

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

Decimal Value	Hexadecimal Value	Description
-1074388991	0xBFF62001	The timeout of a wait or notification function expired before any desired state occurred. Solutions: Increase value of Timeout parameter; Verify your cable connections and operation of remote devices.
-1074388990	0xBFF62002	An internal error occurred in the NI-CAN driver. A description is located in the file NicanErr.txt in your Windows folder. Solutions: Email or fax the NicanErr.txt file to National Instruments for technical support.
-1074388989	0xBFF62003	There is a basic syntax error in the ObjName parameter. Solutions: Verify that the name does not contain invalid characters, and that it uses the syntax specified for the Open function.
-1074388988	0xBFF62004	A function parameter is invalid. Solutions: Read the function description and verify that you provide a valid value for each parameter.
-1074388987	0xBFF62005	The value of one or more properties (attributes) is invalid. This error occurs for Set (one value bad) or Initialize/Config (one or more values bad). Solutions: Consult the Programmer Reference to verify the values of each property.
-1074388986	0xBFF62006	The object is already open in another application. Solutions: Ensure that only one application at a time uses an object, and that you close all objects prior to exiting your application (don't use LabVIEW toolbar's Abort button).
-1074388985	0xBFF62007	You attempted to set a configuration attribute while the object is running. Solutions: Configure attributes prior to opening the object; Stop and restart communication as needed so that you can update configuration attributes.
-1074388984	0xBFF62008	Write queue overflow. Solutions for CAN Object: Increase the length of the write queue; Wait for Write Success state prior to calling Write; To transmit recent data only, set the write queue length to zero. Solutions for Net Interface: Wait for Write Mult state then repeat Write; Get Number of Entries Free attribute and Write that number of frames.
-1074388982	0xBFF6200A	A known feature is not supported. Solutions: Refer to the descriptions in the manual to determine which feature is unsupported.
-1074388981	0xBFF6200B	CAN bus problems caused all communications to stop. This error corresponds to CAN Bus Off state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
-1074388978	0xBFF6200E	You called Read DeviceNet Explicit Message before the response arrived. Solution: Wait for the Read Avail state prior to calling read; Make sure you call Write DeviceNet Explicit Message before calling read (every response requires a request).
-1074388977	0xBFF6200F	The DeviceNet duplicate MAC ID check failed for the Interface Object. Solution: Using a Who utility, determine an unused MAC ID in your DeviceNet system, and use that MAC ID for Open DeviceNet Interface.
-1074388976	0xBFF62010	Error initializing DeviceNet device. Miscellaneous device init error. Solution: Verify that the configuration specified in Open functions matches the capabilities of your device.

