Microcontroller Technical Information

		Document No.	ZBG-CD-09-0065	1/2
QB-Programmer Programming GUI for QB-MINI2 Usage Restrictions		Date issued	December 24, 2009	
		Issued by	Development Tool Solution Group Multipurpose Microcomputer Systems Division Microcomputer Operations Unit NEC Electronics Corporation	
Related documents	QB-Programmer Operation User's Manual: U18527EJ1V0UM00	Notification classification	√	Usage restriction
				Upgrade
				Document modification
				Other notification

1. Affected product

Product	Outline	Affected Version
QB-Programmer	Programming GUI for QB-MINI2	V3.00 or earlier

Version confirmation:

- The version is displayed in the **Programmer** area in the programmer parameter window in the main window.

2. New item

A new restriction (No. 5) has been added. See the attachment for details.

3. Workaround

See the document for details.

4. Modification schedule

Products from which the above restriction (No. 5) is removed will be posted on the Development Tools Download webpage on January 13, 2010 (QB-Programmer V3.10).

* Note that this schedule is subject to change without notice. For the detailed release schedule of modified products, contact an NEC Electronics sales representative.

5. List of restrictions

See the attachment.

6. Document revision history

Programming GUI for QB-MINI2   QB-Programmer - Usage Restrictions

Document Number	Issued on	Description
ZBG-CD-06-0084	September 21, 2006	Newly created. Addition of new restriction (No. 6)
ZBG-CD-07-0006	January 18, 2007	Addition of new restrictions (No. 7 to No. 9) Addition of new specification (No. 10)
ZBG-CD-07-0035	June 4, 2007	Division of Product History into two sections: *Additions and changes to specification*, and *Restrictions*. Addition of new specification (No. 7)
ZBG-CD-09-0065	December 24, 2009	Addition of new restriction (No. 5) Deletion of *Additions and changes to specification* from the attachment

Restrictions on Using QB-Programmer

1. Product Version

Item No.	QB-Programmer Version	MINICUBE2 Firmware Version	Remark
<1>	V1.00	V1.00 or later and earlier than V4.00	
<2>	V2.00	V4.00 or later	
<3>	V2.10	V4.00 or later	
<4>	V2.20	V4.03 or later	
<5>	V2.21	V4.03 or later	
<6>	V2.22	V4.03 or later	
<7>	V2.24	V4.03 or later	
<8>	V3.00	V4.07 or later	
<9>	V3.10	V5.00 or later	

2. Restrictions

2.1 Restrictions list

No.	Restrictions	Item Number								
		<1>	<2>	<3>	<4>	<5>	<6>	<7>	<8>	<9>
1	Restriction on signature verification	O	×	O	O	O	O	O	O	O
2	Restriction on executing the **Read** command	–	×	×	O	O	O	O	O	O
3	Restriction on using UART communication with a high baud rate	O	×	×	O	O	O	O	O	O
4	Restriction on using PG-Programmer with a 78K0R/Kx3 microcontroller	–	×	×	O	O	O	O	O	O
5	Restriction on aborting QB-Programmer when a specific HEX file is loaded	×	×	×	×	×	×	×	×	O

–: Not relevant, ×: Applicable, O: Corrected

2.2 Restrictions details

No. 1 Restriction on signature verification

Description:

When the internal flash memory (using any kind of commands, such as the **E.P.V.** command) is manipulated with any one of the following 30 devices, signature verification might be invalid. In this case, the error message `E2004: Communication failure or timeout!` is output. If the signature verification is completed normally, data is written correctly.

Affected devices:

V850ES/Jx2: μPD70F3723, μPD70F3721, μPD70F3720, μPD70F3718, μPD70F3716, μPD70F3715

V850ES/IE2: μPD70F3713

V850ES/Hx2: μPD70F3711, μPD70F3709, μPD70F3706, μPD70F3703, μPD70F3702, μPD70F3700

V850ES/Fx2: μPD70F3238, μPD70F3232

78K0/Kx1+: μPD78F0102H, μPD78F0101H, μPD78F0113H, μPD78F0112H, μPD78F0123H, μPD78F0122H, μPD78F0136H, μPD78F0134H, μPD78F0133H, μPD78F0132H

78K0/Fx1+: μPD78F0878, μPD78F0877, μPD78F0874, μPD78F0872, μPD78F0871

Workaround:

Use QB-Programmer V1.00 as a temporary workaround.

Action:

This issue has been corrected in QB-Programmer V2.10 and later.

No. 2 Restriction on executing the **Read** command

Description:

If the **Read** command is executed for one of the devices below (as of December 1, 2006) under the conditions that the communication mode is SIO-H/S and the main clock frequency is 10 MHz or lower, the invalid error message `E0001: USB host connection failed.` might be output.

If the command execution is completed normally, it means that the **Read** command was executed correctly.

Affected devices: V850ES/Kx1+, V850ES/Kx2, V850ES/Sx3, V850ES/Fx3.

Workaround:

There is no workaround.

Action:

This issue has been corrected in QB-Programmer V2.20 and later and MINICUBE2 firmware V4.03 and later.

No. 3 Restriction on using UART communication with a high baud rate

Description:

When the internal flash memory (using any kind of commands, such as the **E.P.V.** command) is manipulated via UART communication with a communication speed higher than 115,200 bps, the error message `E2004: Communication failure or timeout.` might be output.

If the command execution is completed, it means that the command was executed correctly.

Workaround:

There is no workaround.

Action:

This issue has been corrected in MINICUBE2 firmware V4.03 and later.

No. 4 Restriction on using PG-Programmer with a 78K0R/Kx3 microcontroller

Description:

When the internal flash memory (using any kind of commands, such as the **E.P.V.** command) is manipulated with one of the following 78K0R/Kx3 devices of Ver. 2.1 or earlier, the error message `E2002:No response from Target Device. (Reset)` is output.

Affected devices: μPD78F1142, μPD78F1146, μPD78F1156, μPD78F1164, μPD78F1165, μPD78F1166

Workaround:

There is no workaround.

Action:

This issue has been corrected in QB-Programmer V2.20 and later.

No. 5 Restriction on aborting QB-Programmer when a specific HEX file is loaded

Description:

When the HEX file which meets following condition is read, QB-Programmer aborts.

　　[Condition]

　　　The HEX file by which the value which has added 32 bytes to the file size of the HEX file will be 4096 bytes of multiple

Workaround:

There is no workaround.

Action:

This issue will be corrected in the next revision.