

This document helps users on how to use BUSMASTER (Windows based application) with SBUSCAN product. The BUSMASTER is a GUI tool to interact with SBUSCAN device to send and receive the CAN frames. Below sections help with installation steps of driver and application software.

System Requirements:

CPU: Intel i3
Speed: 2GHz
OS: Windows-7 or above, Microsoft visual C++ 2013 Redistributable(x86)
Ports: USB 2.0, Custom Win USB Device driver,
RAM: 4GB and above
HDD: 100 GB and above
Admin: Admin rights for installation

Scripting: The BUSMASTER tool also has got scripting feature where the user can implement script to automate the CAN Tx and Rx messages with dynamic contents.

Link for downloading required software: <https://drive.google.com/drive/folders/1RG1WT7XYKa7bmz-y38T6Dhw-ubp61nnC?usp=sharing>

1.0 BUSMASTER STEPS

STEPS:

1. Download the software from given link
2. Copy the bus-master exe into your system
3. Run the exe
4. Shortcut will be available in desktop with bus-master name
5. Done

2.0 USB DRIVER STEPS

STEPS:

1. Download the software from the given link
2. Copy the folder into the other than C drive
3. Connect the SBUSCAN to the System
4. Follow the below steps if the driver is not getting installed(If you are getting exclamatory mark for **Simple WINUSB demo** in device manager:

WINDOWS 7: Control panel->Device manager->Right click on the not installed driver->update driver software->Browse my computer for driver software->Browse->Add the path where you copied the USB Driver and INF folder (Add path till USB driver and INF folder)

WINDOWS 8/10: Control panel->Device manager->Right click on the not installed driver->Update driver software-> Browse my computer for driver software -> Let me pick from a list of device drivers on my computer-> Universal Serial bus devices->Select Winusb device on both side then click next

5. Done

3.0 MINGW COMPILER STEPS

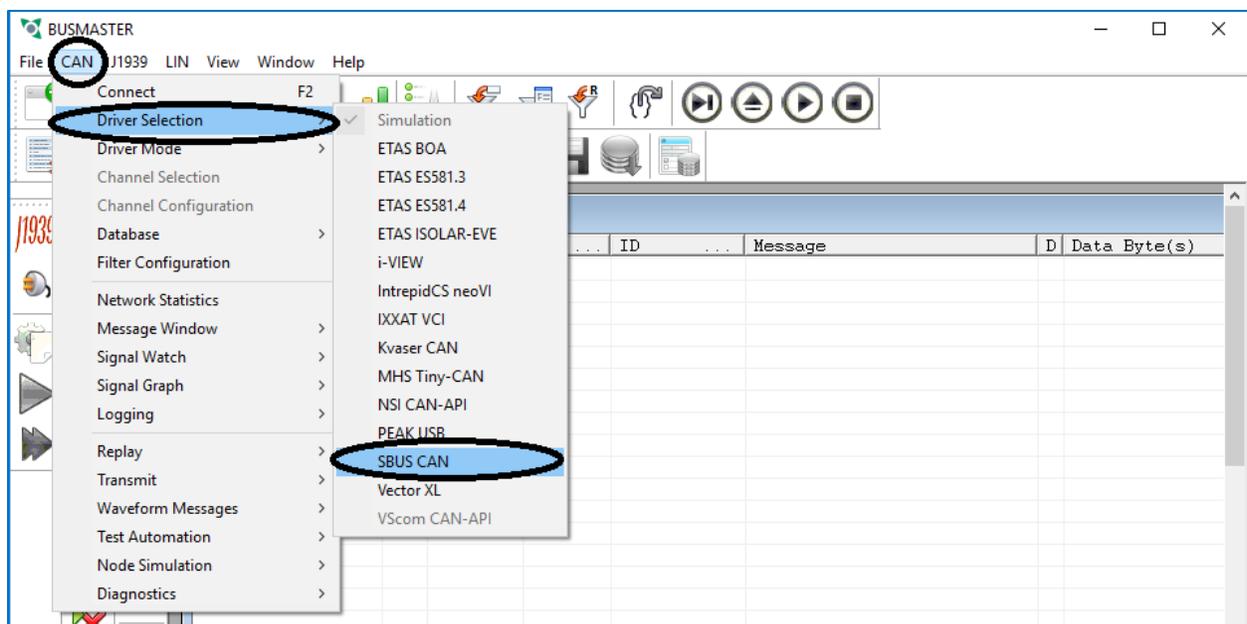
STEPS:

