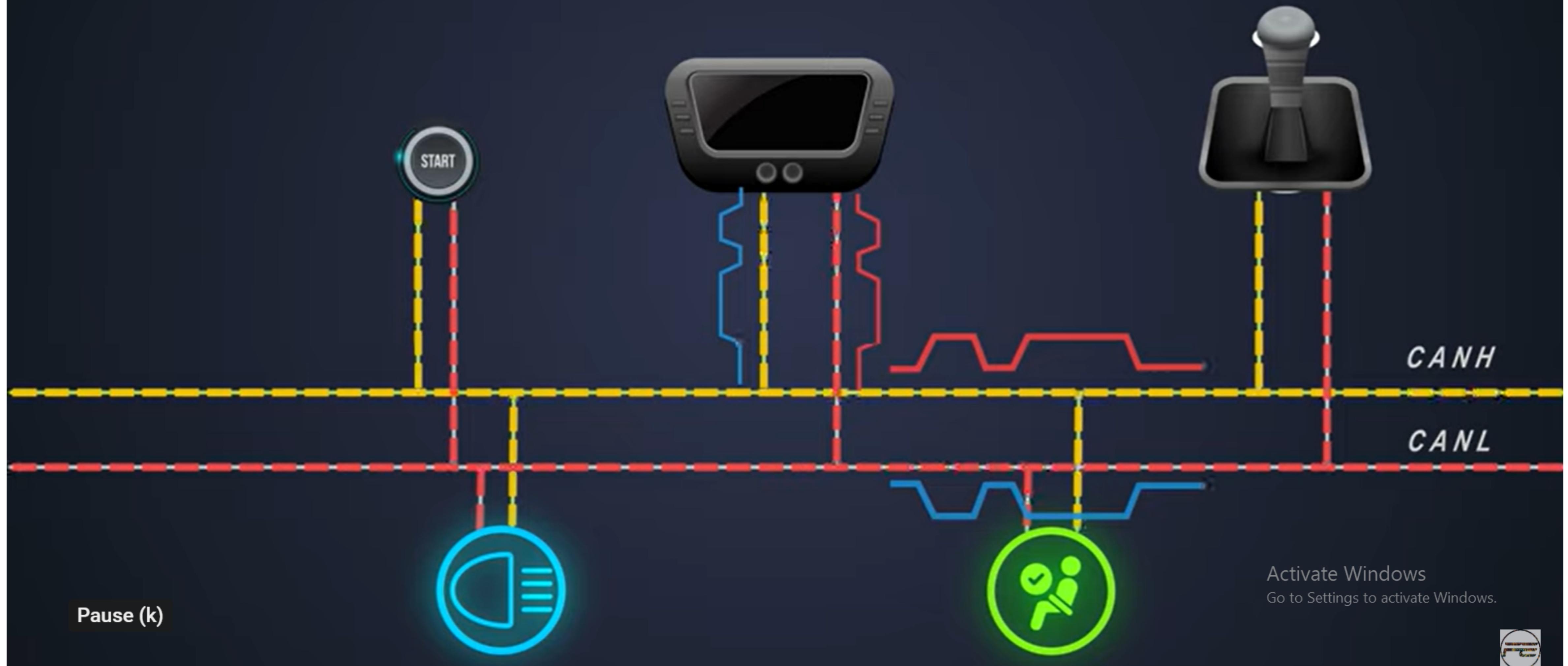


# Why do we use CAN Communication

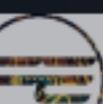


Activate Windows  
Go to Settings to activate Windows.



LET'S  
GET  
**STARTED**

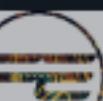
Activate Windows  
Go to Settings to activate Windows.





# BOSCH

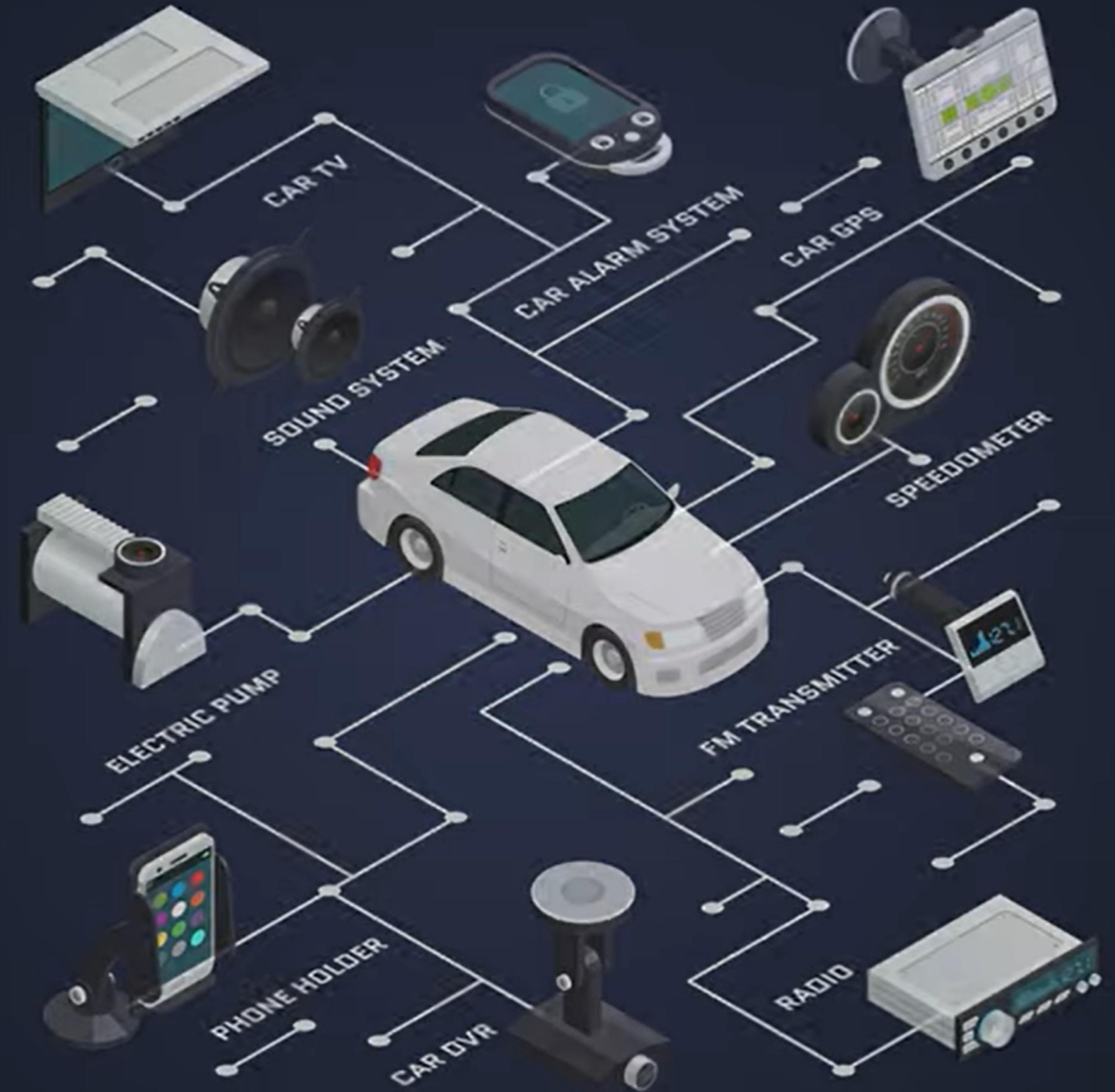
Activate Windows  
Go to Settings to activate Windows.



# **CONTROL AREA NETWORK (CAN)**

Activate Windows  
Go to Settings to activate Windows.





