



Programmable Terminal NB-series

Practices Guide New Functionalities for NB-Designer V1.51

NB3Q-TW01B
NB5Q-TW01B
NB7W-TW01B
NB10W-TW01B

Practices
Guide

■ Introduction

This guide describes reference information to create NB screens. It does not provide safety information.

Be sure to obtain the manuals for NB-series Programmable Terminals, read and understand the safety points and other information required for use, and test sufficiently before actual use of the equipment.

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Thank you for your usage of products of Omron Corporation ("Omron"). Without any special agreements, these terms and conditions shall apply to all transactions regardless of who sells.

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 - (a) Applications requiring high-level safety (e.g. nuclear control facilities, combustion facilities, aerospace and aviation facilities, railroad facilities, elevating facilities, amusement facilities, medical facilities, safety devices or other applications which has possibility to influence lives or bodies)
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 - (c) Applications in a harsh condition or environment (e.g. outdoor facilities, facilities with potential of chemical contamination or electromagnetic interference, facilities with vibration or impact, facilities on continual operation for a long period).
 - (d) Applications under conditions or environment which are not described in the catalogs
- Omron products in the catalogs are not intended to be used in automotive applications (including two-wheel vehicles). 以下同じ)向けではありません。 Please DO NOT use Omron products in automotive applications. Contact our sales personnel for automotive products.

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Warranty of Omron products is subject to followings.

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- Coverage: Omron will provide one of the services listed below, on the basis of Omron's decision.
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 - (b) Usage out of the conditions
 - (c) Usage out of Note about Use in these conditions
 - (d) Remodeling/repairing by anyone except Omron
 - (e) Software program by anyone except Omron
 - (f) Causes which could not be foreseen by the level of science and technology at the time of shipment of the products.
 - (g) Causes outside Omron or Omron products, including force majeure such as disasters

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Omron products and/or technical documents may not be provided to customers if they violate the laws and regulations.

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1 Related Manuals

No.	形式	Title
V106	NB□Q-TW01B NB□W-TW01B	NB-series Programmable Terminals NB-Designer OPERATION MANUAL
V107	NB□Q-TW01B NB□W-TW01B	NB-series Programmable Terminals SETUP MANUAL
V108	NB□Q-TW01B NB□W-TW01B	NB-series Programmable Terminals HOST CONNECTION MANUAL
V109	NB□Q-TW01B NB□W-TW01B	NB-series Programmable Terminals STARTUP GUIDE

2 Precautions

- (1) When building an actual system, check the specifications of the component devices of the system, use within the ratings and specified performance, and implement safety measures such as safety circuits to minimize the possibility of an accident.
- (2) For safe use of the system, obtain the manuals of the component devices of the system and check the information in each manual, including safety precautions, precautions for safe use.
- (3) It is customer's responsibility to check all laws, regulations, and standards that the system must comply with.
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- (5) The information in this document is current as of June 2020.
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Special information in this document is classified as follows:



Precautions for Safe Use

Describes precautions on what to do and what not to do to ensure proper operation and performance.



Precautions for Correct Use

Describes precautions on what to do and what not to do to ensure proper operation and performance.



Additional Information

Additional information to read as required.

This information is provided to increase understanding or make operation easier.

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3 New Functionalities for NB-Designer V1.51

3-1 Overview

This guide provides the information about the following features newly added to NB-Designer V1.51:

1. Copying screens and macros and pasting them to another project
2. Enhanced group components

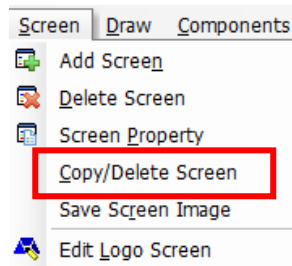
4 How to Use New Functionalities

4-1 Copying Screens and Macros and Pasting to Another Project

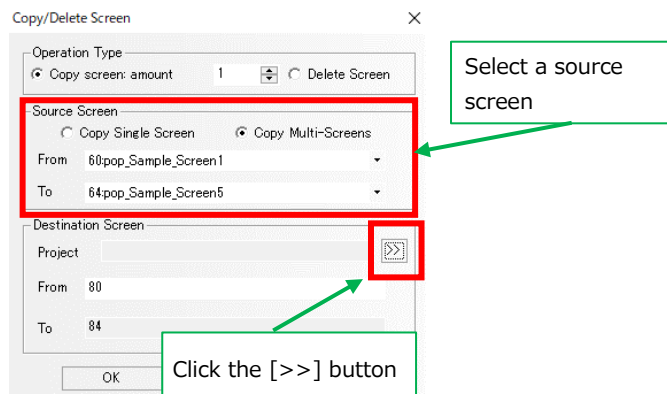
You can copy screens and macros and paste them to another project.

