, modulation scheme etc



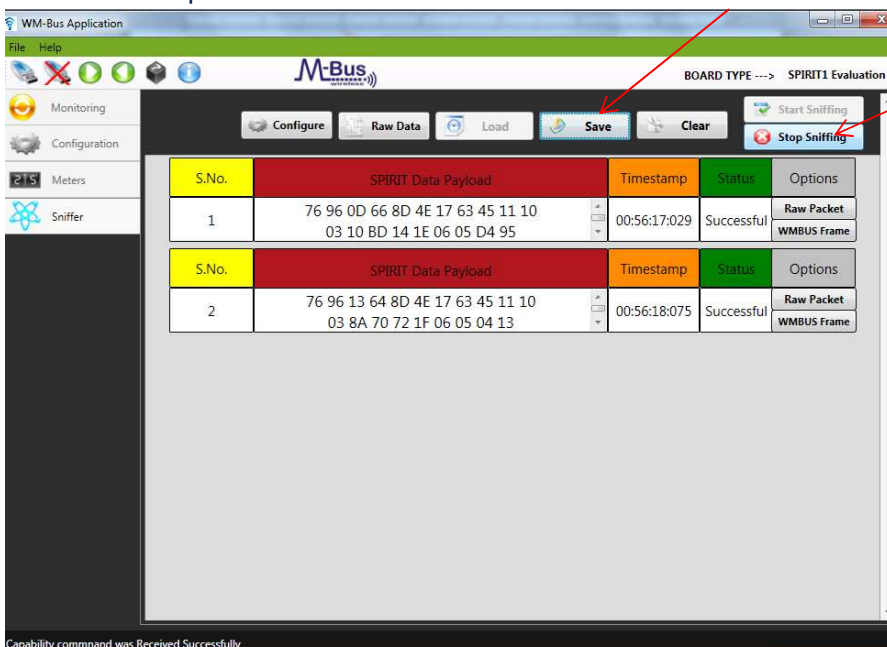


In case the user wants to see all the WM-Bus fields in the decoded packet, then click on the “WMBUS Frame” button.

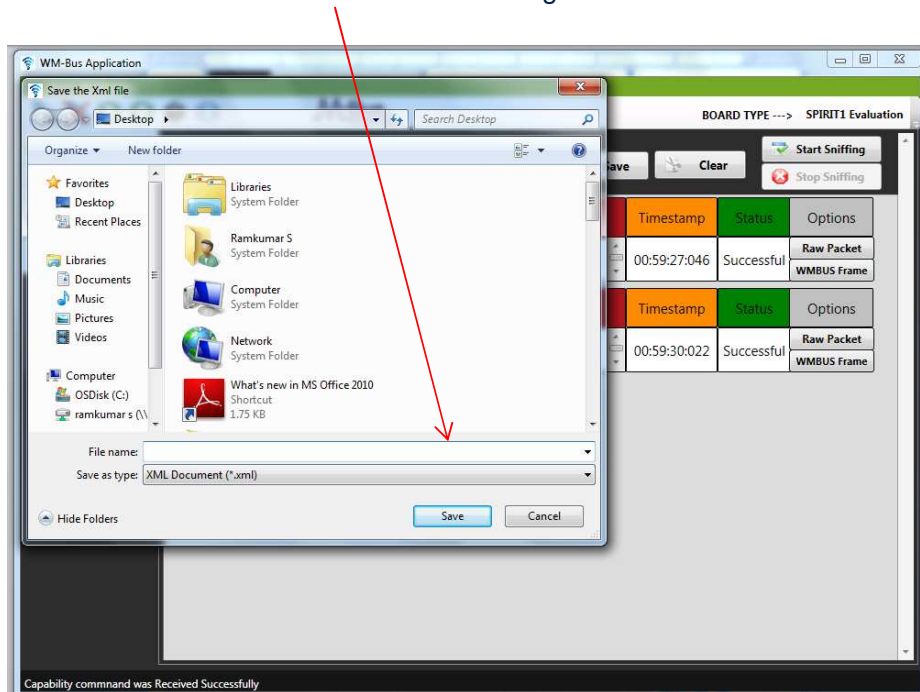


Note the “WMBUS Frame” button gets disabled automatically when sniffing in the Basic or Stack modes.

Step 6: If the user wants to save the sniffed data for later comparison then, click on “Stop Sniffing” button in the top of the window first and then click on the “Save” button.



Step 7: Once the “Save” Button is clicked, a prompt opens up , which can be used to navigate to the destination folder where the sniffed data will get stored as a .xml file.



This saved data can be later opened through the same application using the “Load” button.