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

-1074388975	0xBFF62011	DeviceNet device not found. A connection could not be established with the MAC ID specified in the Open function. Solutions: Use a Who utility to verify that the device exists at the expected MAC ID; Verify that cabling is correct.
-1074388974	0xBFF62012	DeviceNet message fragments received out of sequence. Fragmentation breaks a large message into smaller fragments for network transmission. Solutions: Verify that cabling is correct; Contact device manufacturer (bug in device).
-1074388972	0xBFF62014	Error response received from remote DeviceNet device. Indicates that Get / Set Dnet Attribute failed in the device. Solutions: Using DeviceError, refer to the error codes in the DeviceNet Specification or to documentation from the device vendor.
-1074388969	0xBFF62017	This attribute's value must be provided prior to the Open. Solutions: Set the attribute using the Config function before the Open, and do not set the attribute at any later time; Do not configure multiple CAN Objects for the same ID.
-1074388959	0xBFF62021	The watchdog timeout for a CAN Object expired, indicating that data was not received at the rate expected. Solutions: Verify your cable connections and operation of remote devices; Increase the Period of the CAN Object.
-1074388957	0xBFF62023	The Interface is invalid or unknown. Solutions: Verify that the interface is assigned to a specific port within the Devices and Interfaces branch of the Measurement and Automation Explorer (MAX).
-1074388956	0xBFF62024	The object handle (ObjHandle) is invalid. Solutions: Verify that the Open function succeeded; Verify that you do not close the handle in another thread of execution (such as with ncReset).
-1074388954	0xBFF62026	The DeviceNet Interface Object is already open with a different Poll Mode, or you used PollMode of Automatic then opened an I/O connection after start. Solutions: Change all Poll Mode parameters to match; Stop communication with Operate Dnet Interface before trying to add I/O connections.
-1074388952	0xBFF62028	Overflow in the lower level read queue of the CAN card (frames lost). NI-CAN reads this queue at Windows interrupt-time. Solutions: Avoid tasks that generate excessive interrupts on your PC (mouse, ethernet, ...); Avoid running other applications during your test (screen savers, MAX, ...); use Series 2 Filter Mode to filter incoming traffic; For CAN Objects (Frame API), increase read queue length or call Read more frequently.
-1074388949	0xBFF6202B	CAN bus problems (stuff error) caused all communications to stop. This error corresponds to CAN Bus Off state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
-1074388947	0xBFF6202D	Exceeded resource limit for queues in shared memory between firmware/driver. The ncReadMult function is not allowed. Solutions: Decrease queue lengths in objects; Set read queue length to at least 2; Decrease number of CAN Objects.
-1074388944	0xBFF62030	Error initializing DeviceNet device. Unsupported ConnectionType. For example, if the device supports only Strobed I/O, and you configure Polled I/O, this error occurs. Solution: Refer to the device documentation for valid connection types.

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

-1074388941	0xBFF62033	DeviceNet Interface Object not yet open. Solution: Open the DeviceNet Interface Object before opening any other objects (I/O or Explicit Messaging).
-1074388927	0xBFF62041	The connection to the DeviceNet device timed out. The device is no longer responding to messages sent by NI-DNET. Solutions: Increase the value of ExpPacketRate in Open Dnet IO; Use a Who utility to verify that the device is operational.
-1074388925	0xBFF62043	The CAN Object name is invalid or unknown. Solutions: Verify that you use the syntax specified in the NI-CAN documentation.
-1074388922	0xBFF62046	You tried to open a DeviceNet COS I/O connection with a Cyclic I/O connection already open for that device. Solutions: COS and Cyclic connections are mutually exclusive, so you can only open one type for a given device.
-1074388920	0xBFF62048	Overflow in the CAN communication chip. This error occurs when frames are received back-to-back for long periods. Solutions: Set Series 2 Filter Mode to filter out frames; Dedicate entire CAN card to receive high busload (transmit with 2nd card, receive another network with 2nd card instead and 2nd port).
-1074388917	0xBFF6204B	CAN bus problems (bad frame format) caused all communications to stop. This error corresponds to CAN Bus Off state. Solutions: Verify that cabling is correct, devices are connected and operational, and that proper bus power is applied.
-1074388915	0xBFF6204D	Exceeded resource limit for DeviceNet I/O tables. Solutions: Decrease the number of I/O connections used; Decrease the InputLength or OutputLength used for a given I/O Object (255 max).
-1074388912	0xBFF62050	Error initializing DeviceNet device. Unsupported InputLength. InputLength must match the produced_connection_size attribute in the device's I/O Connection Object. Exception: For Strobed I/O as a slave, InputLength must be 1.
-1074388888	0xBFF62068	Intermediate receive queue overflow. This queue holds frames as they are transferred from the CAN chip into object read queues. Solutions: Set Net Interface mask and comparators to filter out frames; Reduce overall bus traffic.
-1074388885	0xBFF6206B	CAN bus problems (no ack) caused all communications to stop. This error corresponds to CAN Bus Off state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
-1074388883	0xBFF6206D	Exceeded limit for length of Write DeviceNet Explicit Message. The maximum length of an explicit message request is 240 service data bytes. Solutions: Decrease the length of the explicit message request.
-1074388880	0xBFF62070	Error initializing DeviceNet device. Unsupported OutputLength. OutputLength must match the consumed_connection_size attribute in the device's I/O Connection Object. Exception: For Strobed I/O as a master, OutputLength must be 1.
-1074388856	0xBFF62088	Overflow in timed transmit list. This list holds frames for pending timed transmissions (Write of Net Interface with timestamp). Solutions: Increase the length of the timed transmit list; Wait for timed frames to transmit before Write.

