

## Create a receive mailbox using a callback routine

This example illustrates the creation of a Receive mailbox using a callback routine.

```
#include <windows.h>
#include "datalink.h"

unsigned char bCallBackBuffer[8];

void CALLBACK CallBackRoutine (MailBoxType *Handle)
{
    /* Copy data */
    memcpy (Handle->vpData, Handle->bData, Handle->bDataCount);
}

void TestLoadMailBox (void)
{
    LoadMailBoxType  LoadMailBoxData;
    ReturnStatusType LoadMailBoxStatus,
    UnloadMailBoxStatus;
    MailBoxType      *CallBackHandle = NULL;

    /* load Receive MailBox for callback */
    memset (&LoadMailBoxData, 0, sizeof(LoadMailBoxType));
    LoadMailBoxData.bProtocol          = eJ1939;
    LoadMailBoxData.bRemote_Data      = eRemoteMailBox;
    LoadMailBoxData.bBitIdentSize     = 29;
    LoadMailBoxData.bTransportType    = eTransportNone;
    LoadMailBoxData.dwMailBoxIdent    = 0x00001234L;
    LoadMailBoxData.dwMailBoxIdentMask = 0x00L;
    LoadMailBoxData.bTransparentUpdateEnable = FALSE;
    LoadMailBoxData.bTimeStampInhibit  = FALSE;
    LoadMailBoxData.bIDInhibit         = FALSE;
    LoadMailBoxData.bDataCount         = 8;
    LoadMailBoxData.pfApplicationRoutine = CallBackRoutine;
    LoadMailBoxData.vpData              = bCallBackBuffer;
    LoadMailBoxStatus                  = LoadMailBox(&LoadMailBoxData);
    if (LoadMailBoxStatus == eNoError)
    {
        CallBackHandle = LoadMailBoxData.pMailBoxHandle;
    }

    /* unload mailbox now that we are done */
    UnloadMailBoxStatus = UnloadMailBox (CallBackHandle);
    CallBackHandle = NULL;
}
```

**Dearborn Group, Inc.**

(248) 488-2080 | (248) 488-2082 FAX | [dg@dgtech.com](mailto:dg@dgtech.com)

Copyright © 2002 Dearborn Group Inc.