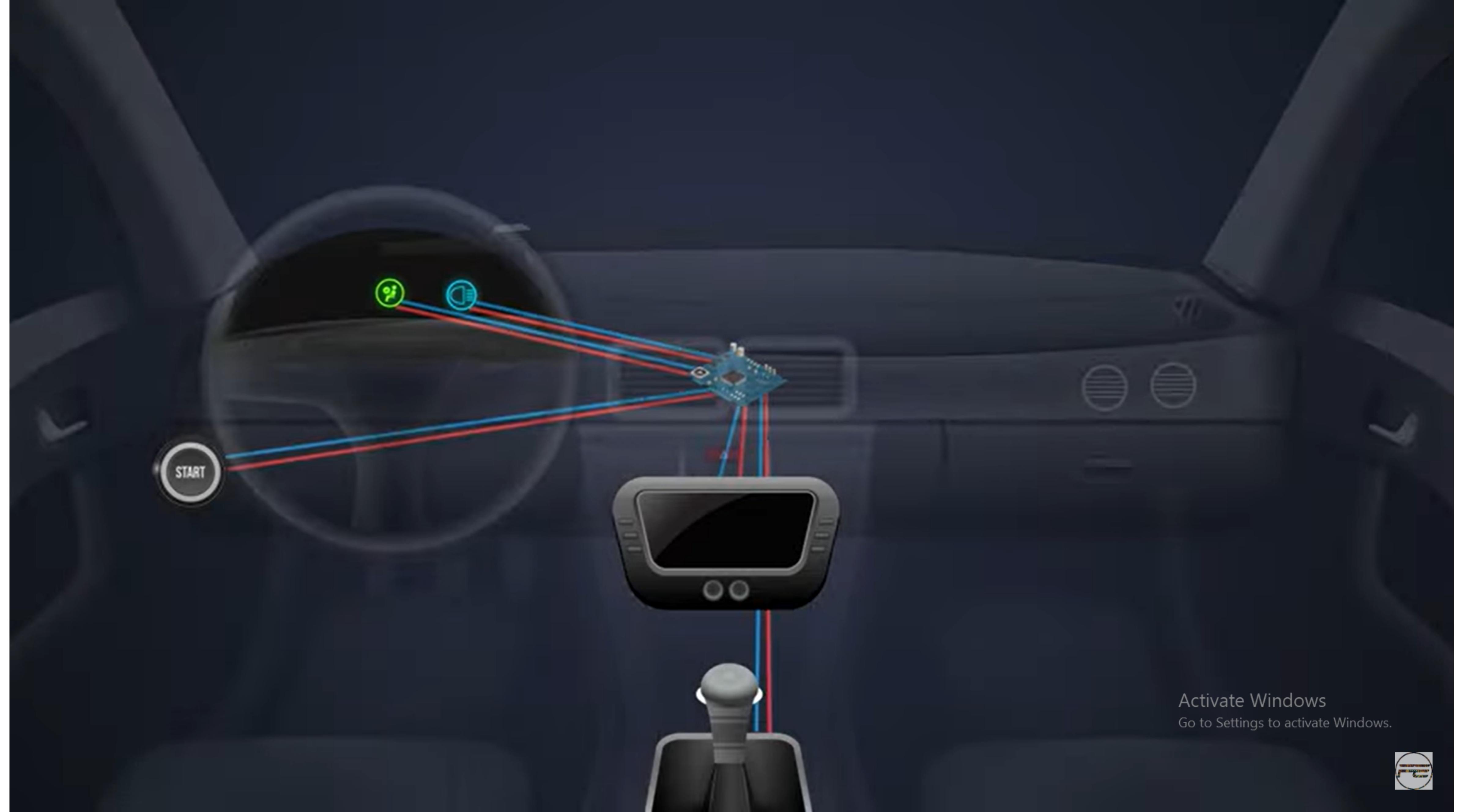
Activate Windows  
Go to Settings to activate Windows.





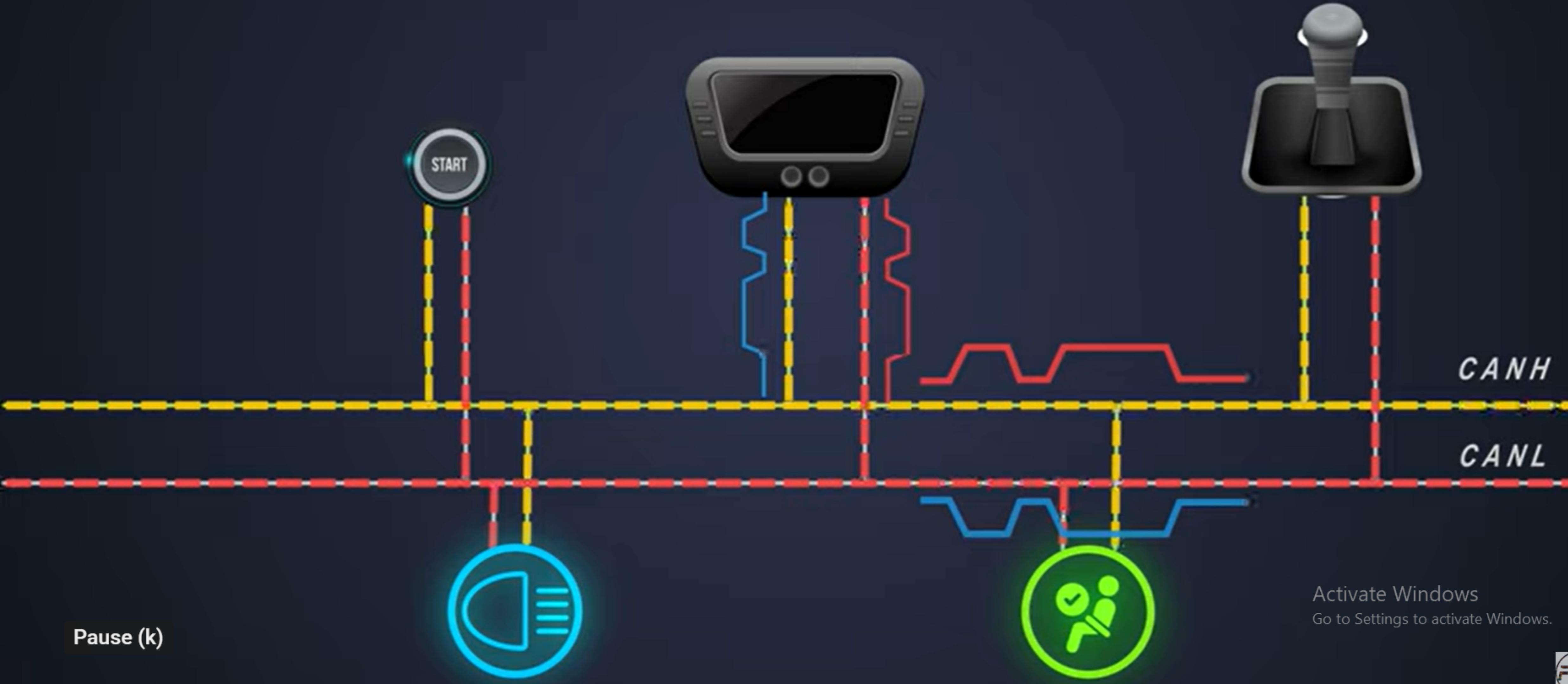
Activate Windows  
Go to Settings to activate Windows.





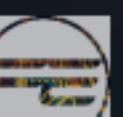
Activate Windows  
Go to Settings to activate Windows.





Pause (k)

Activate Windows  
Go to Settings to activate Windows.





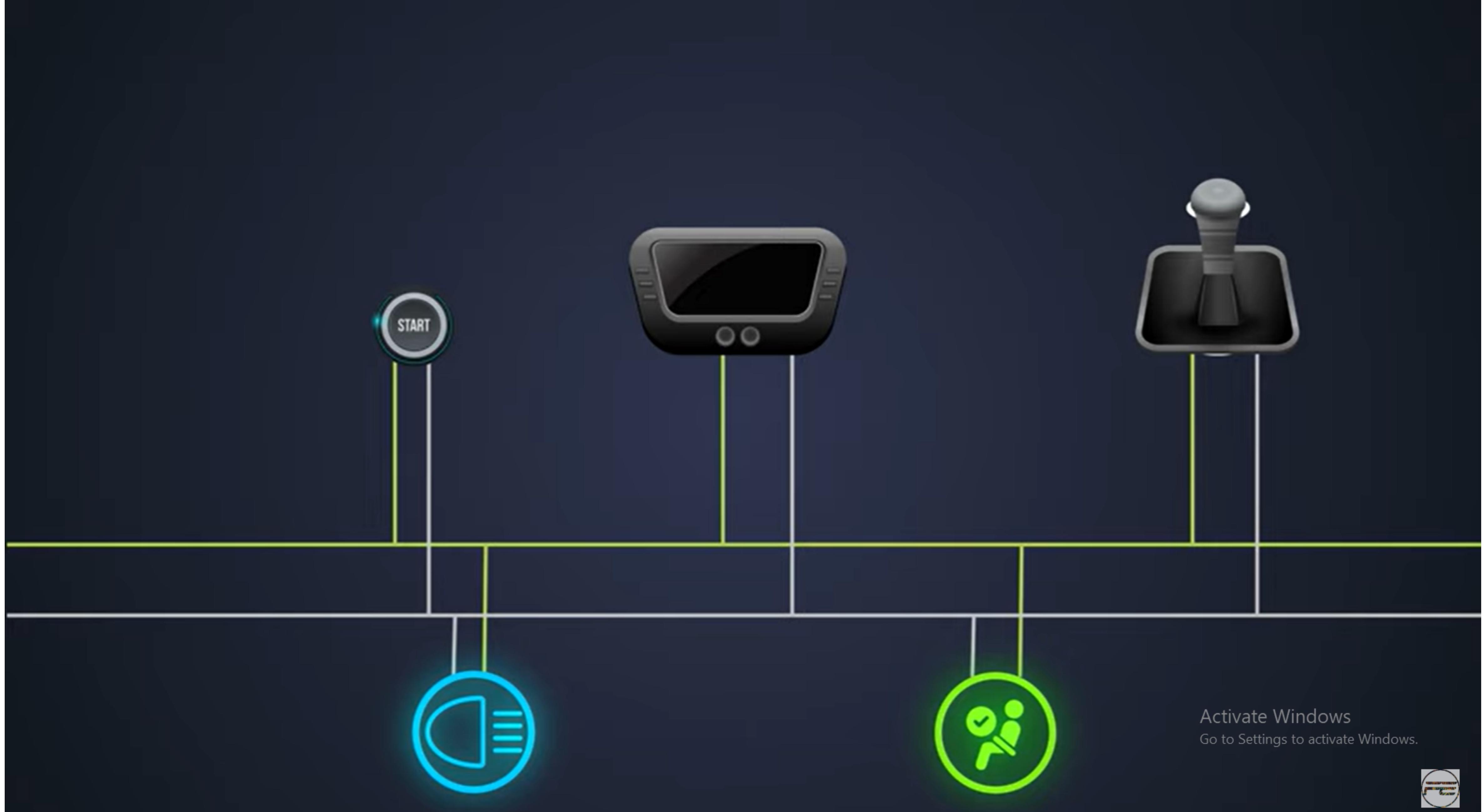
Activate Windows  
Go to Settings to activate Windows.