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

-1074388853	0xBFF6208B	CAN bus problems (tx 1, rx 0) caused all communications to stop. This error corresponds to CAN Bus Off state. Solutions: Verify that cabling is correct, devices are connected and operational, and that proper bus power is applied.
-1074388851	0xBFF6208D	Exceeded limit for length of Read DeviceNet Explicit Message. The maximum length of an explicit message response is 240 service data bytes. Larger responses are discarded. Solutions: Configure the device to return a smaller response.
-1074388848	0xBFF62090	Error initializing DeviceNet device. Unsupported ExpPacketRate. Solutions: Some devices place lower/upper limits on EPR; If EPR is small, increase it; If EPR is large, decrease it.
-1074388831	0xBFF620A1	Too many messages with high transmit rates. The combined timers cannot be accurately maintained. Solutions: Decrease the number of periodic transmissions; Decrease the transmit rate for one or more messages.
-1074388821	0xBFF620AB	CAN bus problems (tx 0, rx 1) caused all communications to stop. This error corresponds to CAN Bus Off state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
-1074388819	0xBFF620AD	You called Write DeviceNet Explicit Message before the response arrived for a previous write. Only one explicit message can be pending. Solutions: Finish the write/wait/read sequence before writing another explicit message request.
-1074388816	0xBFF620B0	Error initializing DeviceNet device. Vendor ID of device differs from your driver attribute. Solutions: If you replaced the device, use the new vendor ID as driver attr; If you no longer want to verify, remove the Set Driver Attr call.
-1074388789	0xBFF620CB	CAN bus problems (bad CRC) caused all communications to stop. This error corresponds to CAN Bus Off state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
-1074388787	0xBFF620CD	Exceeded resource limit for RTSI signals. Solutions: Decrease the number of RTSI signals used; Refer to your User Manual for information regarding valid RTSI signals for your CAN card.
-1074388784	0xBFF620D0	Error initializing DeviceNet device. Device Type of device differs from your driver attribute. Solutions: If you replaced the device, use the new device type as driver attr; If you no longer want to verify, remove the Set Driver Attr call.
-1074388757	0xBFF620EB	CAN bus problems (unknown Intel 82527 error) caused all communications to stop. This error corresponds to CAN Bus Off state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
-1074388752	0xBFF620F0	Error initializing DeviceNet device. Product Code of device differs from your driver attribute. Solutions: If you replaced the device, use the new product code as driver attr; If you no longer want to verify, remove the Set Driver Attr call.
-1074388736	0xBFF62100	Exceeded limit for total number of messages. Solution: For Channel API, decrease the number of messages; For Frame API, decrease number of CAN Objects that receive data by using the Network Interface to receive frames.