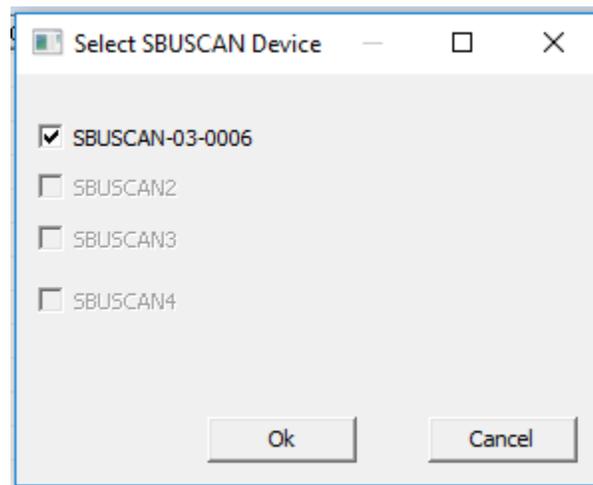
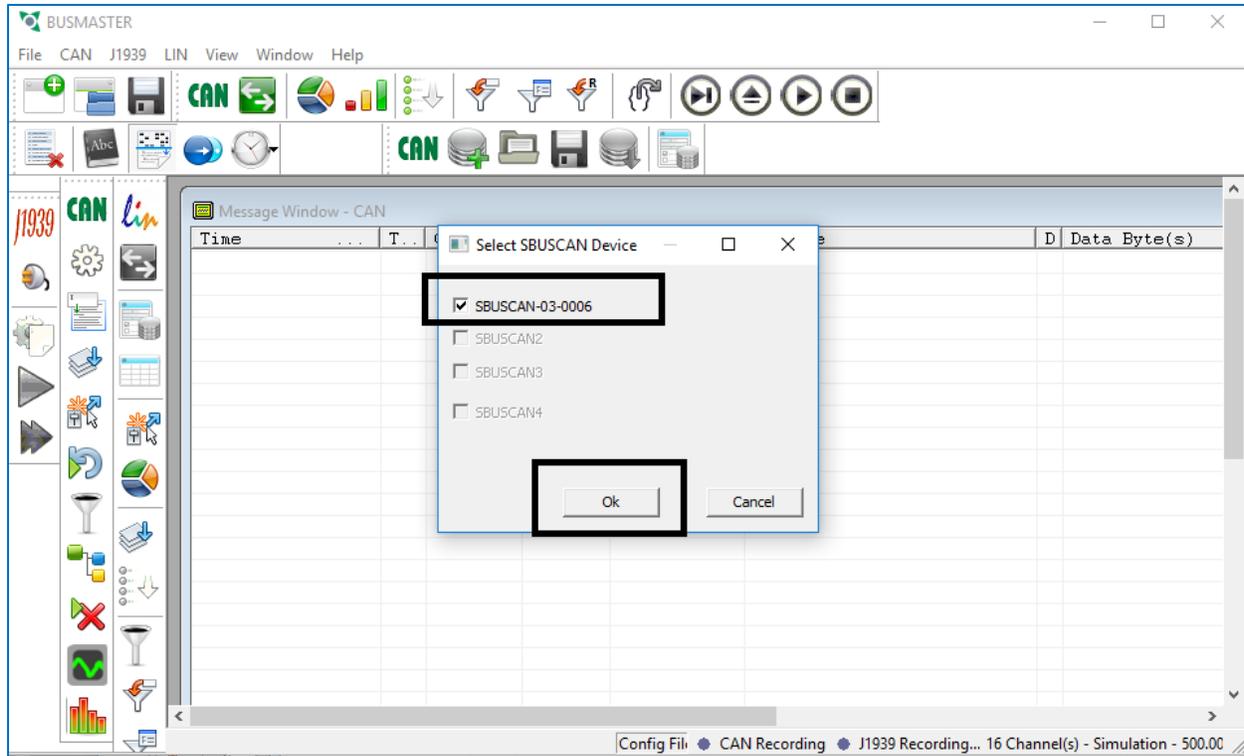
1. Download the software form given link
2. Delete MinGW folder from c drive if it is already available.
3. First copy this folder into your C drive (C:\MinGW\)
4. Extract the folder using winrar
5. Copy the bin folder path from MinGW [Eg:-C:\MinGW\bin]
6. Add this path to the Environment variable in both User variable and System variable
 [Control panel->System->Advanced system settings->Environment variables->User variable->path->Edit-> add semicolon(;)->paste the copied path &
 Control panel->System->Advanced system settings->Environment variables->System variable->path->Edit->add semicolon(;)->paste the copied path]
7. Done

