

Microcontroller Technical Information

ID78K0S-QB 78K0S Integrated Debugger Usage Restrictions	Document No.	ZBG-CD-07-0057	1/1
	Date issued	August 30, 2007	
	Issued by	Development Tool Solution Group Multipurpose Microcomputer Systems Division Microcomputer Operations Unit NEC Electronics Corporation	
Related documents ID78K0S-QB Ver. 2.90 Operation User's Manual: U18247EJ1 78K0S Integrated Debugger ID78K0S-QB V2.90 Operating Precautions: ZUD-CD-06-0166	Notification classification	√	Usage restriction
			Upgrade
			Document modification
			Other notification

1. Affected product

Product Name	Outline	Affected Version
ID78K0S-QB	78K0S integrated debugger for IECUBE, MINICUBE+ and MINICUBE2	V2.90

2. New restrictions

New restrictions (No. 44 to No. 48) have been added.

See the attachment for details.

3. Workarounds

See the attachment for details.

4. Modification schedule

Issues No. 36 and No. 44 are planned for correction in ID78K0S-QB V3.00, which will be released on the Development Tools Download webpage on the following dates.

ID78K0S-QB V3.00 (English version): Available from September 2007.

ID78K0S-QB V3.00 (Japanese version): Available from September 2007.

* 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 for details.

6. Document revision history

78K0S Integrated Debugger ID78K0S-QB Usage Restrictions

Document Number	Date Issued	Description
ZBG-CD-05-0043	May 23, 2005	Notification of usage restrictions on ID78K0S-QB V2.81
ZBG-CD-06-0034	April 20, 2006	Notification of usage restrictions on ID78K0S-QB V2.81
ZBG-CD-06-0073	August 23, 2006	Notification of usage restrictions on ID78K0S-QB V2.82
ZBG-CD-07-0057	August 30, 2007	Notification of usage restrictions on ID78K0S-QB V2.90

List of ID78K0S-QB Usage Restrictions

1. Usage Restrictions

No.	Usage Restrictions	Affected Products	Version			
			V2.81	V2.82	V2.90	V3.00
1	Display digit of bit variable and bit field is wrong in Watch window	MINICUBE+	×	○	○	○
2	Read-only project file can be overwritten	MINICUBE+ MINICUBE2	×	×	○	○
3	Restriction on switching active project in PM+	MINICUBE+ MINICUBE2	×	×	–	–
4	Bug in changing file type by inputting "*.hex"	MINICUBE+ MINICUBE2	×	×	○	○
5	Source path cannot be added even if addition is specified by PM+	Common	×	×	×	×
6	Bug in redraw	Common	×	×	×	×
7	256-byte area can be used by user program	IECUBE MINICUBE+	×	×	×	×
8	Restriction on [Come Here] execution	IECUBE MINICUBE+	×	×	×	×
9	Maskable interrupt operation is performed upon non-real-time execution	MINICUBE+	×	○	○	○
10	Restriction on using pseudo real-time RAM monitor function (RRM function)	IECUBE MINICUBE+	×	×	×	×
11	Mapping information cannot be cleared correctly using "map -clear" command	MINICUBE+	×	×	○	○
12	Symbols with a func#var format cannot be converted into addresses	Common	×	×	×	×
13	When the view position is moved to the last address in the Memory window, an extra line is displayed	Common	×	×	×	×
14	Restriction related to operation in Assemble window	MINICUBE+ MINICUBE2	×	×	–	–
15	Search operation fails in Assemble window	Common	×	×	×	×
16	Refresh button appears dimmed in Watch window	MINICUBE+ MINICUBE2	×	×	○	○
17	Restriction that applies when a PSW subregister is registered in Watch window	Common	×	×	×	×
18	Search extending over a search-prohibited area is impossible	Common	×	×	×	×
19	Restriction on saving a file in Stack window	MINICUBE+ MINICUBE2	×	×	○	○
20	Restriction on opening Debugger Option dialog box	MINICUBE+ MINICUBE2	×	×	○	○
21	Restriction on switching Active/Static mode in Source window or Assemble window	MINICUBE+ MINICUBE2	×	×	○	○
22	Restriction on displaying a bit symbol of assembler source in Watch window	MINICUBE+ MINICUBE2	×	×	○	○
23	Restriction on displaying a character string in Watch window	MINICUBE+ MINICUBE2	×	×	○	○