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

-1074388735	0xBFF62101	CAN chip supports at most 12 of the following CAN Objects: Tx By Response (Std or Xtd ID), Rx Xtd ID. Solutions: Set Tx By Response attributes to false; Config all Tx Xtd before Rx Xtd; Don't use Net Intf to receive Xtd frames (CompXtd=None).
-1074388734	0xBFF62102	A sample rate (duration) that you submitted is too large or too small. Solutions: Read the function description to determine whether to increase or decrease the sample rate.
-1074388733	0xBFF62103	The CAN card's firmware no longer responds to commands from the Windows driver, usually due to frequent CAN or timer interrupts. Solutions: Use comparator/mask (filter) properties to reduce received traffic.
-1074388732	0xBFF62104	The property ID, attribute ID, or operation code that you provided is invalid. Solutions: Read the function description and verify that you provide a valid ID.
-1074388731	0xBFF62105	The size or length that you provided is invalid (too small or large), and the operation could not continue. Solutions: Read the function description and verify that you provide a valid size (or length).
-1074388730	0xBFF62106	The length that you provided for the timed transmit list is invalid. Solutions: Decrease the length that you provide as the attribute for timed transmit length.
-1074388729	0xBFF62107	You tried to create 2 or more notifications in different threads of execution. Solutions: Create only one notification for each object; Cancel notification (ncCreateNotification/ncCreateOccur.vi with DesiredState=0) prior to calling ncCloseObject.
-1074388728	0xBFF62108	The NI-CAN and NI-DNET functions cannot be used simultaneously on the same CAN card (even 2-port cards). Solution: Use 2 or more CAN cards, with NI-CAN on one card, and NI-DNET on the other.
-1074388726	0xBFF6210A	The language interface for NI-CAN cannot find a required DLL (such as NIKAN.DLL). Solution: Uninstall NI-CAN and re-install.
-1074388725	0xBFF6210B	The language interface for NI-CAN cannot find a required function in NIKAN.DLL. Solution: Uninstall NI-CAN and re-install.
-1074388724	0xBFF6210C	The language interface for NI-CAN cannot acquire a required resource (i.e. mutex). Solution: Uninstall NI-CAN and re-install.
-1074388723	0xBFF6210D	Your application uses a feature that is not supported by your NI CAN hardware. Solutions: Contact NI to upgrade your CAN hardware; Consult the Programmer Reference to avoid the new feature (typically related to RTSI or SJA1000).
-1074388722	0xBFF6210E	Your application uses a feature that is supported by older Series 1 NI CAN hardware only, but you are using Series 2 or later. Solutions: Consult the Programmer Reference to update your application to the improved feature of your hardware.
-1074388721	0xBFF6210F	Set of the absolute timestamp cannot be done when periodic CAN Objects are running. Solutions: Set the timestamp prior to starting the CAN Objects (using ncAction).
-1074388720	0xBFF62110	You can not use the Frame API and Channel API simultaneously on the same interface (such as CAN0). Tools in MAX use the Channel API. Solutions: Use a different interface with each API.

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

-1074388719	0xBFF62111	You can not call <code>ncWaitForState</code> more than once for the same object. Solutions: Include all desired states in a single call to <code>ncWaitForState</code> , then use the returned state to invoke the proper code in your application.
-1074388718	0xBFF62112	You used a feature that requires the CAN interface to be running, but you did not Start the interface. Solution: Use the Start function before the run-only feature (usually Read or a property).
-1074388717	0xBFF62113	You connected two or more SourceTerminal to the same DestinationTerminal. Solutions: Make sure that you Clear your task at the end of your application; Disconnect the previous SourceTerminal before connecting the new SourceTerminal.
-1074388716	0xBFF62114	You connected a SourceTerminal and DestinationTerminal combination that is not supported. Solutions: Refer to ConnectTerminals in the Programmer Reference for a listing of valid terminal combinations.
-1074388715	0xBFF62115	The start trigger that you specified in ConnectTerminals occurred before you called NI-CAN Start. Therefore, CAN and/or DAQ tasks start in the wrong order. Solution: Start tasks that receive the start trigger, then Start the task that generates it.
-1074388714	0xBFF62116	String input parameter is too large. Solutions: Consult the Programmer Reference to determine the maximum length of input string(s).
-1074388713	0xBFF62117	You called ReadMult for an object configured with Read Queue Length zero. Solutions: Configure Read Queue Length to a value greater than zero.
-1074388712	0xBFF62118	The NI-CAN driver failed to initialize the hardware. This may be due to a hardware resource conflict, such as the card's IRQ or physical memory. Solutions: Select the CAN card in MAX, run the Self-test, and view the resulting Status message for assistance.
-1074388711	0xBFF62119	You are calling Read too slowly for one task, but not others. The task that you Read slowly lost some of the oldest data from the network. Solutions: Remove long waits from your application to ensure that you Read CAN tasks uniformly.
-1074388710	0xBFF6211A	NI-CAN copies received CAN frames from the card to a large kernel-level queue. There is one queue for each Channel API message and one queue for each Frame API Network Interface. If your application does not read fast enough to empty this queue over time, the newest frames are lost. Solutions: Call Read more frequently (such as by reducing user-interface code); Frame API: Use filter attributes to reduce receive traffic; Channel API: Reduce the number of messages in your tasks; Use single sample Input (sample rate 0).
-1074388708	0xBFF6211C	You initialized the same message with different I/O modes. Solutions: For each message use only one I/O mode and sample rate (0 or not) combination at a time; Use a different interface (port) for each mode.
-1074388707	0xBFF6211D	Network Interface or CAN Object configuration is missing. All attributes of an object are deleted when the object is closed. Solutions: Call Config before every Open of an object; Config the Net Interface prior to all Open calls (even if only CAN Objects)