4 - 1 - 1 Screen Copy

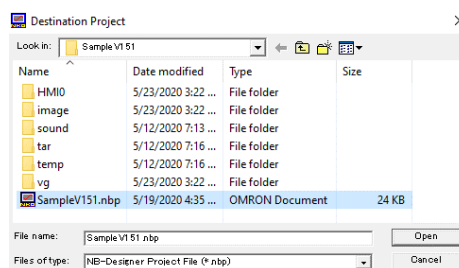
1. Open a source project. Select **Screen - Copy/Delete Screen**.



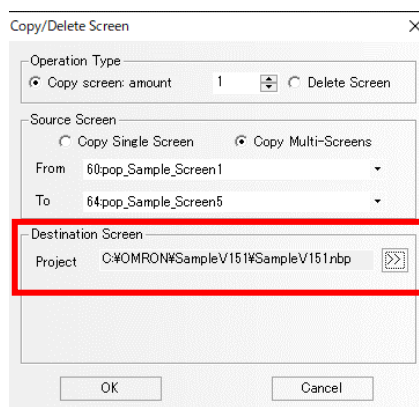
2. Select a source screen you want to copy. Click the [>>] button.



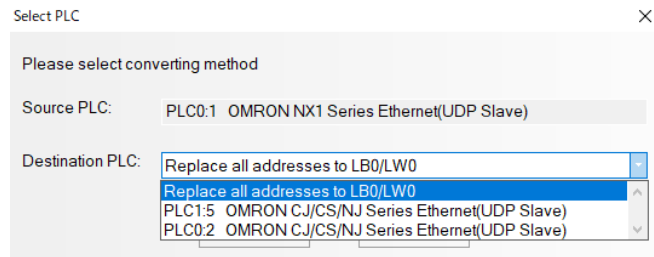
3. Select an .nbp file of the destination project.



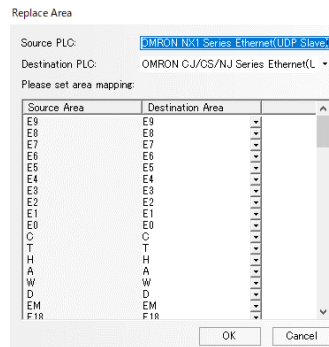
4. The path of the destination project is shown in the area boxed in red. Then click **OK**.
If the destination project has been closed, it will open automatically,



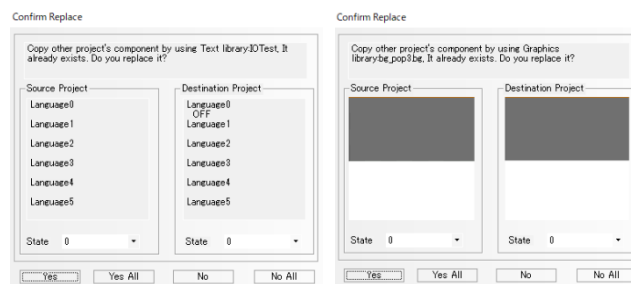
5. Select a destination host where the source address is pasted.



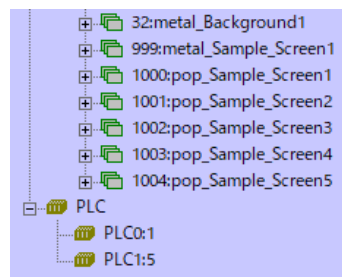
6. Assign the addresses of the sources and destinations in the same way as you replace PLC models.
Refer to *NB-series Programmable Terminals NB-Designer OPERATION MANUAL (V106)* for how to change PLC models.



7. When the text library or image library is overlapped, decide to replace it or not.



8. After copied and pasted, the newly added screens are given the numbers begin with the next number of the last screen number of the destination.
For example, if the last screen number of the destination is 999, the copied screens are pasted to 1000 and after.