×: Restriction applicable, ○: Restriction not applicable, –: Not relevant

Common: Issues common to IECUBE, MINICUBE+ and MINICUBE2

No.	Usage Restrictions	Affected Products	Version			
			V2.81	V2.82	V2.90	V3.00
24	Drive name disappears when setting a source path	MINICUBE+ MINICUBE2	×	×	○	○
25	Restriction on newly added path when setting a source path	MINICUBE+ MINICUBE2	×	×	○	○
26	Restriction on saving and loading a project file	MINICUBE+ MINICUBE2	×	×	○	○
27	Mixed view in the Source window is not displayed correctly during user program execution	Common	×	×	×	×
28	Restriction on translating symbol names into addresses	Common	×	×	×	×
29	Restriction on display of Watch window	MINICUBE+ MINICUBE2	×	×	○	○
30	PSW flags are not assembled normally	MINICUBE+ MINICUBE2	×	×	○	○
31	Restriction on pasting values onto clipboard	Common	×	×	×	×
32	The host machine displays the Blue Screen of Death or causes an illegal operation while the Hyper-Threading function is on	MINICUBE+	×	○	○	○
33	A buffer overflow occurs in the Watch window	MINICUBE+	×	○	○	○
34	The debugger hangs if a file name/function name list is acquired for a load module without debug information	MINICUBE+	×	○	○	○
35	An application error may occur	MINICUBE+	×	○	○	○
36	Restriction on RRM setting	MINICUBE2	–	×	×	○
37	The stack data may be damaged	MINICUBE2	–	×	○	○
38	The debugger does not operate with an external high- or low-speed clock	MINICUBE2	–	×	○	○
39	The debugger hangs up if the clock is stopped while the internal high-speed oscillation clock is not used	MINICUBE2	–	×	○	○
40	A monitor timeout error occurs upon CPU reset	MINICUBE2	–	×	○	○
41	The debugger hangs up during emulation of flash memory self-programming	MINICUBE2	–	×	○	○
42	No monitor programs can be downloaded to the 78K0S/KU1+	MINICUBE2	–	×	○	○
43	No breakpoints can be set	MINICUBE+ MINICUBE2	×	×	○	○
44	Line information is not output if the last instruction in a file is a 1-byte instruction	Common	×	×	×	○
45	Restrictions on adding SFRs to Add I/O Port dialog box	Common	×	×	×	×
46	Restriction on changing font size	Common	×	×	×	×
47	Restrictions on setting access breaks	Common	×	×	×	×
48	Restrictions on Watch window	Common	×	×	×	×

×: Restriction applicable, ○: Restriction not applicable, –: Not relevant

Common: Issues common to IECUBE, MINICUBE+ and MINICUBE2

2. Details of Usage Restrictions

No. 1 Display digit of bit variable and bit field is wrong in Watch window <MINICUBE+>

[Description]

If both a bit variable and bit field are displayed in the Watch window, the digit is not displayed as 1 digit, but as 16 digits (in binary, not 0b1 but 0b0000000000000001). The contents of data are correct.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.82.

No. 2 Read-only project file can be overwritten <MINICUBE+, MINICUBE2>

[Description]

Project files (*.prj, *.pri) can be overwritten depending on the OS even if the file attribute is set to Read-only.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 3 Active project cannot be switched correctly in PM+ <MINICUBE+, MINICUBE2>

[Description]

When both PM+ and the debugger are started and the active project is switched by PM+, if the activated project does not include the project file (.pri) of the debugger, the load module loaded by the previous active project is not reset and remains as is.

[Workaround]

Select "Execute symbol reset after download" in the Debugger Settings dialog box by selecting [Debugger settings...] on the [Tool] menu of PM+ before creating a project.

[Action]

This issue is excluded from restrictions of ID78K0S-QB V2.90 and later, in conjunction with the correction in PM+.

No. 4 Bug in changing file type by inputting "*.hex" <MINICUBE+, MINICUBE2>

[Description]

Even if the display of the extension select area is changed by specifying the file type as "*.hex" in the file selection area in a file selection dialog box, the change is not reflected internally.