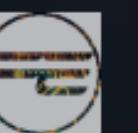


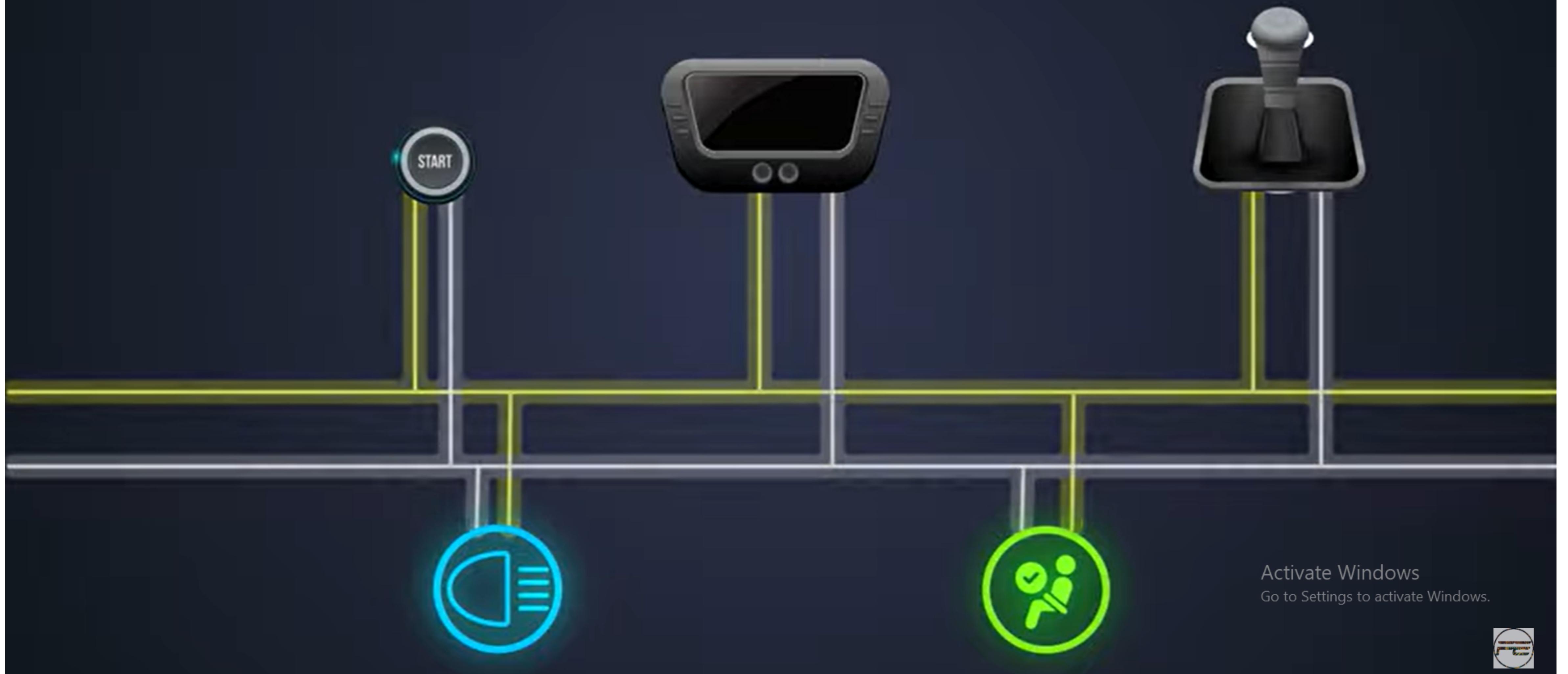
Activate Windows  
Go to Settings to activate Windows.





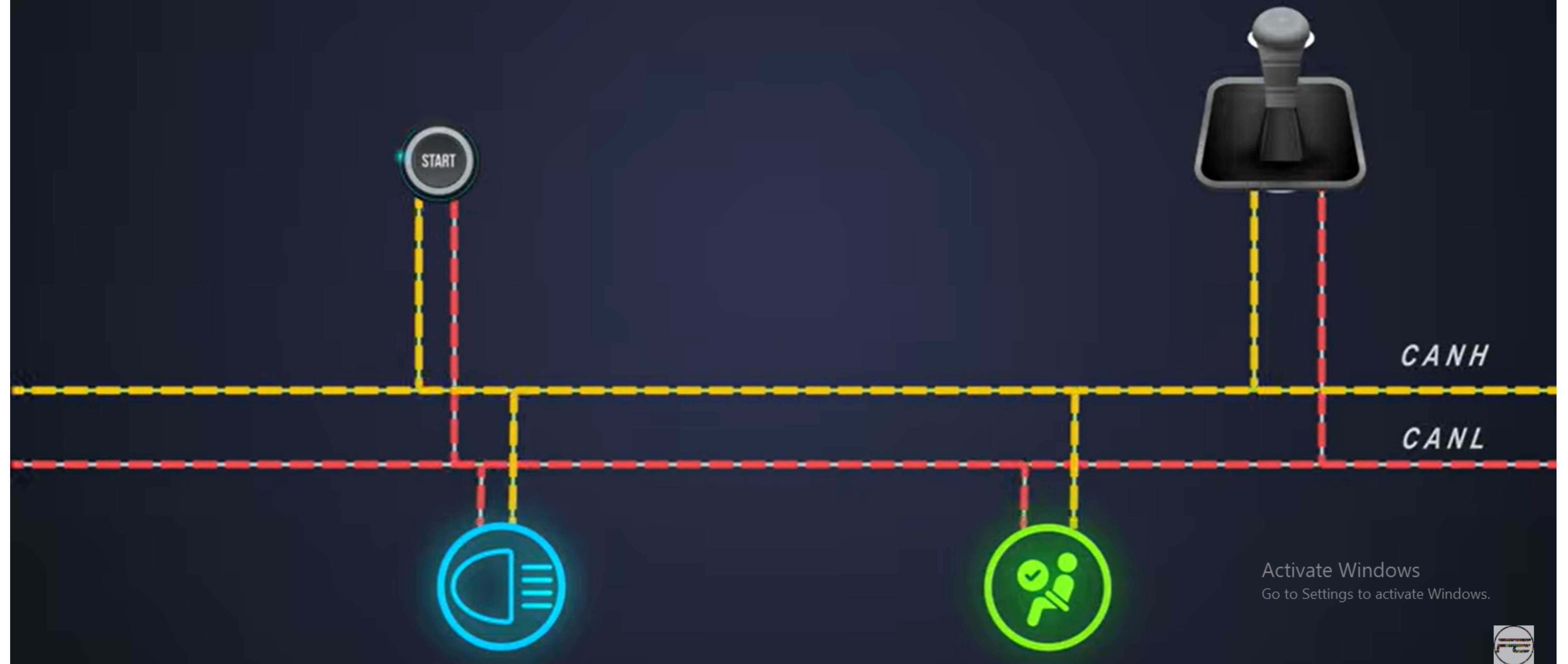
Activate Windows  
Go to Settings to activate Windows.



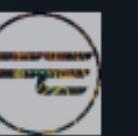


Activate Windows  
Go to Settings to activate Windows.





Activate Windows  
Go to Settings to activate Windows.



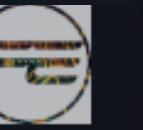


Activate Windows  
Go to Settings to activate Windows.