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

-1074388706	0xBFF6211E	You set a transceiver mode that is not supported by your CAN hardware. For example, Single-Wire modes are not supported for High-Speed or Low-Speed / Fault-Tolerant transceivers. Solutions: Consult the manual to determine the valid transceiver modes for your hardware.
-1074388705	0xBFF6211F	Wrong attribute / property for the transceiver mode given the current transceiver type. Solution: When transceiver type is External, use only the Transceiver External Outputs attribute. For all other transceiver types, use only the Transceiver Mode attribute.
-1074388704	0xBFF62120	Your application uses a feature that is only supported by XS models of NI CAN hardware. For example, you tried to set the Transceiver Type. Solutions: Consult the manual to avoid the XS feature; Contact NI to upgrade your CAN hardware to XS.
-1074388703	0xBFF62121	You cannot use the CAN transceiver (such as start communication) with the transceiver disconnected. Use the Disconnected mode only during physical switching of an external transceiver. Solutions: Set the transceiver type to External (or HS, LS, SW) before starting.
-1074388702	0xBFF62122	You attempted to transmit (write) a frame when Listen Only is true. The CAN controller does not allow transmission while Listen Only is enabled. Solutions: Set Listen Only to false (default); Remove all code that transmits either data frames or remote frames.
-1074388701	0xBFF62123	Attribute can be changed using ncSetAttribute only, not ncConfig. Solutions: ncConfig the Net Interface with StartOnOpen false, ncOpen the Net Interface, ncSetAttribute to change the attribute, then use ncAction to start communication.
-1074388700	0xBFF62124	You used a baud rate that is not valid for your transceiver type. For example, Low-Speed transceivers are limited to 125k, and Single-Wire transceivers are limited to 100k. Solutions: Use MAX to specify a valid baud rate in the interface's Properties dialog; For the Frame API, specify a valid baud rate in the Config function for the Net Interface.
-1074388699	0xBFF62125	NI-CAN copies received CAN frames from the card to a large kernel-level queue. There is one queue for each interface (port). If your application does not read fast enough to empty this queue over time, the newest frames are lost. Solutions: Call Read more frequently (such as by reducing user-interface code); Avoid running other applications during your test (screen savers, MAX, ...); use Series 2 Filter Mode to filter incoming traffic.
-1074388697	0xBFF62127	You connected an external timebase to the CAN card using ConnectTerminals, and the timebase disappeared (disconnected) during CAN communication (objects still open). Solution: Close/Clear NI-CAN objects before stopping the hardware that provided the timebase (such as a DAQ card).
-1074388696	0xBFF62128	You set the Timestamp Format attribute to enable relative timestamps, but one or more CAN objects were communicating. Solution: Ensure that all CAN communication for the card (including both interfaces) is stopped prior to setting the Timestamp Format attribute.

