

Programmable Terminal NB-series

Practices Guide

- Disable/Enable communication with PLCs in Run-time
- Print Screen image + Display Component information
- Project file management

NB3Q-TW01B

NB5Q-TW01B

NB7W-TW01B

NB10W-TW01B

Practices

Guide



Contents

1.		Related Manuals				
2.		Precautions				
			able / Enable PLC communication in Run-Time			
			Configuration			
			t Screen image + Display Component information			
	4.′	1.	Print Screen functions	6		
	4.2	2.	Display Component Address	7		
5.		Proj	ect file management	8		
	5.′	1.	Procedure example	8		
6.		Revi	ision History	. 10		

1. Related Manuals

The manuals related to this document are the following:

No.	Model	Title
V106-E1-17	NB[]Q-TW01B	Programmable Terminals NB-Designer Operation Manual
	NB[]W-TW01B	
V107-E1-14	NB[]Q-TW01B	Programmable Terminals Setup Manual
	NB[]W-TW01B	
V108-E1-17	NB[]Q-TW01B	Programmable Terminals Host Connection Manual
	NB[]W-TW01B	
V109-E1-11	NB[]Q-TW01B	Programmable Terminals Start-up Guide Manual
	NB[]W-TW01B	

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 the customer's responsibility to check all laws, regulations, and standards that the system must comply with.
- (4) All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form, or by any means, mechanical, electronic, photocopying, recording, or otherwise, without the prior written permission of OMRON.
- (5) The information in this guide is current as of June 2018.It is subject to change without notice because of product's update.

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 safe usage of the product.



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.

It contains helpful and reference information for the users.

Copyrights and Trademarks

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3. Disable / Enable PLC communication in Run-Time

This function allows to disable or enable the PLC communication with the NB during Run-Time.

The communication via a port is stopped when a bit defined for each port is ON. This value is retained when the power is OFF (read/write).

The default value is OFF, therefore, the communication will be allowed in this case.

The different bits defined are:

9605.0: COM1 port.

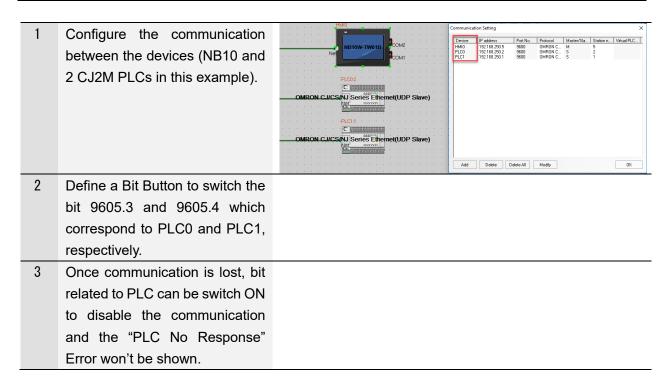
9605.1: Reserved.

9605.2: COM2 port.

9605.3 – 9606.A: An Ethernet host is allocated in ascending order of the station number (24 hosts).

9606.B and later: Reserved.

3.1. Configuration

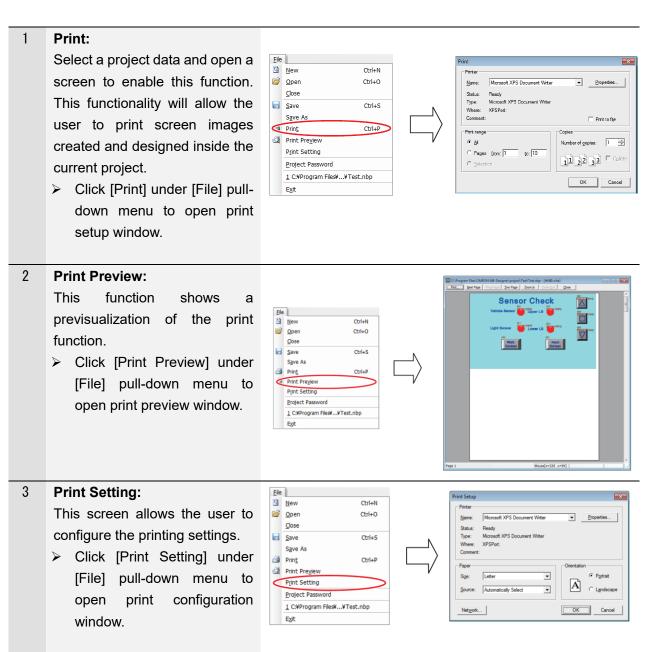


4. Print Screen image + Display Component information

Print function has been included under File pull-down menu list. This function allows the designer/developer to create easily a project manual and documentation due to the possibility to print the Screen Image designed in NB-Designer.

