

Initialize The CAN Datalink

This example initializes the CAN Datalink to 250K bps 29-bit identifier preferred.

```
#include <windows.h>
#include <stdio.h>

#include "datalink.h"

void DisplayInitDataLink(void);

void main(void)
{
    CommLinkType CommLinkData;
    ReturnStatusType InitCommStatus;
    ReturnStatusType RestoreCommStatus;

    CommLinkData.bCommPort =eComm2;
    CommLinkData.bBaudRate =eB115200;
    InitCommStatus = InitCommLink(&CommLinkData);

    DisplayInitDataLink();

    printf("This example works!!! \n");
    RestoreCommStatus = RestoreCommLink();
}

void DisplayInitDataLink(void)
{
    InitDataLinkType InitDataLinkData;
    ReturnStatusType InitDataLinkStatus;

    InitDataLinkData.bProtocol = eJ1939; // Select protocol
    InitDataLinkData.pfDataLinkError = NULL; // No Error Callback
    InitDataLinkData.pfTransmitVector = NULL; // No CAN TX Callback
    InitDataLinkData.pfReceiveVector = NULL; // No CAN Receive
Callback
    InitDataLinkData.bParam0 = 0x41; // Set Baud
    InitDataLinkData.bParam1 = 0x58;
    InitDataLinkData.bParam2 = 0x00; // 29-bit preferred
    InitDataLinkStatus = InitDataLink( &InitDataLinkData);

    /* process the returned status */
    switch(InitDataLinkStatus)
    {
        case eNoError:
        {
            MessageBox(NULL,
                "DataLink successfully initialized.",
                InitDataLink,MB_OK);
            break;
        }

        case eDeviceTimeout:
```

```
{
    MessageBox(NULL,
        "DataLink not responding.",
        InitDataLink,MB_OK);
    break;
}

case eProtocolNotSupported:
{
    MessageBox(NULL,
        "Requested protocol is not supported",
        InitDataLink,MB_OK);
    break;
}

case eSyncCommandNotAllowed:
{
    MessageBox(NULL,
        "Cannot call from within a callback (ISR) routine.",
        InitDataLink,MB_OK);
    break;
}
}
}
```

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