

License Manager V2.10.00 (for macOS)

User's Manual

Target Device
RL78 Family
RX Family
RH850 Family

All information contained in these materials, including products and product specifications, represents information on the product at the time of publication and is subject to change by Renesas Electronics Corp. without notice. Please review the latest information published by Renesas Electronics Corp. through various means, including the Renesas Electronics Corp. website (<http://www.renesas.com>).

Notice

1. Descriptions of circuits, software and other related information in this document are provided only to illustrate the operation of semiconductor products and application examples. You are fully responsible for the incorporation or any other use of the circuits, software, and information in the design of your product or system. Renesas Electronics disclaims any and all liability for any losses and damages incurred by you or third parties arising from the use of these circuits, software, or information.
2. Renesas Electronics hereby expressly disclaims any warranties against and liability for infringement or any other claims involving patents, copyrights, or other intellectual property rights of third parties, by or arising from the use of Renesas Electronics products or technical information described in this document, including but not limited to, the product data, drawings, charts, programs, algorithms, and application examples.
3. No license, express, implied or otherwise, is granted hereby under any patents, copyrights or other intellectual property rights of Renesas Electronics or others.
4. You shall be responsible for determining what licenses are required from any third parties, and obtaining such licenses for the lawful import, export, manufacture, sales, utilization, distribution or other disposal of any products incorporating Renesas Electronics products, if required.
5. You shall not alter, modify, copy, or reverse engineer any Renesas Electronics product, whether in whole or in part. Renesas Electronics disclaims any and all liability for any losses or damages incurred by you or third parties arising from such alteration, modification, copying or reverse engineering.
6. Renesas Electronics products are classified according to the following two quality grades: "Standard" and "High Quality". The intended applications for each Renesas Electronics product depends on the product's quality grade, as indicated below.
 - "Standard": Computers; office equipment; communications equipment; test and measurement equipment; audio and visual equipment; home electronic appliances; machine tools; personal electronic equipment; industrial robots; etc.
 - "High Quality": Transportation equipment (automobiles, trains, ships, etc.); traffic control (traffic lights); large-scale communication equipment; key financial terminal systems; safety control equipment; etc.

Unless expressly designated as a high reliability product or a product for harsh environments in a Renesas Electronics data sheet or other Renesas Electronics document, Renesas Electronics products are not intended or authorized for use in products or systems that may pose a direct threat to human life or bodily injury (artificial life support devices or systems; surgical implantations; etc.), or may cause serious property damage (space system; undersea repeaters; nuclear power control systems; aircraft control systems; key plant systems; military equipment; etc.). Renesas Electronics disclaims any and all liability for any damages or losses incurred by you or any third parties arising from the use of any Renesas Electronics product that is inconsistent with any Renesas Electronics data sheet, user's manual or other Renesas Electronics document.

