



ControlLogix DeviceNet Interface Module

Catalog Numbers 1756-DNB, Series C and D

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About This Publication

These release notes correspond to the 1756-DNB DeviceNet interface module, series C and D, firmware revision 11.005 and earlier.

Before You Begin

This table describes important information about this product.

IMPORTANT	Before you use these release notes, consider the following:
	<ul style="list-style-type: none"> Firmware revision 11.002 or later is required for the 1756-DNB series D module. Revision 10.x will not run on a 1756-DNB series D module. To use the USB port, you must have RSLinx software, version 2.51 or later. If your Logix control program requires Electronic Keying of Exact Match, you must upgrade RSLogix 5000 software to version 17 or later.

Enhancement

An enhancement is listed in this table.

Table 1 - Enhancement with Firmware Revision 11.002

Enhancement	Description
Support for the 1756-DNB series D module	This firmware revision adds support for the 1756-DNB series D module. Firmware 11.x can also be used with the series C module.



Corrected Anomalies

Corrected anomalies are listed in these tables.

Table 2 - Corrected Anomalies in Firmware Revision 11.005

Corrected Anomaly	Description
Connection Failed error type resulted from bridging over DeviceNet via a 1756-DNB module and monitoring device parameters	<p>CORRECTED: If you bridged to a device on a DeviceNet network via a 1756-DNB module using firmware revision 11.002 or 11.003 and attempted to monitor the device's parameters in RSNetWorx for DeviceNet software the connection failed and device monitoring stopped.</p> <p>Typically this anomaly occurred 5..10 seconds after device monitoring began. When the anomaly occurred, a connection failed type error appeared in the RSNetWorx for DeviceNet software error window.</p> <p style="text-align: right;">Lgx00107704</p>

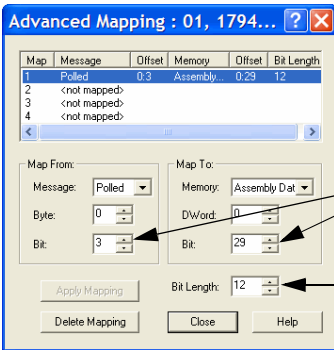
Table 3 - Corrected Anomalies in Firmware Revision 11.003

Corrected Anomaly	Description
Messages referencing attribute ID 0 were not sent properly on the DeviceNet network	<p>CORRECTED: If an explicit message was sent through the 1756-DNB module and that message referenced attribute ID 0, the attribute ID was stripped from the message before the message was sent on the DeviceNet network.</p> <p style="text-align: right;">Lgx00090090</p>

Table 4 - Corrected Anomalies in Firmware Revision 11.002

Corrected Anomaly	Description
Potential lockout of a slave device on a network	<p>CORRECTED: If a 1756-DNB module, series C, firmware revision 10.x is on a network with another master, the module could lock out a slave device that is in the other master's scanlist.</p> <p style="text-align: right;">Lgx00084208, Lgx00084998</p>

Table 5 - Corrected Anomalies in Firmware Revision 10.005

Corrected Anomaly	Description
Data value of -273817920 (0xEFADDEC0) appeared in controller input tag	<p>CORRECTED: When the connection from the Logix controller to the 1756-DNB series C module was reestablished, the data in the input tag for the 1756-DNB module was invalid until the first input packet was received from any node on the DeviceNet network in the 1756-DNB scan list. If the connection was reestablished after the 1756-DNB module was power cycled, a data value of -273817920 (0xEFADDEC0) appeared in the input tag until the first input packet was received.</p> <p style="text-align: right;">Lgx00082315</p>
Module faulted when using Advanced Mapping	<p>CORRECTED: The 1756-DNB module faulted when using Advanced Mapping for the Input Table or Output Table, with bit offsets or data sizes that are not multiples of 8 bits.</p> <div style="text-align: center;">  </div> <p style="text-align: right;">Lgx00082314</p>
1756-DNB module sent a change-of-state (COS) packet without waiting for an ACK	<p>CORRECTED: The 1756-DNB module sent a COS packet after sending a heartbeat packet without waiting for an ACK signal from the target node.</p> <p style="text-align: right;">Lgx00081482</p>

Known Anomalies

Known anomalies are listed in this table.

Table 6 - Known Anomalies in Firmware Revisions 11.002 and Earlier

Known Anomaly	Description
Update of 1756-DNB module fails when using ControlFlash software via DeviceNet port	Update attempted with ControlFLASH software via a DeviceNet port fails. Workaround - Update the 1756-DNB module via the ControlLogix backplane or via the USB port. Lgx00081806
Update of multiple modules simultaneously via USB port can fail	Do not update more than one module simultaneously over the USB port. Lgx00067859

Additional Resources

These documents contain additional information concerning related Rockwell Automation products.

Resource	Description
ControlLogix DeviceNet Scanner Module Installation Instructions, publication 1756-IN566	Provides information about how to install your 1756-DNB module.
DeviceNet Modules Installation Instructions, publication DNET-IN001	Provides information about how to install various DeviceNet communication modules.
DeviceNet Modules in Logix5000 Control Systems User Manual, publication DNET-UM004	Provides information about how to use your module after installation.

You can view or download publications at <http://www.rockwellautomation.com/literature/>. To order paper copies of technical documentation, contact your local Rockwell Automation distributor or sales representative.

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