4.1. Print Screen functions

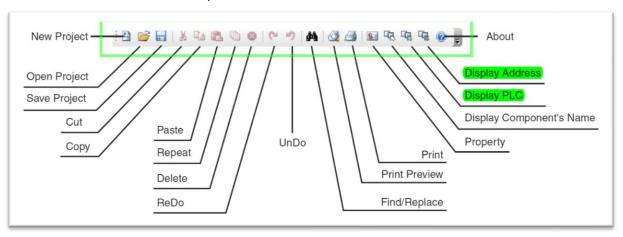
The different functions included are described as follows:



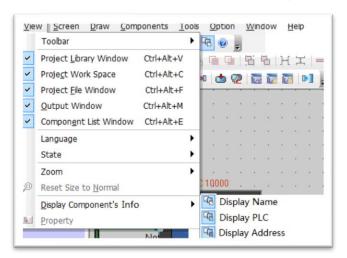
4.2. Display Component Address

Besides component name it is possible to display PLC name and Address for objects located in the Screen. These information will be shown in the document generated with the "Print" function defined in the previous section.

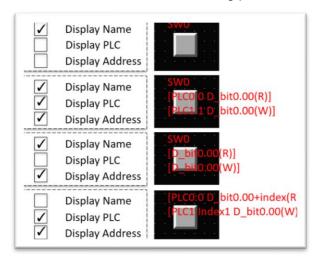
The Common Toolbar has been updated as follows:



Also, can be Enable/Disabled under pull-down menu [View] – [Display Component's Info]:



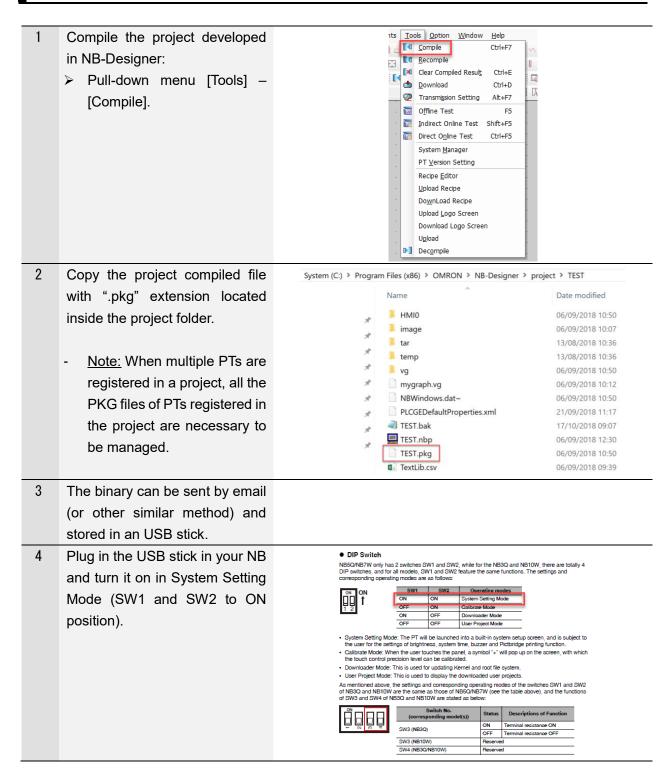
The different results/possibilities are described in the following picture:



5. Project file management

To send/receive the project between development and factory engineers, it is possible to follow the procedure described in this section. It allows you to manage just one binary file which contains the compiled project. It is not necessary to send the complete project folder but just one file.

5.1. Procedure example



- Download the project from the USB stick to the PT:
 - Vinder System Setting
 Window select [USB → HMI]
 search your file inside the
 USB stick Click [OK] –
 Download process will start.



6. Revision History

Revision Code	Date	Revised Content
01	October 2018	Original production