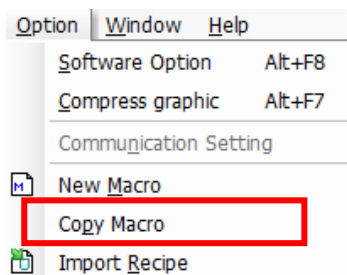


Additional Information

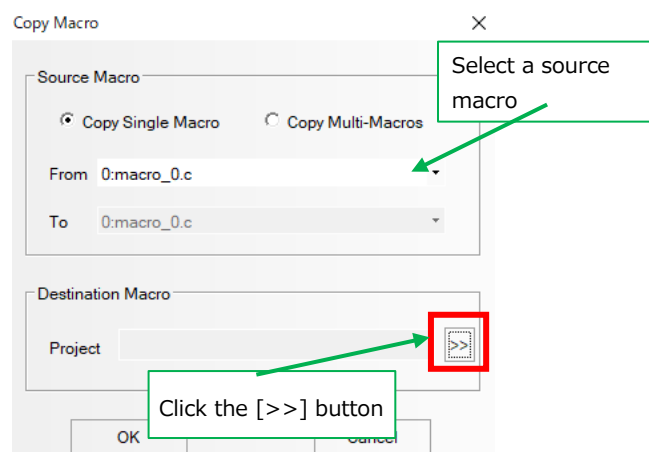
When the host of the destination project is the same as the host of the source, screens are copied retaining the PLC addresses assigned to components.

4 - 1 - 2 Macro Copy

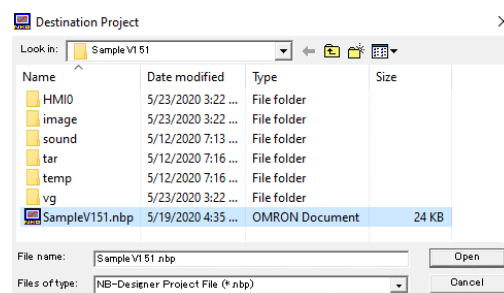
1. Open a source project Select **Option - Copy Macro**.



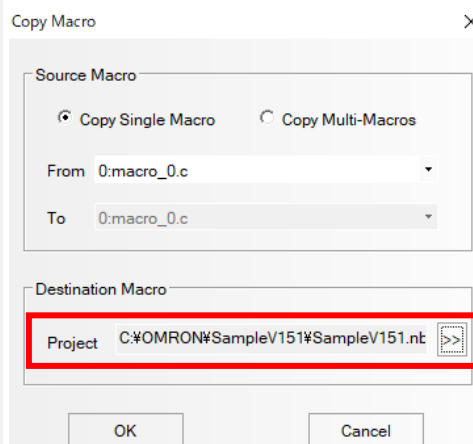
2. Open a source macro you want to copy. Click the [>>] button.



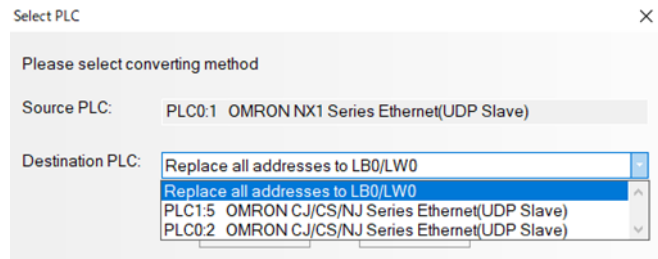
3. Select an .nbp file of the destination project.



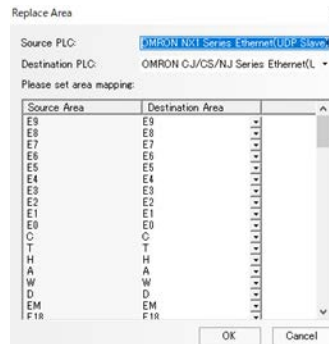
4. The path of the destination project is shown in the area boxed in red. Then click **OK**. If the destination project has been closed, it will open automatically,



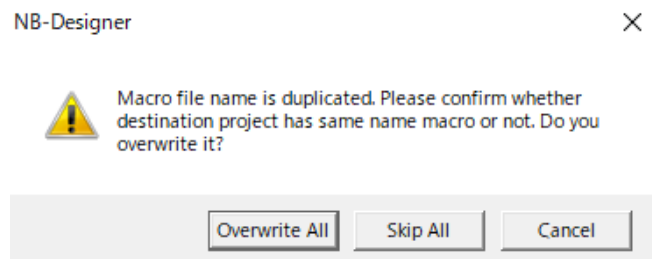
5. Select the destination host where the source address is pasted.