[Workaround]

Specify the file type in the extension select area.

[Action]

This issue has been corrected in V2.90.

No. 5 Source path cannot be added even if addition is specified by PM+ <Common>

[Description]

When a project is saved in the ID78K0S-QB and then a new source path is added in PM+, the new source path cannot be added to the debugger.

[Workaround]

Select the "Debugger Options" menu from the [Option] menu. The Debugger Option dialog box is then opened, so add the source path manually.

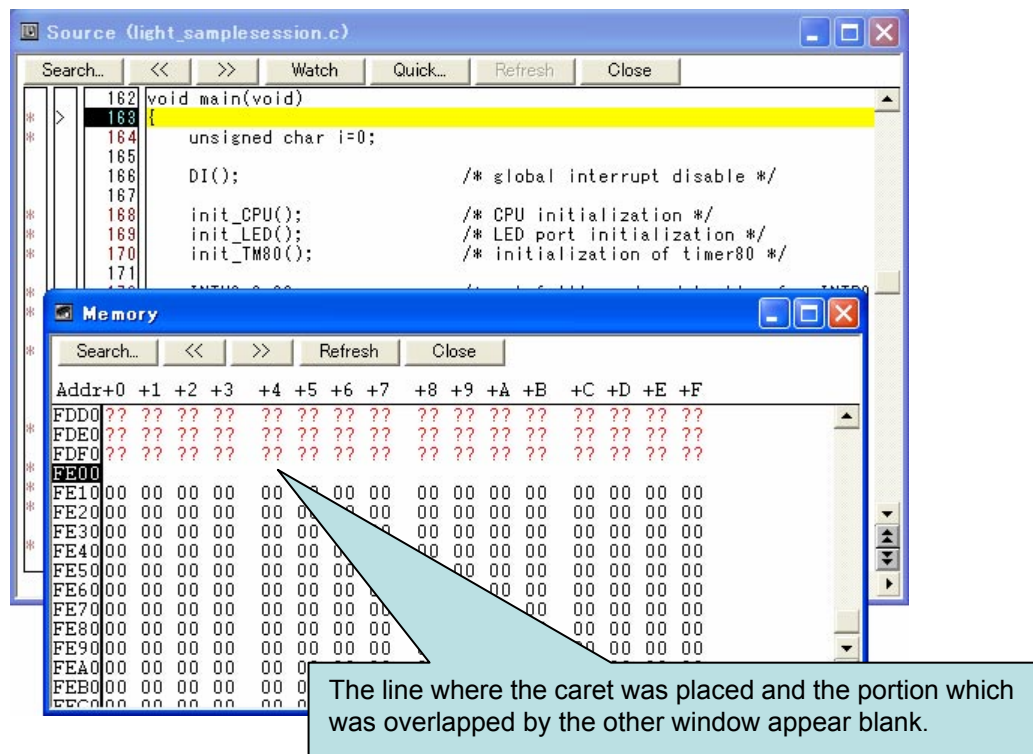
[Action]

Correction is under discussion.

No. 6 Bug in redraw <Common>

[Description]

When the Memory window is displayed in front of another window, if the window behind the Memory window is clicked to the front and then the Memory window is clicked to the front again, the line where the caret was placed and the portion which was overlapped by the other window appear blank in the Memory window.



[Workaround]

Click the [Refresh] button or click on the blanked line to restore the original display.

[Action]

Correction is under discussion.

No. 7 256-byte area can be used by user program <IECUBE, MINICUBE+>

[Description]

The RAM area up to 256 bytes can be used during user program execution even if the product's RAM area is 128-byte wide.

[Workaround]

There is no workaround. However, this operation can be detected using a break when the execution unexpectedly comes at an FE80H or lower address during stack operation, by setting an access break at address FE80H.

[Action]

Correction is under discussion.

No. 8 Restriction on [Come Here] execution <IECUBE, MINICUBE+>

[Description]

No break (temporary break) occurs even if [Come Here] is executed when a power-on clear or a target reset occurs during [Come Here] execution (during user program execution).

[Workaround]

There is no workaround.

[Action]

Correction is under discussion.

No. 9 Maskable interrupt operation is performed upon non-real-time execution <MINICUBE+>

[Description]

If a non-real-time execution (Step In, Next Over, or Slowmotion) is performed while a maskable interrupt is held pending, an interrupt operation is performed.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.82.