7. No semiconductor product is absolutely secure. Notwithstanding any security measures or features that may be implemented in Renesas Electronics hardware or software products, Renesas Electronics shall have absolutely no liability arising out of any vulnerability or security breach, including but not limited to any unauthorized access to or use of a Renesas Electronics product or a system that uses a Renesas Electronics product. **RENESAS ELECTRONICS DOES NOT WARRANT OR GUARANTEE THAT RENESAS ELECTRONICS PRODUCTS, OR ANY SYSTEMS CREATED USING RENESAS ELECTRONICS PRODUCTS WILL BE INVULNERABLE OR FREE FROM CORRUPTION, ATTACK, VIRUSES, INTERFERENCE, HACKING, DATA LOSS OR THEFT, OR OTHER SECURITY INTRUSION ("Vulnerability Issues"). RENESAS ELECTRONICS DISCLAIMS ANY AND ALL RESPONSIBILITY OR LIABILITY ARISING FROM OR RELATED TO ANY VULNERABILITY ISSUES. FURTHERMORE, TO THE EXTENT PERMITTED BY APPLICABLE LAW, RENESAS ELECTRONICS DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT AND ANY RELATED OR ACCOMPANYING SOFTWARE OR HARDWARE, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE.**
8. When using Renesas Electronics products, refer to the latest product information (data sheets, user's manuals, application notes, "General Notes for Handling and Using Semiconductor Devices" in the reliability handbook, etc.), and ensure that usage conditions are within the ranges specified by Renesas Electronics with respect to maximum ratings, operating power supply voltage range, heat dissipation characteristics, installation, etc. Renesas Electronics disclaims any and all liability for any malfunctions, failure or accident arising out of the use of Renesas Electronics products outside of such specified ranges.
9. Although Renesas Electronics endeavors to improve the quality and reliability of Renesas Electronics products, semiconductor products have specific characteristics, such as the occurrence of failure at a certain rate and malfunctions under certain use conditions. Unless designated as a high reliability product or a product for harsh environments in a Renesas Electronics data sheet or other Renesas Electronics document, Renesas Electronics products are not subject to radiation resistance design. You are responsible for implementing safety measures to guard against the possibility of bodily injury, injury or damage caused by fire, and/or danger to the public in the event of a failure or malfunction of Renesas Electronics products, such as safety design for hardware and software, including but not limited to redundancy, fire control and malfunction prevention, appropriate treatment for aging degradation or any other appropriate measures. Because the evaluation of microcomputer software alone is very difficult and impractical, you are responsible for evaluating the safety of the final products or systems manufactured by you.
10. Please contact a Renesas Electronics sales office for details as to environmental matters such as the environmental compatibility of each Renesas Electronics product. You are responsible for carefully and sufficiently investigating applicable laws and regulations that regulate the inclusion or use of controlled substances, including without limitation, the EU RoHS Directive, and using Renesas Electronics products in compliance with all these applicable laws and regulations. Renesas Electronics disclaims any and all liability for damages or losses occurring as a result of your noncompliance with applicable laws and regulations.
11. Renesas Electronics products and technologies shall not be used for or incorporated into any products or systems whose manufacture, use, or sale is prohibited under any applicable domestic or foreign laws or regulations. You shall comply with any applicable export control laws and regulations promulgated and administered by the governments of any countries asserting jurisdiction over the parties or transactions.
12. It is the responsibility of the buyer or distributor of Renesas Electronics products, or any other party who distributes, disposes of, or otherwise sells or transfers the product to a third party, to notify such third party in advance of the contents and conditions set forth in this document.
13. This document shall not be reprinted, reproduced or duplicated in any form, in whole or in part, without prior written consent of Renesas Electronics.
14. Please contact a Renesas Electronics sales office if you have any questions regarding the information contained in this document or Renesas Electronics products.

(Note1) "Renesas Electronics" as used in this document means Renesas Electronics Corporation and also includes its directly or indirectly controlled subsidiaries.

(Note2) "Renesas Electronics product(s)" means any product developed or manufactured by or for Renesas Electronics.

(Rev.5.0-1 October 2020)

Corporate Headquarters

TOYOSU FORESIA, 3-2-24 Toyosu,
Koto-ku, Tokyo 135-0061, Japan

www.renesas.com

Trademarks

Renesas and the Renesas logo are trademarks of Renesas Electronics Corporation. All trademarks and registered trademarks are the property of their respective owners.

Contact information

For further information on a product, technology, the most up-to-date version of a document, or your nearest sales office, please visit: www.renesas.com/contact/.

How to Use This Manual

This manual describes the license management for developing applications and systems for RL78 family, RX family, and RH850 family, and provides an outline of its features.