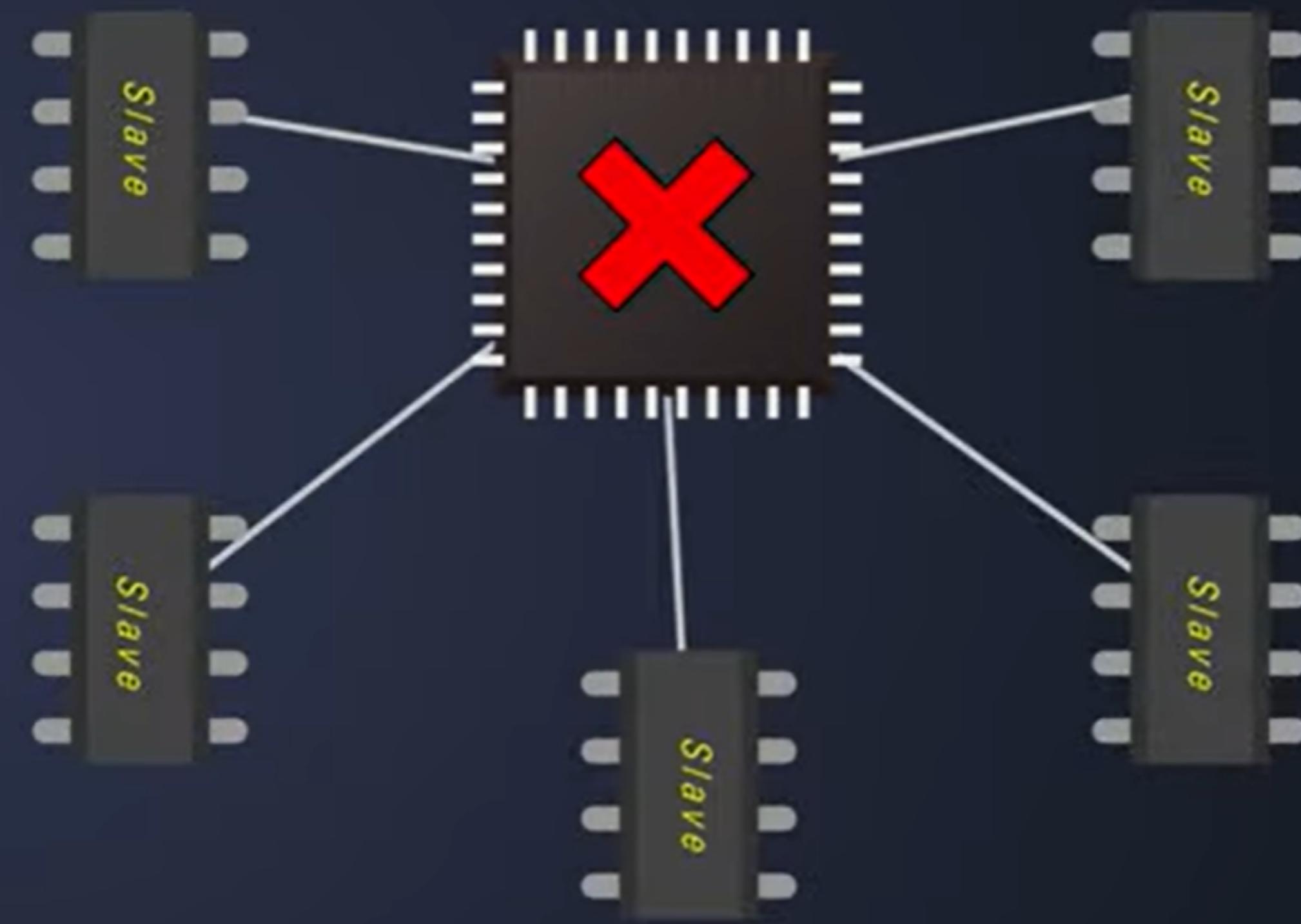




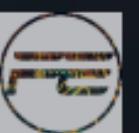
Activate Windows  
Go to Settings to activate Windows.



## 2. Working of CAN



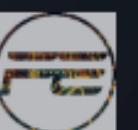
Activate Windows  
Go to Settings to activate Windows.



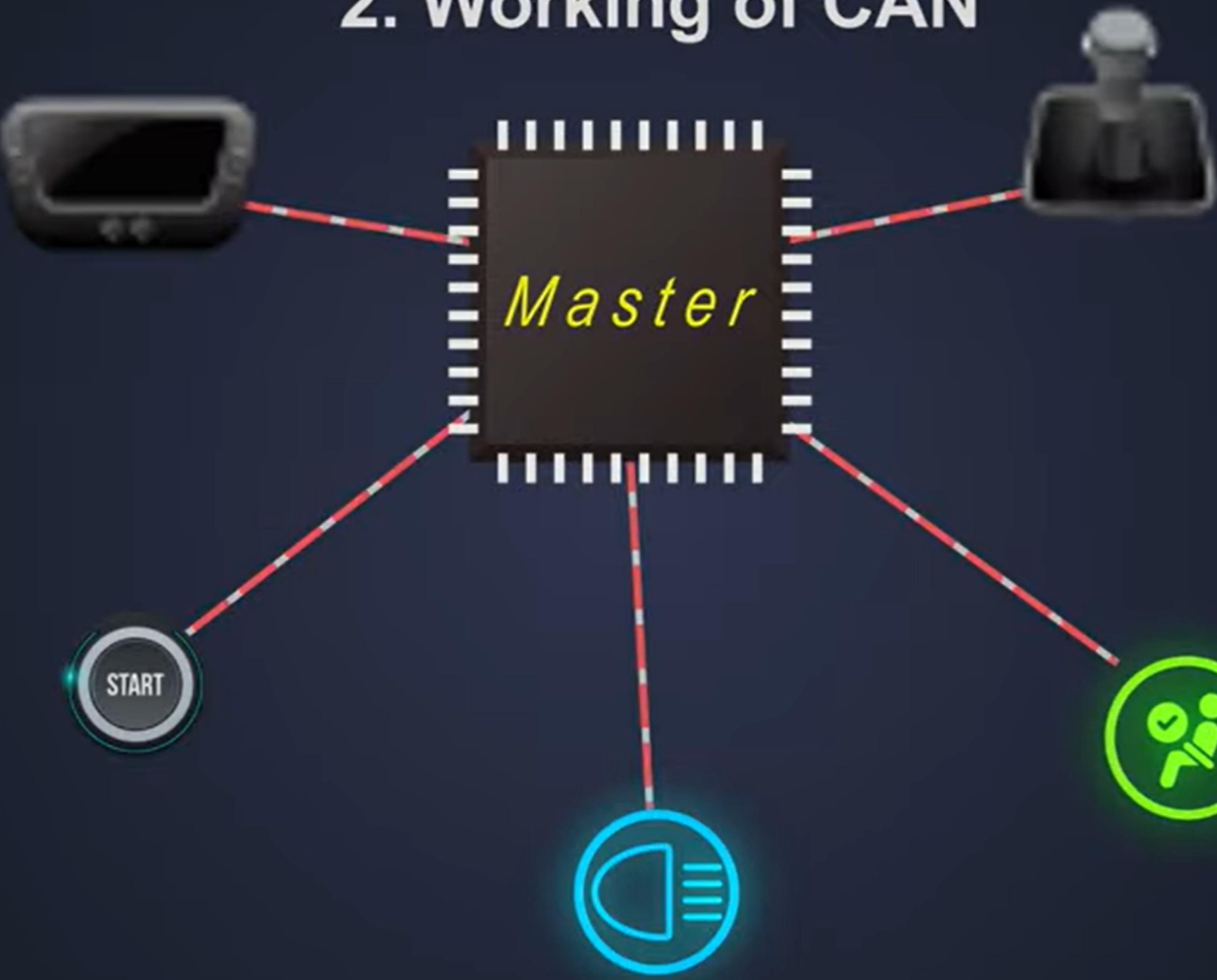
## 2. Working of CAN



Activate Windows  
Go to Settings to activate Windows.



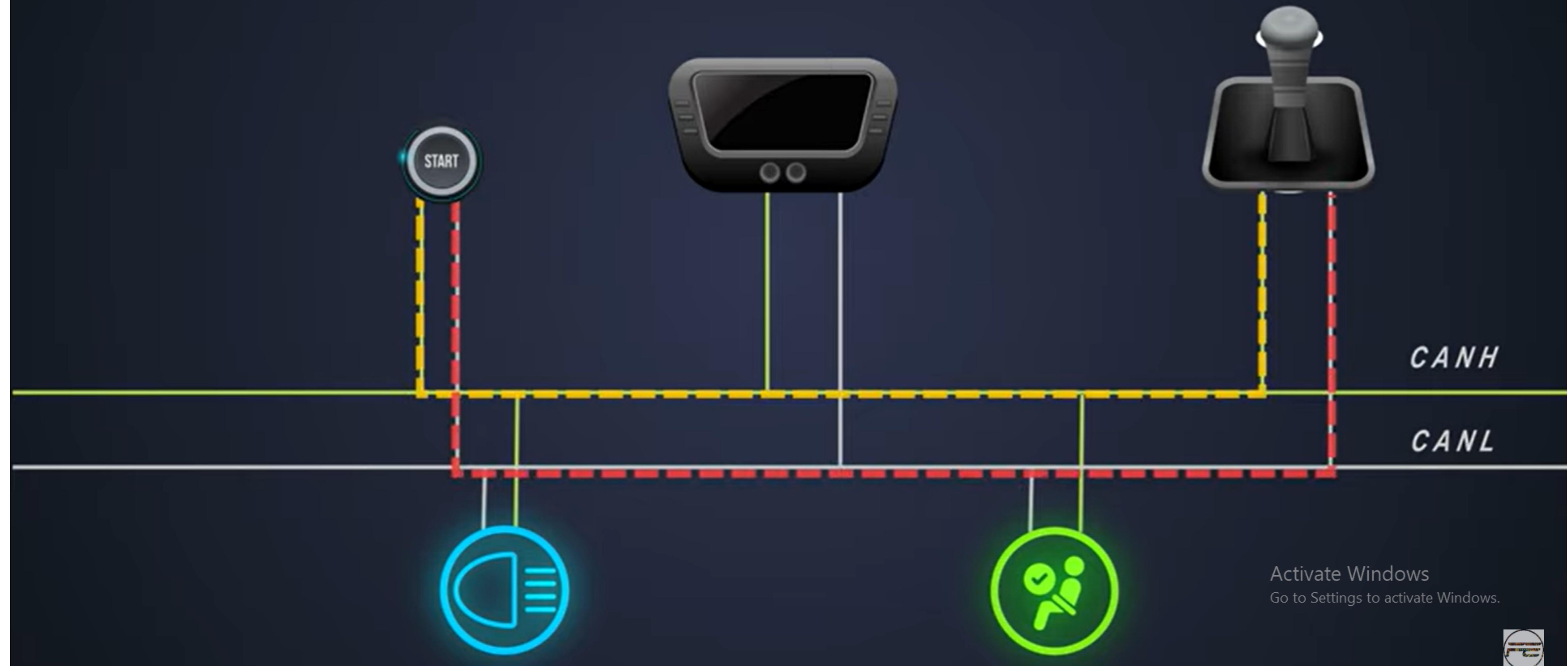
## 2. Working of CAN



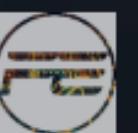
Activate Windows  
Go to Settings to activate Windows.