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

-1074388695	0xBFF62129	You tried to use NI-DNET software on a Series 2 CAN card. NI-DNET supports only the Series 1 CAN hardware that ships with NI DeviceNet kits. Solution: Use NI-DNET only with the CAN hardware provided in your NI DeviceNet kit.
-1074388694	0xBFF6212A	The encoding of the CAN logfile is invalid. Solutions: 1) If you are using a standardized format (such as the NI-CAN Logfile), ensure that the application that generated the file used the correct header and other encoding (refer to specification to verify). 2) Ensure that your file was not corrupted. 3) Change the code that reads the file to conform to the logfile's specification.
-1074388688	0xBFF62130	The number of periodic output tasks (Mode = Output, Sample Rate > 0) exceeded the limit. Solution: Reduce the number of periodic output tasks in your application; If you are using LabVIEW RT you can schedule periodic transmit (Sample Rate = 0) in the diagram.
-1074388687	0xBFF62131	The hardware-related attribute (such as transceiver type) cannot be determined due to hardware limitations. Solutions: Remove this attribute from your list of Get calls.
-1074388686	0xBFF62132	You wrote a Delay frame (type 5) to the virtual interface, and Virtual Bus Timing is disabled. Time delays are not simulated when Virtual Bus Timing is disabled. Solutions: 1) Filter out the Delay frame. 2) Enable Virtual Bus Timing.
-1074388685	0xBFF62133	You set an attribute that is not supported when Virtual Bus Timing is disabled. Refer to the Frame To Channel Conversion section of the NI-CAN manual for a listing of attributes that return an error when Virtual Bus Timing is false. Solutions: 1) Set Virtual Bus Timing true (or leave as default). 2) Do not set the unsupported attribute.
-1074388683	0xBFF62135	You used a feature that is not supported for virtual interfaces. Solutions: 1) Refer to the Frame To Channel Conversion section of the NI-CAN manual for a list of features that return an error for the virtual interface, and change your application to avoid that feature. 2) Run your application on real interfaces only.
-1074388682	0xBFF62136	You wrote more than 512 frames using the WriteMult function. Solution: Write frames in blocks of 512 frames or less.
-1074388681	0xBFF62137	Your CAN hardware is an early revision that is not supported by the current version of NI-CAN or NI-DNET. Solutions: 1) Revert to the previous version of NI-CAN or NI-DNET that you used originally. 2) Contact National Instruments to discuss options for a hardware upgrade or purchase.
-1074388680	0xBFF62138	You set Virtual Bus Timing true on one virtual interface, and false on another virtual interface. Solution: Set Virtual Bus Timing to the same value on all virtual interfaces.
-1074388679	0xBFF62139	You set an attribute on a real interface that is supported only for virtual interfaces, such as the Virtual Bus Timing attribute. Solutions: 1) Remove the attribute from your application. 2) Run your application on virtual interfaces only.

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

-1074388678	0xBFF6213A	You set the Virtual Bus Timing attribute to False for virtual interfaces, then you wrote a frame with a timestamp less than the timestamp of a previous frame (backward in time). When Virtual Bus Timing is False, timestamps must always increment forward in time. Solutions: Leave Virtual Bus Timing set to its default value of True (which allows backward time); Verify that the timestamps of all frames progress forward in time.
-1074388672	0xBFF62140	You write a Delay frame (type 5) using a timestamp greater than 3 seconds. Solution: Limit the timestamp of each delay frame to 3 seconds or less.
-1074388671	0xBFF62141	You set a legacy error logging attribute (Log Comm Warnings) true at the same time as a new error logging attribute (such as Log Transceiver Fault). You cannot use Log Comm Warnings with other error logging attributes. Solution: Remove Log Comm Warnings from your application to upgrade to the new attributes.
-1074388480	0xBFF62200	Exceeded limit for total number of tasks. Solution: Reduce the number of tasks in your application; If you use multiple tasks for the same message, combine them in order to use one task per message
-1074388479	0xBFF62201	Channel not found in MAX or the CAN database file. Solutions: Check for proper spelling using MAX; For Get/Set Property, ensure that the channel name exists in the task.
-1074388478	0xBFF62202	Channel exists in multiple messages, but you did not qualify the channel name with the message name. Solutions: Add the message name to the channel name using message.channel syntax.
-1074388477	0xBFF62203	Two or more messages use the same arbitration ID. Solution: Within MAX or your application, ensure that the arbitration ID is used for only one message.
-1074388476	0xBFF62204	String output parameter is too small to return the entire string. Solutions: Consult the Programmer Reference to determine the maximum length of output string(s).
-1074388475	0xBFF62205	Failed to open CAN database file. Solutions: Ensure that the file path for the file uses proper Windows syntax; Ensure that the file exists on your system.
-1074388473	0xBFF62207	You passed NULL for a required pointer. Solutions: Consult the Programmer Reference to ensure that you pass valid pointers to the function.
-1074388472	0xBFF62208	Can not use Timestamped Input with a task whose channels span multiple messages. The resulting timestamps are ambiguous for such tasks. Solutions: Initialize a separate task for each message.
-1074388471	0xBFF62209	Your call to Read or Write does not match the initialized input/output mode. For example, you called Read for a task initialized as output. Solutions: Consult the Programmer Reference to ensure that the initialized mode matches the read/write.
-1074388470	0xBFF6220A	You set the Timeout property greater than zero, and Read of timestamped samples detected a timeout before the number of desired samples arrived. Solutions: Set Timeout to zero to poll for available samples; Increase Timeout property.