No. 10 Restriction on using pseudo real-time RAM monitor function (RRM function) <IECUBE, MINICUBE+>

[Description]

If multiple RRM addresses are set without making the lowest address that has been set to the RRM target to be viewed in the Watch window or Memory window, the other RRM-target addresses will not be updated.

For example, when 0xfe00 (_light_data), 0xfe10 (_idx), 0xfe62 (_@SEED), 0xfe72 (_@TOKPTR) and 0xfe98 (_@STEND) are set as the RRM target, and 0xfe00 (_light_data), the lowest address, is not registered in the Watch window, values of 0xfe10 (_idx), 0xfe62 (_@SEED), 0xfe72 (_@TOKPTR), and 0xfe98 (_@STEND) will not be updated even if these addresses are registered in the Watch window. If 0xfe00 is not displayed in the Memory window, the other RRM-target addresses will not be updated.

[Workaround]

Scroll the window to always view the lowest address that has been set to the RRM target in the Watch window or Memory window.

[Action]

Correction is under discussion.

No. 11 Mapping information cannot be cleared correctly using “map -clear” command <MINICUBE+>

[Description]

Mapping information cannot be cleared correctly using the “map -clear” command in the Console window.

[Workaround]

Clear the mapping information in the Configuration dialog box.

[Action]

This issue has been corrected in V2.90.

No. 12 Symbols with a *func#var* format cannot be converted into addresses <Common>

[Description]

- (1) Symbols with a *func#var* (*func*: Function name, *var*: Variable name) format cannot be converted into addresses in the Symbol To Address dialog box, if the conversion targets are variables.
- (2) If a static variable in a function is registered as a *func#var* format symbol (*func*: Function name, *var*: Variable name) in the Add Watch dialog box, the variable value cannot be displayed.

[Workaround]

Set such symbols using a method other than *func#var*, such as *var*, *file#var*, or *file#func#var* format). When there is a variable with the same name as a static variable in a function, set the variable when the program counter (PC) exists in that function.

[Action]

Correction is under discussion.

No. 13 When the view position is moved to the last address in the Memory window, an extra line is displayed <Common>

[Description]

When the view position is moved to the last address (0xFFFF0 to 0xFFFFF) using the “Move” menu in the Memory window, one extra line is displayed.

[Workaround]

There is no workaround.

[Action]

Correction is under discussion.

No. 14 Restriction related to operation in Assemble window <MINICUBE+, MINICUBE2>

[Description]

The insertion point can be placed at a position to which nothing can be input in the Assemble window, using arrow keys or Back Space key.

[Workaround]

There is no workaround.

[Action]

This issue is classified as a caution in V2.90 and later, and is excluded from ID78K0S-QB restrictions.

No. 15 Search operation fails in Assemble window <Common>

[Description]

Search may not be performed for the last 0x400 spaces of the range subject to search in the Assemble window. For example, if the range 0x1000 to 0x1FFF is searched for toward the down direction and a character string that matches the searched target exists in the range 0x1C00 to 0x1FFF, the search may fail. In the same manner, if the range 0x2000 to 0x2FFF is searched for toward the up direction, the search in the range 0x2000 to 0x23FF may fail.

[Workaround]

Add 0x400 spaces to the search target range.

To search a character string in the range 0x1000 to 0x1FFF toward the down direction, for example, specify 0x1000 to 0x23FF.

[Action]

Correction is under discussion.

No. 16 Refresh button appears dimmed in Watch window <MINICUBE+, MINICUBE2>

[Description]

If an item at the bottom in the Watch window is deleted, the Refresh button appears dimmed.

[Workaround]

Close the Watch window, and then open it again.

[Action]

This issue has been corrected in V 2.90.

No. 17 Restriction that applies when bits of the PSW are registered in Watch window <Common>

[Description]

If bits of the PSW (ie, z, rbs1, ac, rbs0, isp, or cy) are registered in the Watch window, the values will not be displayed correctly. If an attempt is made to change the value, the error message "A9004: Too large register size." will be displayed

[Workaround]

Check and change the value in the Register window.

[Action]

Correction is under discussion.