### 3. CAN communication



Activate Windows  
Go to Settings to activate Windows.



### 3. CAN communication



Activate Windows  
Go to Settings to activate Windows.



### 3. CAN communication



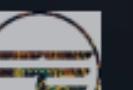
Activate Windows  
Go to Settings to activate Windows.



### 3. CAN communication



Activate Windows  
Go to Settings to activate Windows.



### 3. CAN communication



Activate Windows  
Go to Settings to activate Windows.



# ... WHATSAPP GROUP CHAT ...

DAMN YOU STARK!



YOU ARE NOT THE  
STRONGEST AVENGER



Activate Windows  
Go to Settings to activate Windows.



... WHATSAPP GROUP CHAT ...



### 3. CAN communication



Activate Windows

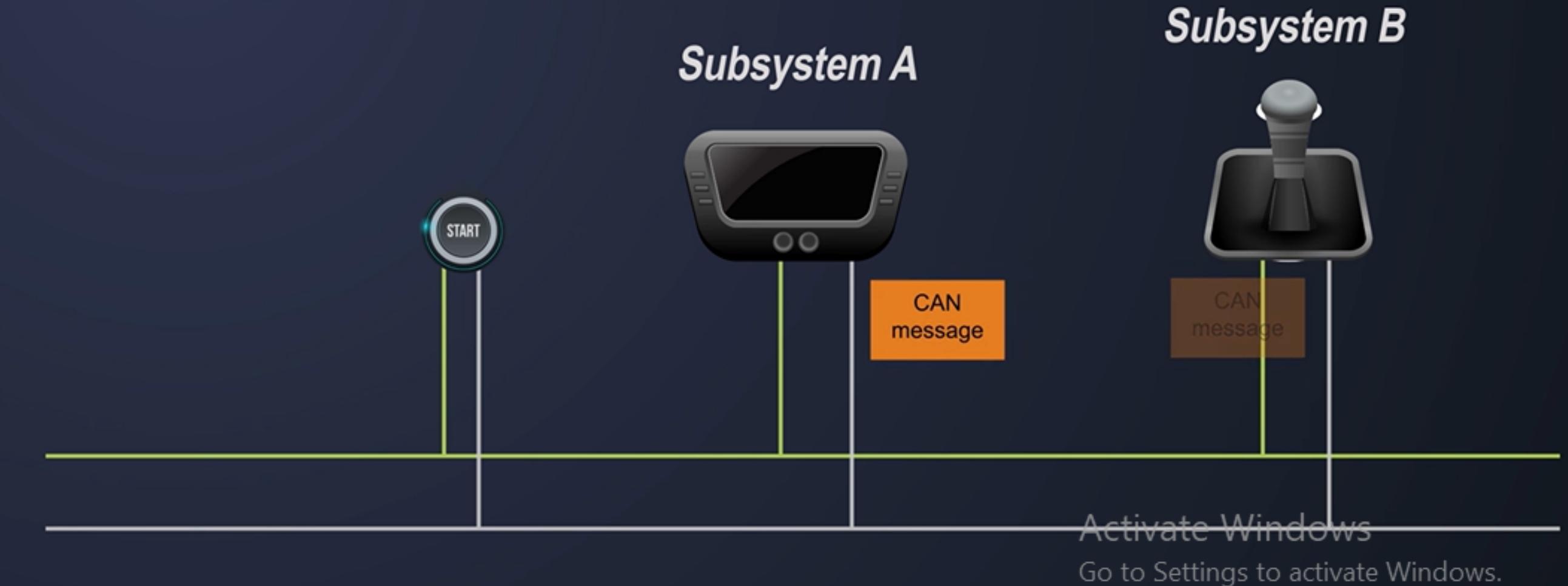
Go to Settings to activate Windows.



... WHATSAPP GROUP CHAT ...



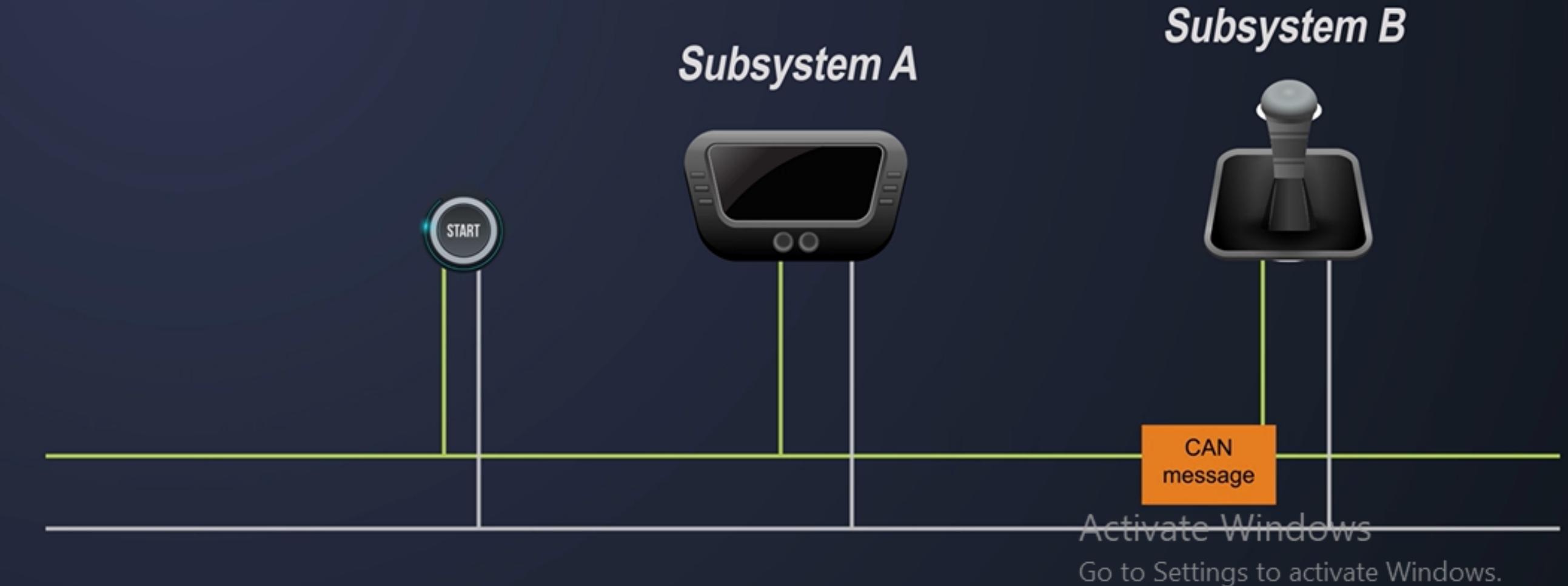
## 3. CAN communication



... WHATSAPP GROUP CHAT ...



## 3. CAN communication



### 3. CAN communication



Activate Windows  
Go to Settings to activate Windows.



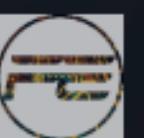
# 4. CAN communication is a half duplex communication

*Subsystem A*

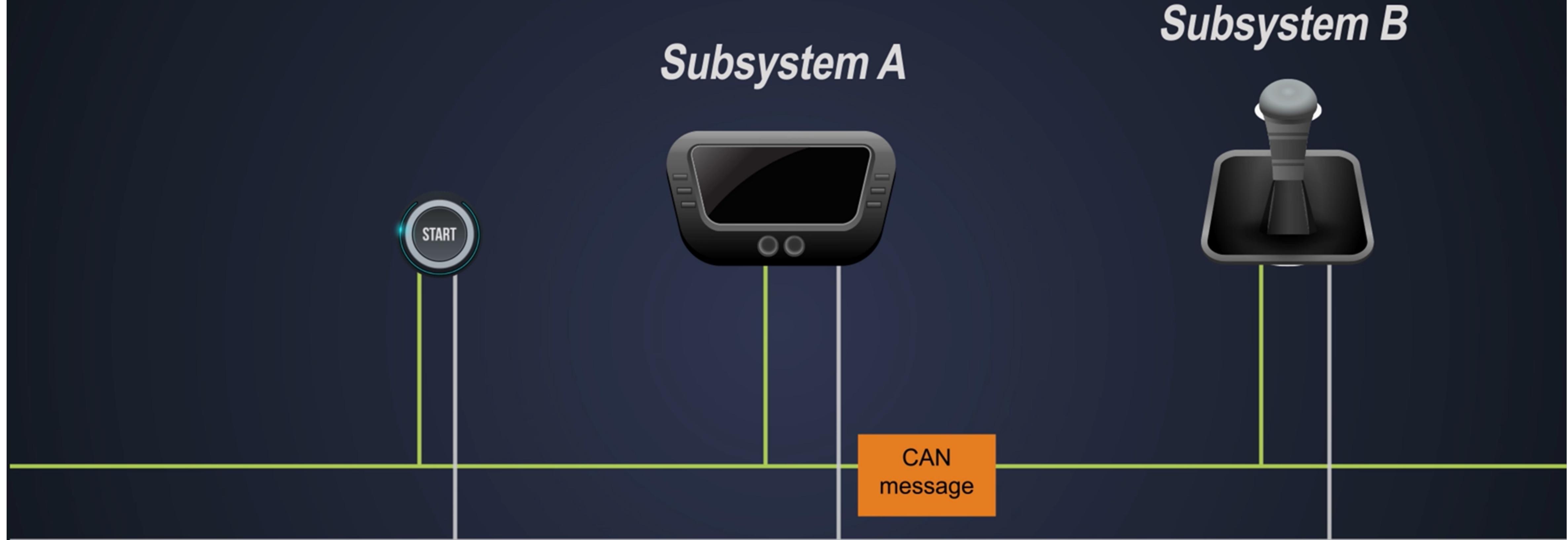
*Subsystem B*



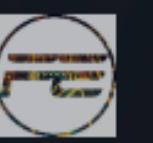
Activate Windows  
Go to Settings to activate Windows.