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

-1074388469	0xBFF6220B	You did not pass an interface to Initialize, and a unique interface is not specified in MAX. Solutions: Use MAX to assign the same default interface for all messages in the task; Pass the desired interface to Initialize.
-1074388468	0xBFF6220C	The interface is transmitting frames, but no device in the network is receiving (acknowledging). Solutions: When running port-to-port examples, start the receiving example first; Verify that your CAN cabling and termination is correct.
-1074388466	0xBFF6220E	Start trigger did not occur for the task. You have routed the start trigger to be received from RTSI or some other terminal, but a pulse did not occur. Solutions: Start the CAN task first, then start the DAQ or other task immediately after.
-1074388465	0xBFF6220F	Message not found in MAX or the CAN database file. Solutions: Check for proper spelling using MAX.
-1074388464	0xBFF62210	You created a message for the Channel API with a data length greater than 8 bytes. The CAN protocol supports only 8 bytes messages. Larger messages require a higher-level protocol on top of CAN, such as SAE-J1939. Solutions: Configure the number of bytes per message to 8 bytes or less.
-1074388463	0xBFF62211	You called Read or Write with number of samples 0. You must read or write a buffer of at least one sample. Solutions: Use number of samples greater than or equal to 1.
-1074388462	0xBFF62212	You initialized a task with mode dependent channels as Timestamped Input, and you did not set the NoValue property prior to Start. Solutions: Set the NoValue property for all channels prior to Start; Initialize a separate task for each mode.
-1074388461	0xBFF62213	You initialized (created) a channel with invalid values for one or more properties. For example, a message length greater than 8 is invalid, or start bit greater than the message length is invalid. Solution: Resolve the invalid properties.
-1074388460	0xBFF62214	You initialized a CAN Output task with two or more channels that overlap in the message. Solution: Initialize only one of the overlapping channels at a time.
-1074388457	0xBFF62217	You initialized a CAN channel that is represented as an integer larger than 52 bits in the CAN message. The limit for integer channels is 52 bits. Solution: Reduce the number of bits for the channel to 52 bits or less.
1073094662	0x3FF62006	The object is already open, but you are allowed to use a duplicate handle. Solutions: Ensure that only one application at a time uses an object, and that you close all objects prior to exiting your application (don't use LabVIEW toolbar's Abort button).
1073094665	0x3FF62009	The data returned from this Read matches the data returned from the previous call to Read. Solutions: If you merely want the most recent data, ignore this warning; If you are using the NI-CAN Frame API or NI-DNET, you can Wait for the Read Avail state prior to calling Read.
1073094667	0x3FF6200B	CAN bus problems detected, but communication is proceeding. This warning corresponds to CAN Error Passive state. Solutions: Verify that cabling is correct, devices are connected and operational, and that proper bus power is applied.