No. 18 Search extending over a search-prohibited area is impossible <Common>

[Description]

If an area for which searching is prohibited (non-map area, SFR area, or I/O protect area) is included in the search target specified in the Memory Search dialog box and Assemble Search dialog box, search is not performed for any area later than the area for which search is prohibited.

[Workaround]

There is no workaround.

[Action]

Correction is under discussion.

No. 19 Restriction on saving a file in Stack window <MINICUBE+, MINICUBE2>

[Description]

If the [Save As] command on the [File] menu is executed in the Stack window, the variables in the saved file may become “?”.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 20 Restriction on opening Debugger Option dialog box <MINICUBE+, MINICUBE2>

[Description]

When the [OK] button is clicked in the Debugger Option dialog box, the position of the toolbar reset to the default position.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 21 Restriction on switching Active/Static mode in Source window or Assemble window <MINICUBE+, MINICUBE2>

[Description]

If Active and Static modes are switched in the Source window or Assemble window during program execution, the error message “F7001: User program is running.” may be displayed.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 22 Restriction on displaying a bit symbol of assembler source in Watch window <MINICUBE+, MINICUBE2>

[Description]

If a bit symbol in the assembler source is registered in the Watch window, the value becomes “?”.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 23 Restriction on displaying a character string in Watch window <MINICUBE+, MINICUBE2>

[Description]

If a character string is displayed in the Watch window, the character string may be garbled.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 24 Drive name disappears when setting a source path <MINICUBE+, MINICUBE2>

[Description]

If a new source path is set in the Debugger Option dialog box, the drive name may disappear.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 25 Restriction on newly added path when setting a source path <MINICUBE+, MINICUBE2>

[Description]

A path name newly added in the Debugger Option dialog box may be appended at the end of an existing path name. At that time, if the new path is saved in the project file, the illegal path name is saved. Consequently, the error message "Fc001: Can not open file." is displayed when the project is opened the next time and the source path text box may be blank.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 26 Restriction on saving and loading a project file <MINICUBE+, MINICUBE2>

[Description]

The speed of saving or loading a project file may extremely be degraded if on-access scan of McAfee VirusScan 7.1 or later is enabled.

[Workaround]

Exclude the ".PRI" file from scanning target of McAfee VirusScan.

[Action]

This issue has been corrected in V2.90.

No. 27 Mixed view in the Source window is not displayed correctly during user program execution
<Common>

[Description]

If the Source window view is switched to the mixed display mode during user program execution, correct values are not displayed in the disassemble view.

[Workaround]

There is no workaround.

[Action]

Correction is under discussion.

No. 28 Restriction on translating symbol names into addresses <Common>

[Description]

If functions and variables are defined with similar names identified just by underscore appended at the top of the name, these symbol names are not translated into addresses normally. If “_reset” is translated into an address, for example, the result is the address of “__reset”. That is, the translation result is the same as that of the symbol with two underscores.

[Workaround]

Avoid using similar symbol names.

[Action]

Correction is under discussion.

No. 29 Restriction on display of Watch window <MINICUBE+, MINICUBE2>

[Description]

If too many symbols are registered and symbols are displayed in the Watch window, the display speed may be degraded.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 30 PSW flags are not assembled normally <MINICUBE+, MINICUBE2>

[Description]

The PSW flags are converted as follows.

Input Code	Output Code
SET1 IE	0A761E
SET1 Z	0A661E
SET1 AC	0A461E
CLR1 IE	0AF61E
CLR1 Z	0AE61E
CLR1 AC	0AC61E

[Workaround]

Re-input the assembler instructions as follows.

Re-Input Code	Output Code
SET1 PSW.7H or EI	0A7A1E
SET1 PSW.6H	0A6A1E
SET1 PSW.4H	0A4A1E
CLR1 PSW.7H or DI	0AFA1E
CLR1 PSW.6H	0AEA1E
CLR1 PSW.4H	0ACA1E

[Action]

This issue has been corrected in V2.90.

No. 31 Restriction on pasting values onto clipboard <Common>

[Description]

Values on the clipboard will not be written to registers such as the Watch window, Register window or SFR window as a result of copy/cut and paste, even if the ENTER key is pressed once.

[Workaround]

To complete pasting of values in these registers, press the ENTER key twice.