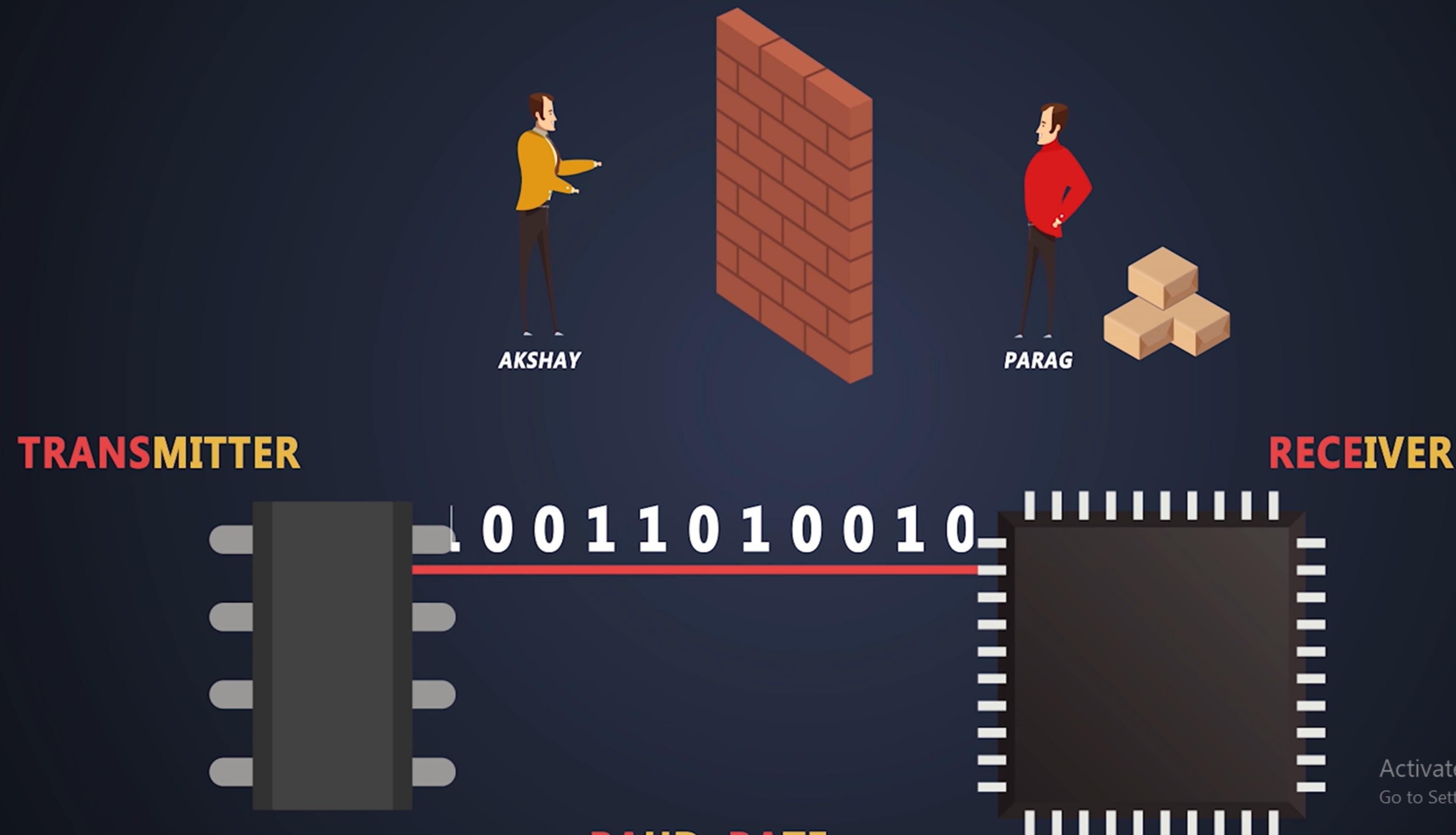
## 5. CAN is an asynchronous communication protocol



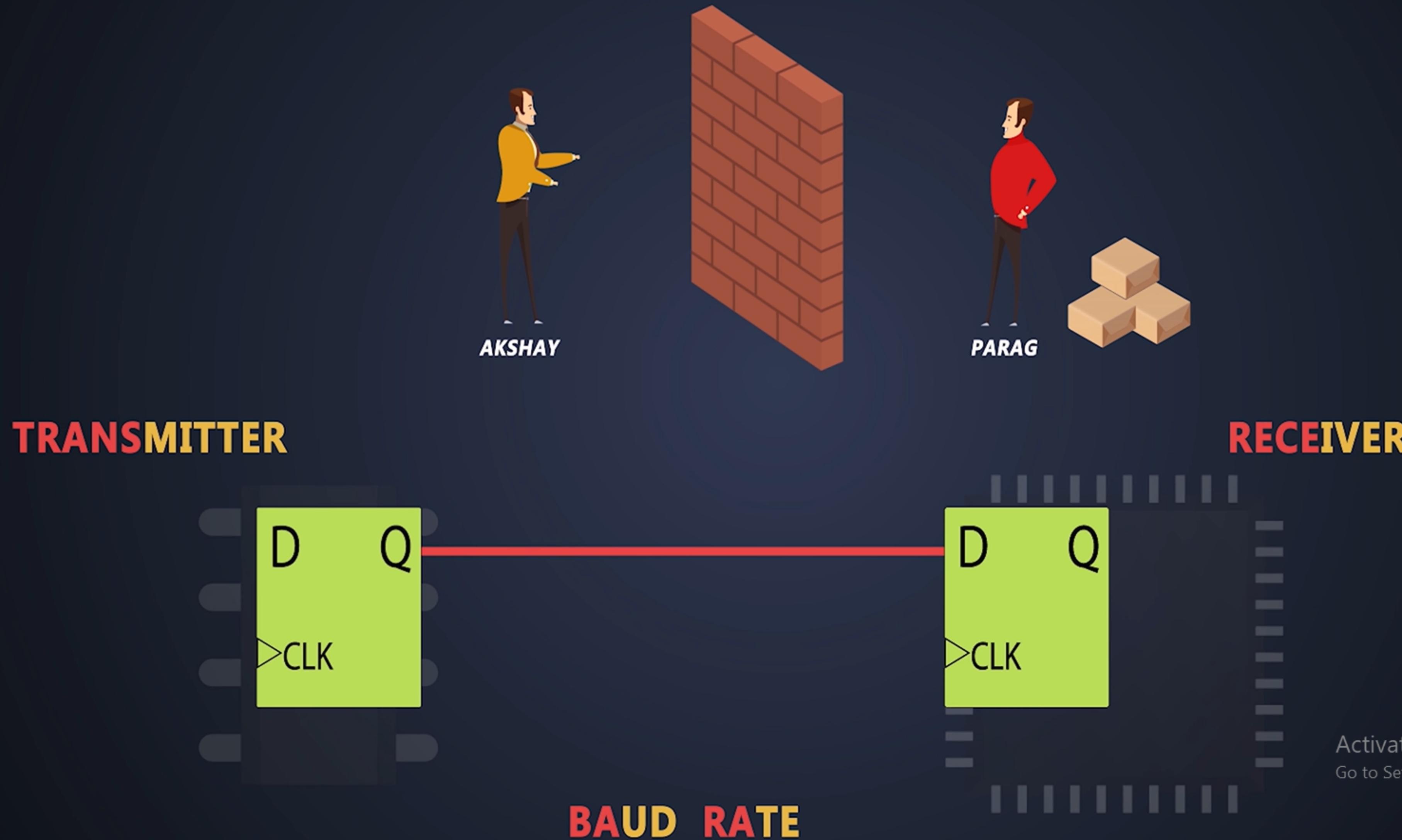
Activate Windows  
Go to Settings to activate Windows.