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

1073094668	0x3FF6200C	CAN transceiver warning, typically indicated by the NERR signal. A fault exists on the bus, but communication continues. Solutions: Verify that cabling is correct.
1073094673	0x3FF62011	DeviceNet device not found. A connection could not be established with the MAC ID specified in the Open function, but NI-DNET is still attempting to connect.
1073094677	0x3FF62015	User's notification function never returned. Object was closed regardless. Solutions: Remove long loops or other time-consuming code from the function used with Create Notification.
1073094699	0x3FF6202B	CAN bus problems detected (stuff error), but communication is proceeding. This warning corresponds to CAN Error Passive state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
1073094701	0x3FF6202D	Exceeded resource limit for queues in shared memory between firmware/driver. Read or write queue performance is reduced. Solutions: Decrease queue lengths in objects; Decrease the total number of objects.
1073094731	0x3FF6204B	CAN bus problems detected (bad frame format), but communication is proceeding. This warning corresponds to CAN Error Passive state. Solutions: Verify that cabling is correct, devices are connected and operational, and that proper bus power is applied.
1073094763	0x3FF6206B	CAN bus problems detected (no ack), but communication is proceeding. This warning corresponds to CAN Error Passive state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
1073094795	0x3FF6208B	CAN bus problems detected (tx 1, rx 0), but communication is proceeding. This warning corresponds to CAN Error Passive state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
1073094827	0x3FF620AB	CAN bus problems detected (tx 0, rx 1), but communication is proceeding. This warning corresponds to CAN Error Passive state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
1073094859	0x3FF620CB	CAN bus problems detected (bad CRC), but communication is proceeding. This warning corresponds to CAN Error Passive state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
1073094891	0x3FF620EB	CAN bus problems detected (unknown Intel 82527 error), but communication is proceeding. This warning corresponds to CAN Error Passive state. Solutions: Verify that cabling is correct, devices are connected and operational, and proper bus power is applied.
1073094917	0x3FF62105	The size or length that you provided is invalid (too small or large), but the operation continued successfully. Solutions: Read the function description and verify that you provide a valid size (or length).
1073094921	0x3FF62109	The combined sample rates of all messages result in timing that is too fast. Solutions: Decrease number of messages; Decrease one or more sample rates; For Frame API, use Net Interface for all receiving.

NI-CAN 2.3.x & NI-DNET 1.4.x Error/Warning Codes

1073094950	0x3FF62126	You configured CAN transmit when a RTSI input pulses, and the RTSI rate occurs faster than CAN frames can be transmitted at the specified baud rate. Solutions: Configure the source of RTSI pulse (i.e. DAQ counter) for a slower rate.
1073095174	0x3FF62206	Your task is initialized with sample rate 0, but you Read or Write more than a single sample. Since unsampled frame transfer uses only a single sample, the additional samples are redundant. Solutions: Read or Write only one sample (single-sample modes).
1073095181	0x3FF6220D	Task is already running, and you called Start. The additional Start is ignored. Solutions: If you use InitStart for a task, an additional Start is not required.
1073095188	0x3FF62214	Two or more channels overlap in a message. If you know that this overlap is intentional, you can ignore this warning. Solutions: Change start bit or number of bits to avoid overlap; Define the overlapping channels as mode-dependent.
1073095189	0x3FF62215	When reading a .dbc file, GetNames detected multiple messages with the same name. To resolve this ambiguity, NI-CAN renamed the messages by adding the suffix "_<ID value>". Solutions: Change the .dbc file to ensure all message names are unique; Use the renamed messages in your application (ignore the warning).
1073095190	0x3FF62216	GetNames detected invalid channels in the database, and those invalid channels were removed from the returned list of channels. Example: channel with a start bit greater than the message length. Solution: Resolve the invalid properties in the database (using MAX or other vendor's editor); Use only valid channels in your application (ignore the warning).