

5 ratings:  3 out of 5 [Rate this Document](#)

Which NI-CAN Frame API Functions does the NI USB-847x Device Support?

Hardware: Industrial Communications>>CAN>>USB-CAN

Problem:

Are there any Frame API functions that are not supported by my NI USB-847x device?

Solution:

Yes, the NI USB-847x devices do not support the CAN Object related subset of the Frame API functions. The following overview describes the subset of the Frame API features that can be used with USB CAN and USB LIN products. *Note: The overview applies to LabVIEW, C/C++ and VB.*

Supported Functions (see limitations):

```
ncAction
ncClose
ncConnectTerminals / ncDisconnectTerminals
ncGetAttr / ncSetAttr
ncOpen
ncWaitForState
```

Unsupported Functions:

```
ncConfigCANNetRTSI
ncConfigCANObjRTSI
ncGetTimer
ncReadObj
ncReadObjMult
ncWriteObj
```

Limitations:

ncAction	The <i>Output On RTSI Line</i> action is not supported.
ncConnectTerminals / ncDisconnectTerminals	<p>For the devices with synchronization, the following source/destination terminals are supported:</p> <p><i>RTSI0:</i> Used to import/export start trigger from another device.</p> <p><i>RTSI7 / RTSI Clock:</i> Used to import/export timebase from another device.</p> <p><i>20MHz Timebase /Master Timebase:</i> Used to export/import timebase to another device.</p> <p><i>Start Trigger:</i> Used to export/import start trigger to another device</p>

ncGetAttr / ncSetAttr	All <i>CAN Object</i> or <i>RTS</i> related properties are not supported
ncWaitForState	The <i>Read Multiple</i> and <i>Write Multiple</i> states are not supported.

Related Links:

[KnowledgeBase 4DBCH31S: How To Access USB-845x API Functions From C Program?](#)

Attachments:

Report Date: 02/20/2007

Last Updated: 02/23/2012

Document ID: 46JCHSJL

Your Feedback! ◀ Poor | Excellent ▶ Yes No

Document Quality? ☐ ☐ ☐ ☐ ☐ Answered Your Question? ☐ ☐

 1 2 3 4 5

Document needs work? Please tell us why.

Please [Contact NI](#) for all product and support inquiries.

Submit ▶

[My Profile](#) | [RSS](#) | [Privacy](#) | [Legal](#) | [Contact NI](#)

© 2012 National Instruments Corporation. All rights reserved.

|  [E-Mail this Page](#)