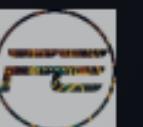
## 2. ASYNCHRONOUS COMMUNICATION PROTOCOL



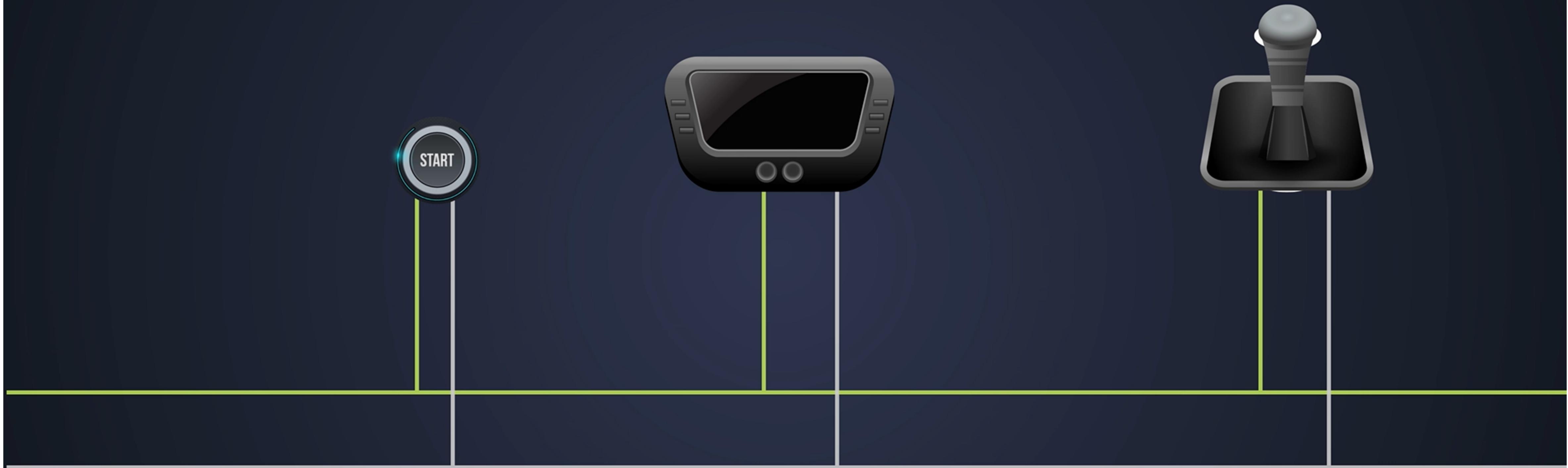
## 2. ASYNCHRONOUS COMMUNICATION PROTOCOL



Activate Windows  
Go to Settings to activate Windows.



## 5. CAN is an asynchronous communication protocol



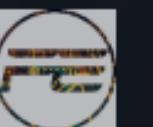
*1 Mbps      40 mtrs*

*100 kbps*

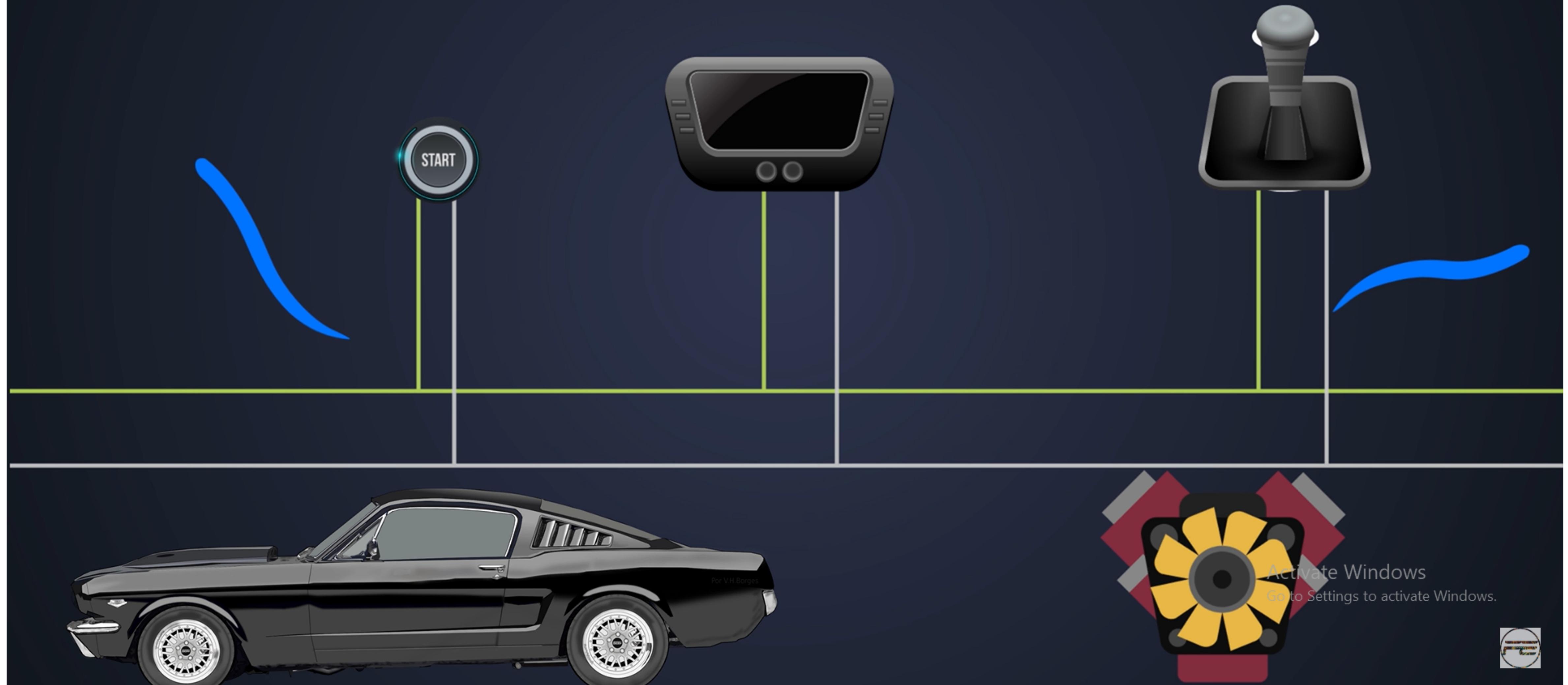
*250 kbps*

*500 kbps*

Activate Windows  
Go to Settings to activate Windows.



## 6. Differential 2 wired communication.



## 6. Differential 2 wired communication.

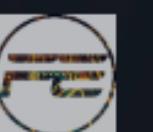
*single ended signaling*



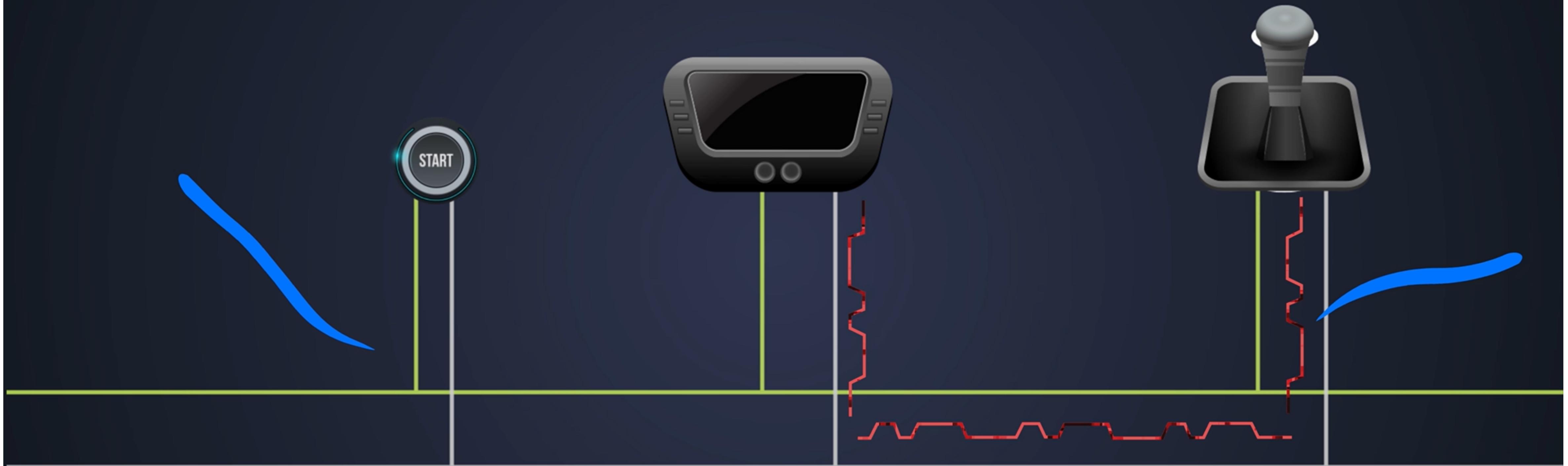
*differential signaling*



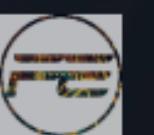
Activate Windows  
Go to Settings to activate Windows.