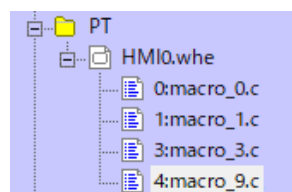
6. Assign the addresses of the sources and destinations in the same way as you replace PLC models.
Refer to *NB-series Programmable Terminals NB-Designer OPERATION MANUAL (V106)* for how to change PLC models.



7. When the file names of the source and destination are overlapped, decide to replace the file name. Click the **Overwrite All** button to overwrite the macro with the contents of the source. Select **Skip All** to copy only the macros whose file names do not exist in the destination project, and the overlapped macros are not copied. If you select **Cancel**, all macros are not copied.



8. The newly added macros are given the numbers begin with the next number of the last macro number of the destination. For example, if the last macro number of the destination is 3, the copied macros are pasted to 4 and after.



Additional Information

If the macro names are overlapped, those macro names are saved in the text file. The file name is fixed: MacroConflict.txt. The file is saved to the destination project folder.

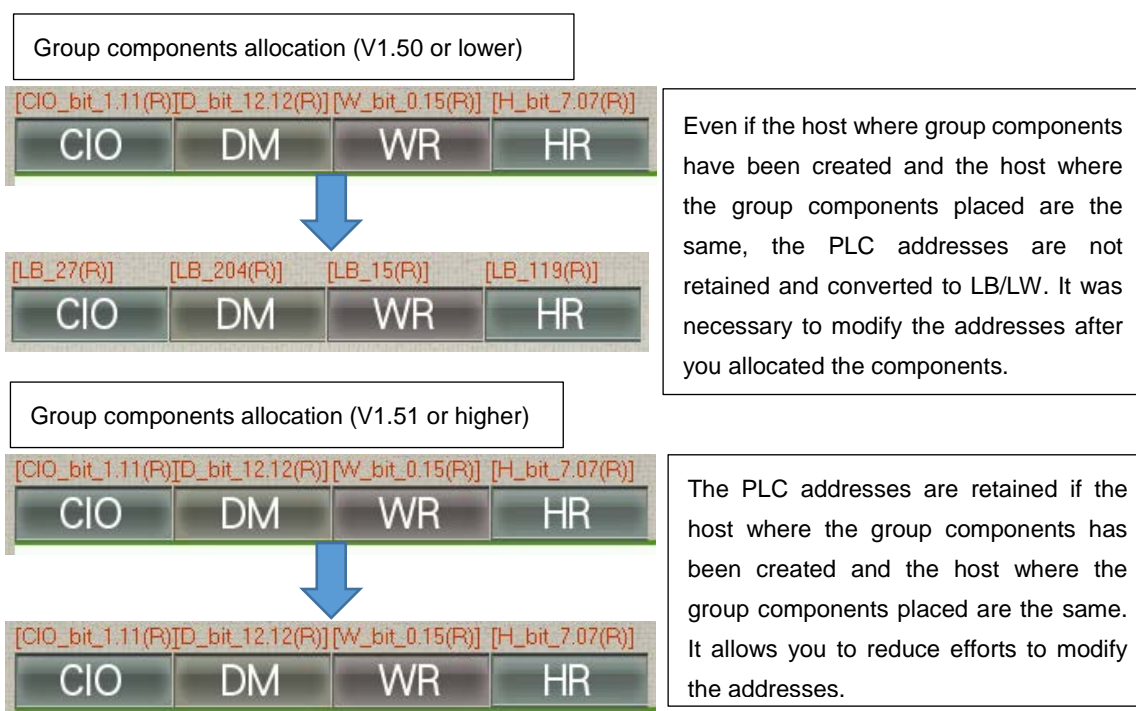
4-2 Enhanced Group Components

The following two functionalities are available in the version 1.51 or higher:

- 1) If the host where group components have been created and the host where the group components placed are the same, the PLC addresses in the group component library are retained.
- 2) A grouped component can be edited without ungrouping.