[Action]

Correction is under discussion.

No. 32 The host machine displays the Blue Screen of Death or causes an illegal operation while the Hyper-Threading function is on <MINICUBE+>

[Description]

The host machine may display the Blue Screen of Death or cause an illegal operation while the Hyper-Threading function, a function of Pentium 4, is on.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.82.

No. 33 A buffer overflow occurs in the Watch window <MINICUBE+>

[Description]

A buffer overflow may occur if a four-dimensional array is registered in the Watch window.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.82.

No. 34 The debugger hangs if a file name/function name list is acquired for a load module without debug information <MINICUBE+>

[Description]

The debugger may hang if a file name/function name list is acquired for a load module without debug information in the Watch window, Event Manager, or Console window.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.82.

No. 35 An application error may occur <MINICUBE+>

[Description]

The following conditions that cause an application error have been corrected.

<1> The DOWN ARROW key is pressed while editing data in the Register window.

<2> At debugger termination

<3> A project file for which a path that consists of 1,024 or more characters is specified is created with PM+ and then the project file is overwritten by the debugger, or the Debugger Option dialog box is opened.

<4> The view point is moved to the last address in the Main window and then the user program is executed.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.82.

No. 36 Restriction on RRM setting <MINICUBE2>

[Description]

If "RRM Setting..." is selected from the context menu in the Memory window, the RRM dialog box will appear. Even if values are set in the RRM dialog box, they are not reflected to the Memory window and Watch window because MINICUBE2 does not have the pseudo real-time RAM monitor function (RRM function).

[Workaround]

There is no workaround.

[Action]

This issue will be corrected in V3.00.

No. 37 The stack data may be damaged <MINICUBE2>

[Description]

The stack data may be damaged if an instruction that involves stack manipulation is executed step-wise and then followed by real-time execution.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 38 The debugger does not operate with an external high- or low-speed clock <MINICUBE2>

[Description]

The debugger may not operate with an external high-speed clock (such as 10 MHz) or low-speed clock (such as 1 MHz).

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 39 The debugger hangs up if the clock is stopped while the internal high-speed oscillation clock is not used <MINICUBE2>

[Description]

The debugger may hang up if the clock is stopped while the internal high-speed oscillation clock is not used.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 40 A monitor timeout error occurs upon CPU reset <MINICUBE2>

[Description]

A monitor timeout error may occur if the CPU is reset with interrupt INTP3 (or INTP1) disabled in the user program.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 41 The debugger hangs up during emulation of flash memory self-programming <MINICUBE2>

[Description]

The debugger may hang up if programming to the internal flash memory or a manipulation that involves setting/releasing of a software breakpoint is performed from the debugger after execution of flash memory self-programming.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 42 No monitor programs can be downloaded to the 78K0S/KU1+ <MINICUBE2>

[Description]

No monitor programs can be downloaded to the 78K0S/KU1+ resulting in the following error.

A01a0: No response from the emulation CPU. Please confirm the signal of the CLOCK or RESET and so on.

[Workaround]

There is no workaround.

[Action]

This issue has been corrected in V2.90.

No. 43 No breakpoints can be set <MINICUBE+, MINICUBE2>

[Description]

If an attempt is made to set a breakpoint at an address whose nearest symbol is EQU, the breakpoint cannot be set.

Example:

```
MAX EQU 100H

func()

0FEH {                               Breakpoint can be set
100H   ...                           Breakpoint cannot be set
102H   ...                           Breakpoint cannot be set
104H }
```

In this example, the nearest symbol to addresses 100H to 104H is not *func* but MAX (EQU symbol), so the breakpoint cannot be set to these addresses.

[Workaround]

There is no workaround.

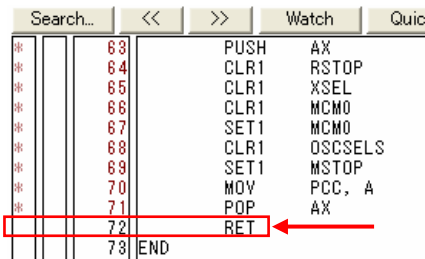
[Action]

This issue has been corrected in V2.90.