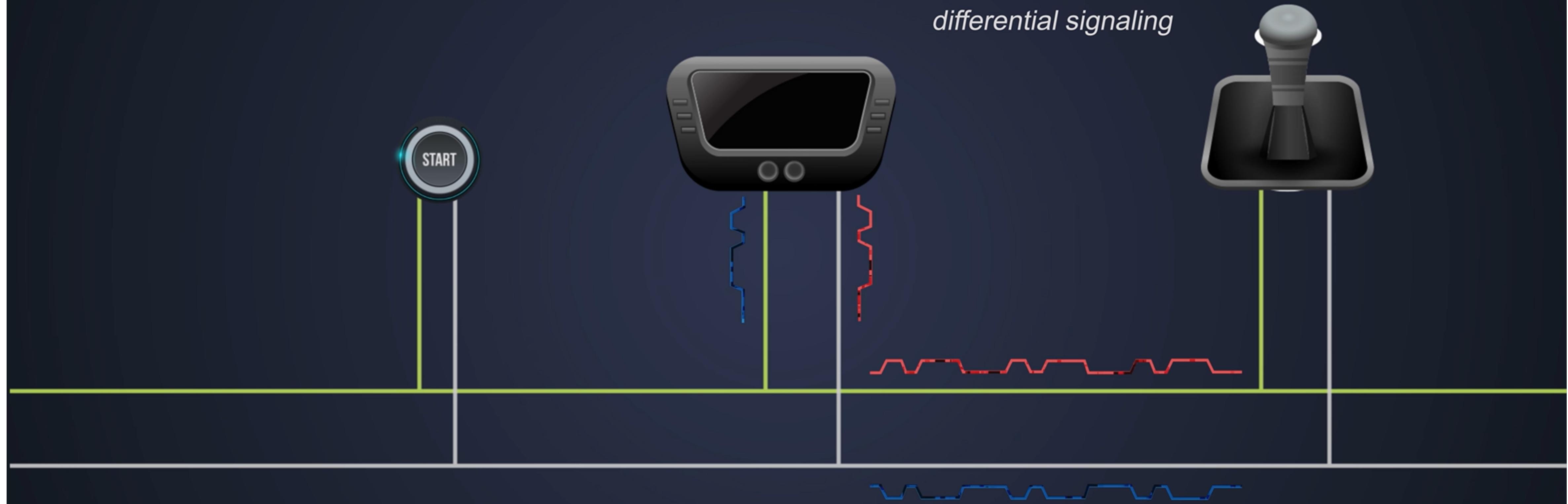
## 6. Differential 2 wired communication.



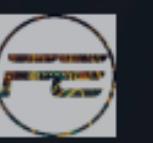
Activate Windows  
Go to Settings to activate Windows.



## 6. Differential 2 wired communication.



Activate Windows  
Go to Settings to activate Windows.



# 6. Differential 2 wired communication.

Transmitted data



V1

2.5 3.5 2.5 3.5 3.5 2.5 2.5 3.5 2.5 3.5 2.5 3.5 2.5 2.5 3.5 2.5 3.5 2.5

V2

2.5 1.5 2.5 1.5 1.5 2.5 2.5 1.5 2.5 1.5 2.5 1.5 2.5 1.5 2.5 1.5 1.5 2.5

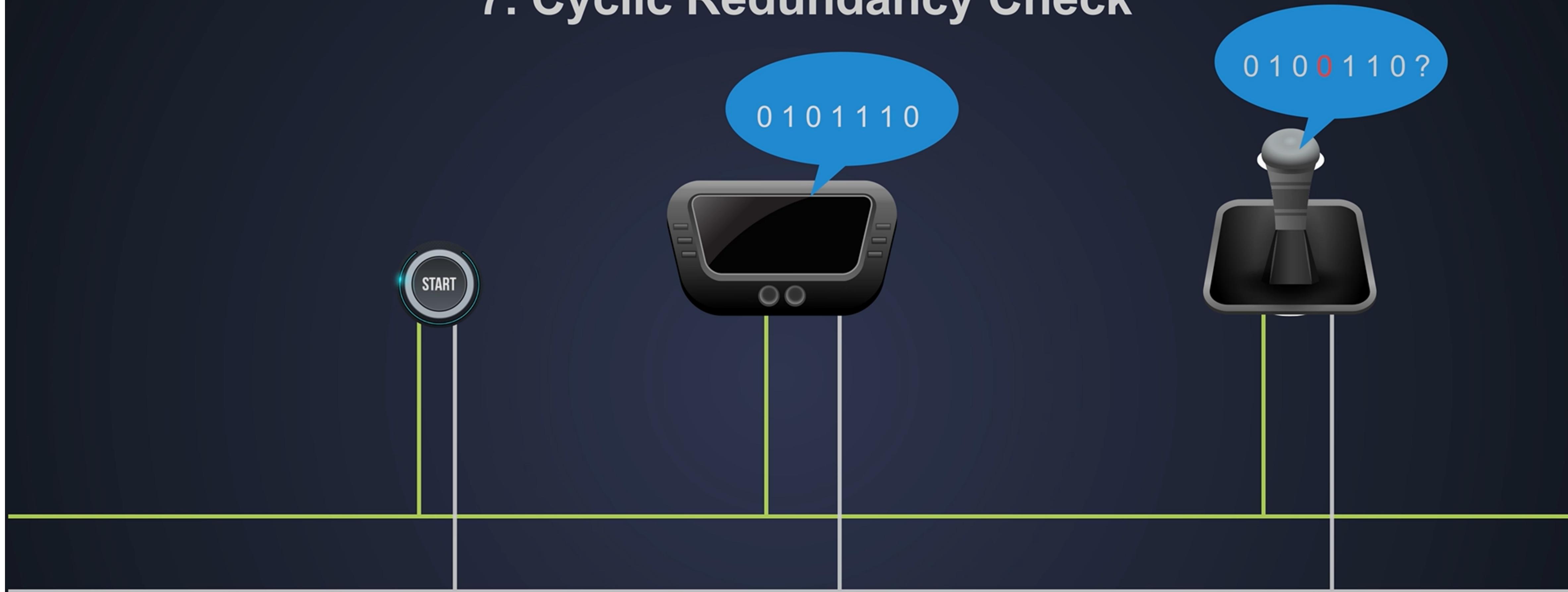
V1-V2

0 2 0 2 2 0 0 2 0 2 2 0 0 2 0 2 2 0

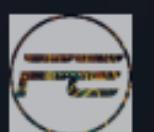
Activate Windows  
Go to Settings to activate Windows.



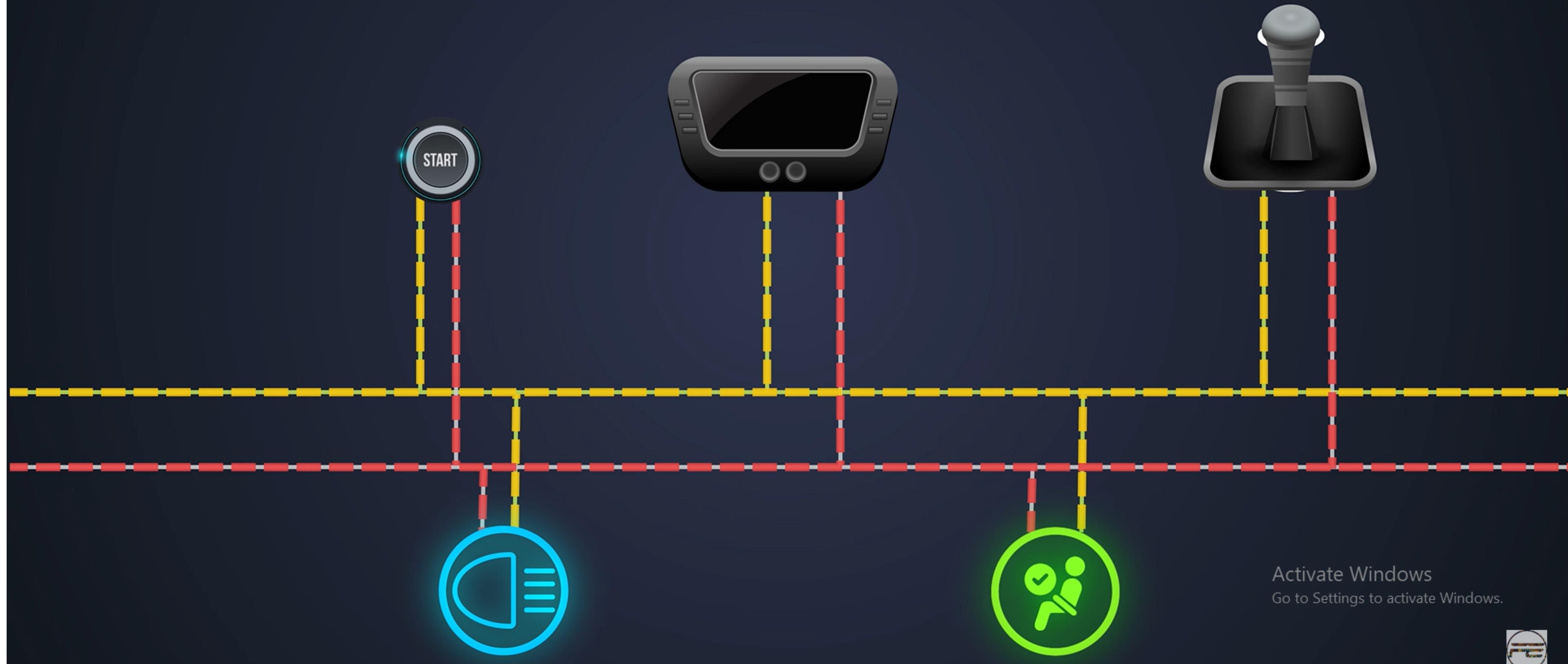
## 7. Cyclic Redundancy Check



Activate Windows  
Go to Settings to activate Windows.



## 8. Error Confinement Mechanism



# THANK YOU