Refer to *NB-series Programmable Terminals NB-Designer OPERATION MANUAL (V106)* for how to use the group component library.

4 - 2 - 1 What Differs from the Former Version Group Component Library

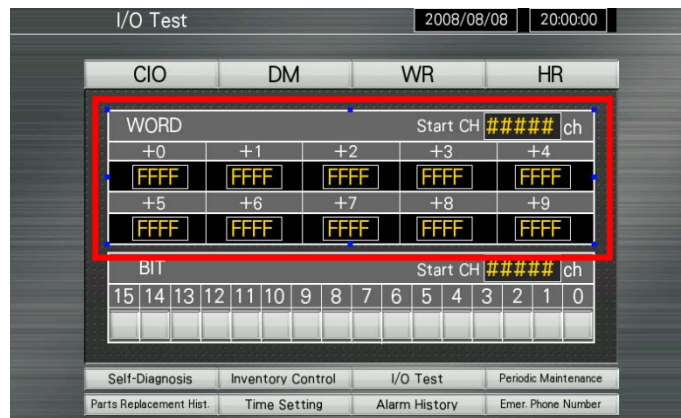


Additional Information

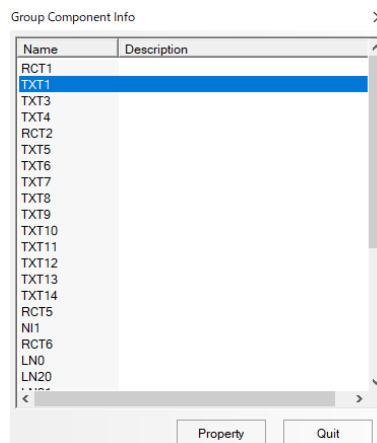
If the host where group components have been created and the host where the group components placed are not the same, the PLC addresses will be converted to LB0/LW0. To avoid that phenomenon, change the host of the destination project to the host where the group components have been created before you allocate the components. Then restore the host.

4 - 2 - 2 How to Edit Group Components

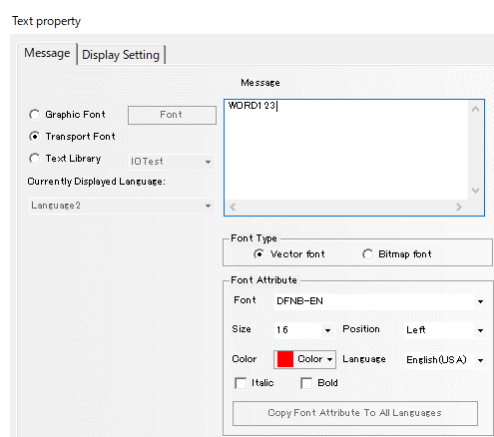
1. Select and double-click a component group.



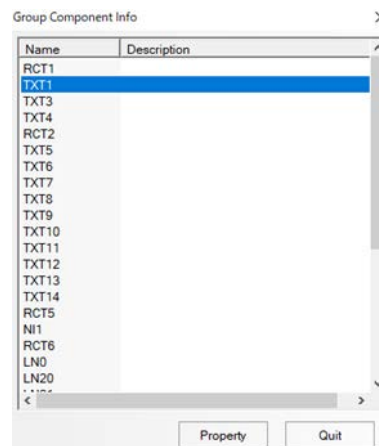
2. The list of grouped components is shown in the window. Select a component name you want to edit. Double-click it or click the **Property** button.



3. The properties of the selected component is displayed. Configure a necessary setting.



4. After you finish editing the component, you will return to the window shown in the Step 2. If you continue editing, select the next component name. Click the **Quit** button if you want to finish editing the group components.



Additional Information

It is possible to edit grouped components directly from the configuration element list or project work space in the V1.50 or lower. However, there are some problems: the components such as figures or strings, which do not have the address, are not shown; ungrouped components without address are also displayed.

V1.51 or higher is more user-friendly: figures and strings are shown, and only grouped components are displayed in the window.

To edit a label position, grouping must be cleared as before.

Revision History

Revision	Code	Date	Revision Description and Page
	01	June 2020	First edition