No. 44 Line information is not output if the last instruction in a file is a 1-byte instruction <Common>

[Description]

If the instruction placed at the end of a source file is a 1-byte instruction such as RET, as shown below, an asterisk (program code) is not displayed in the instruction line. Consequently, events such as a breakpoint cannot be set to the line, or stepwise execution cannot be performed.



[Workaround]

Set events such as a breakpoint in the Assemble window and perform stepwise execution.

[Action]

This issue will be corrected in V3.00.

No. 45 Restrictions on adding SFRs to Add I/O Port dialog box <Common>

[Description]

The following restrictions apply when registering SFRs in the Add I/O Port dialog box (dialog box used when an SFR name is redefined with another name in a C source).

- (1) If a R/W-attribute SFR is registered as a W-attribute register with another name, the SFR is registered in the Add Watch window and its value is changed in the Watch window, values displayed in the SFR window are not updated.
- (2) If an SFR that satisfies the following two conditions is registered, registration is possible but an error occurs when an attempt is made to display the registered SFR by using the [Move] command of the context menu (right-click menu) in the SFR window (move fails).
 - The name of the SFR to be registered is used for a general-purpose register
 - The address to be registered is the same as that of an SFR area (different from the address of the general-purpose register.)

[Workaround]

- (1) When changing values in the Watch window, input the value two or more times, or change the values in the SFR window.
- (2) There is no workaround.

[Action]

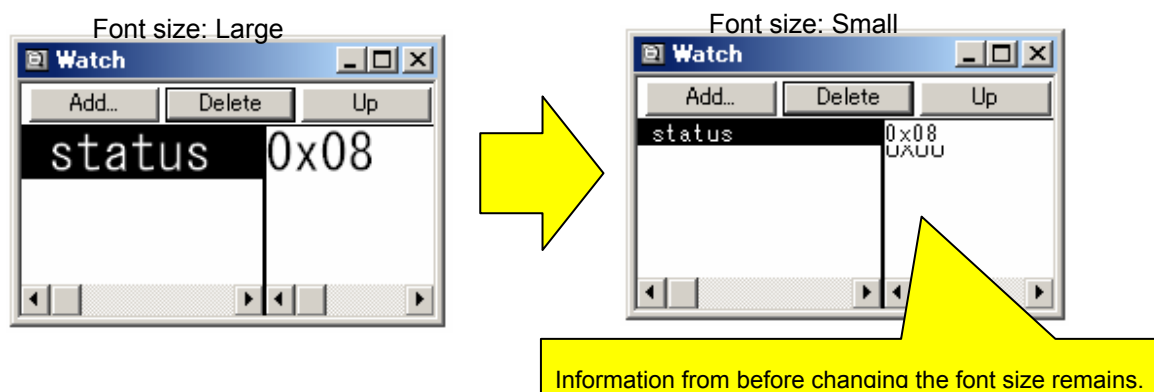
Correction is under discussion.

No. 46 Restriction on changing font size <Common>

[Description]

The font size in the Watch window and Local Variable window can be specified in the [Font] area in the Debugger Option dialog box, which is opened by selecting the [Option] menu → [Debugger Option...], but if the font size is reduced, information from before changing the font size remains in the window.

Example of Watch window:



[Workaround]

When such a case occurs, minimize the window once and then restore the window size, or close the window once and then open it again.

[Action]

Correction is under discussion.

No. 47 Restrictions on setting access breaks <Common>

[Description]

- (1) A variable other than global cannot be specified for an access break in the Watch window.
- (2) A variable other than global cannot be specified for an access break in the Source window.

[Workaround]

To set an access break to a static variable in a function, perform the setting in the Event dialog box while the current PC line is in that function. To set an access break to a static variable in a file, perform the setting in the Event dialog box while the current PC line is in that file.

[Action]

Correction is under discussion.

No. 48 Restrictions on Watch window <Common>

[Description]

- (1) If a general-purpose register is registered in the Watch window, the displayed data digit may be incorrect. For example, instead of the values of the PC register being displayed with five digits, they are displayed with four.
- (2) If the item at the bottom of the list is deleted in the Watch window, the [Refresh] button appears dimmed and is no longer available. In such a case, close the Watch window and then open it again.

[Workaround]

- (1) To reference the general-purpose register values, use the Register window.
- (2) Close the Watch window and then open it again.

[Action]

Correction is under discussion.