4.0 HOW TO CONNECT SBUSCAN

Steps:

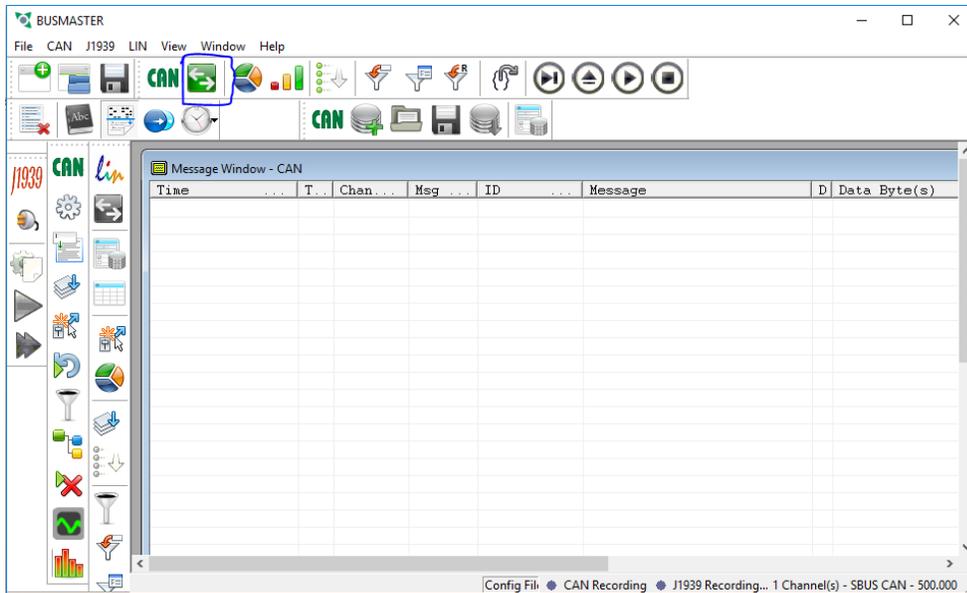
1. Launch BUSMASTER
2. Go to CAN menu item -> Driver Selection -> SBUSCAN as shown below:
3. You can have up to 4 parallel instances of BUSMASTER for 4 different hardware





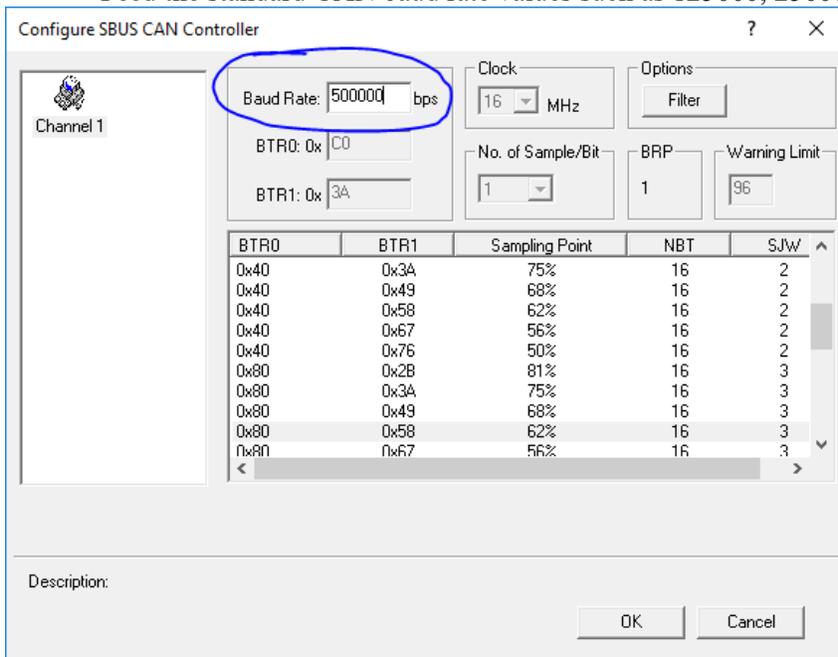
5.0 How to start the measurement

Press the marked icon to start the measurement.



6.0 How to change the baud rate of CAN

- Go to CAN menu item.
- Select Channel configuration
- Feed the standard CAN baud rate values such as 125000, 250000, 500000, 1000000



7.0 Other features

The other features such as Transmission and Reception of CAN frames, scripting are available under HELP.

The tool has very comprehensive help information available under **Help** Menu item ->**Help Topics**