Readers	This manual is intended for users who develop application systems using the Renesas Electronics development environment.												
Purpose	This manual is intended to help users understand the license management functions and to serve as a reference for software development using the Renesas Electronics development environment.												
Organization	This manual can be broadly divided into the following units. <ol style="list-style-type: none">1. GENERAL2. FUNCTIONS3. MESSAGE												
How to Read This Manual	It is assumed that the readers of this manual have general knowledge of electricity, logic circuits, and microcontrollers.												
Conventions	<table><tr><td>Data significance:</td><td>Higher digits on the left and lower digits on the right</td></tr><tr><td>Active low representation:</td><td>XXX (overscore over pin or signal name)</td></tr><tr><td>Note:</td><td>Footnote for item marked with Note in the text</td></tr><tr><td>Caution:</td><td>Information requiring particular attention</td></tr><tr><td>Remarks:</td><td>Supplementary information</td></tr><tr><td>Numeric representation:</td><td>Decimal ... XXXX Hexadecimal ... 0xXXXX</td></tr></table>	Data significance:	Higher digits on the left and lower digits on the right	Active low representation:	XXX (overscore over pin or signal name)	Note:	Footnote for item marked with Note in the text	Caution:	Information requiring particular attention	Remarks:	Supplementary information	Numeric representation:	Decimal ... XXXX Hexadecimal ... 0xXXXX
Data significance:	Higher digits on the left and lower digits on the right												
Active low representation:	XXX (overscore over pin or signal name)												
Note:	Footnote for item marked with Note in the text												
Caution:	Information requiring particular attention												
Remarks:	Supplementary information												
Numeric representation:	Decimal ... XXXX Hexadecimal ... 0xXXXX												

Table of Contents

1. GENERAL	5
1.1 Introduction	5
1.2 Operating Environment.....	8
1.2.1 Supported Licenses	9
1.2.2 Upgrade (edition) License	9
2. FUNCTIONS.....	10
2.1 Installing License Manager	10
2.2 Uninstalling License Manager.....	10
2.3 Using License Manager	10
2.3.1 Option.....	10
2.3.2 Exit Status	14
2.3.3 Confirming the states of the licenses	14
2.3.4 Confirming information on the expiration of annual license	14
2.3.5 Add a node locked license	14
2.3.6 Delete a node locked license	15
2.3.7 Setting up the floating license	15
2.3.8 Acquiring a floating license	16
2.3.9 Acquiring a floating license in offline mode.....	16
2.3.10 Ending use of a floating license in offline mode.....	17
2.3.11 Indicating mismatches between versions registered with the license manager and floating license server	17
2.3.12 Record usage in log files.....	17
3. MESSAGES	19
3.1 Message Types.....	19
3.2 Internal Errors	19
3.3 Fatal Errors	20
3.4 Information	24
3.5 Warning.....	25

1.GENERAL

This manual describes how to manage the license for the development environments in developing applications and systems for microcontrollers.

It also describes how to manage floating licenses on the client side. For managing floating licenses on the server side, refer to the Floating License Server User's Manual for Windows or Linux/macOS.

1.1 Introduction

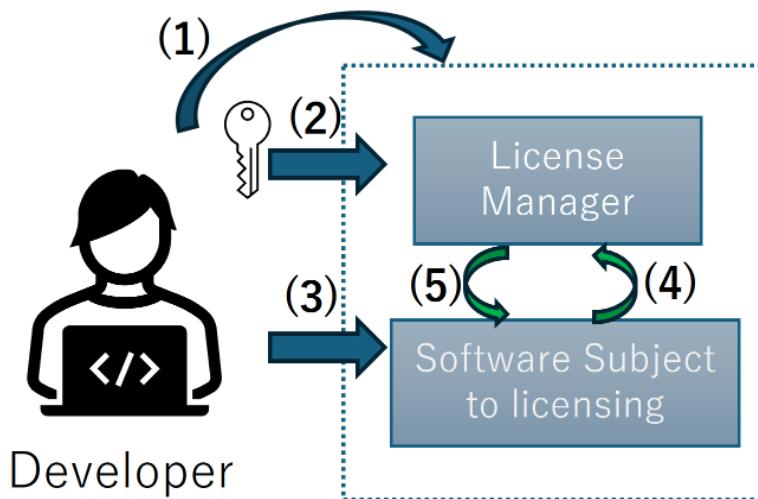
The license manager for macOS provides facilities for managing node-locked licenses and floating licenses which are for use with the following tools from Renesas Electronics

- C Compiler Package for RL78 Family [CC-RL]

If you are using those tools in an integrated development environment, such as e² studio from Renesas Electronics, you can manage the licenses through the license manager.

A node-locked license is a form of license where the license manager on a client manages the software license. If a license key is registered, functionality corresponding to the license is available, e.g. the manager eliminates restrictions on the amount of code for which linkage is possible on that client.

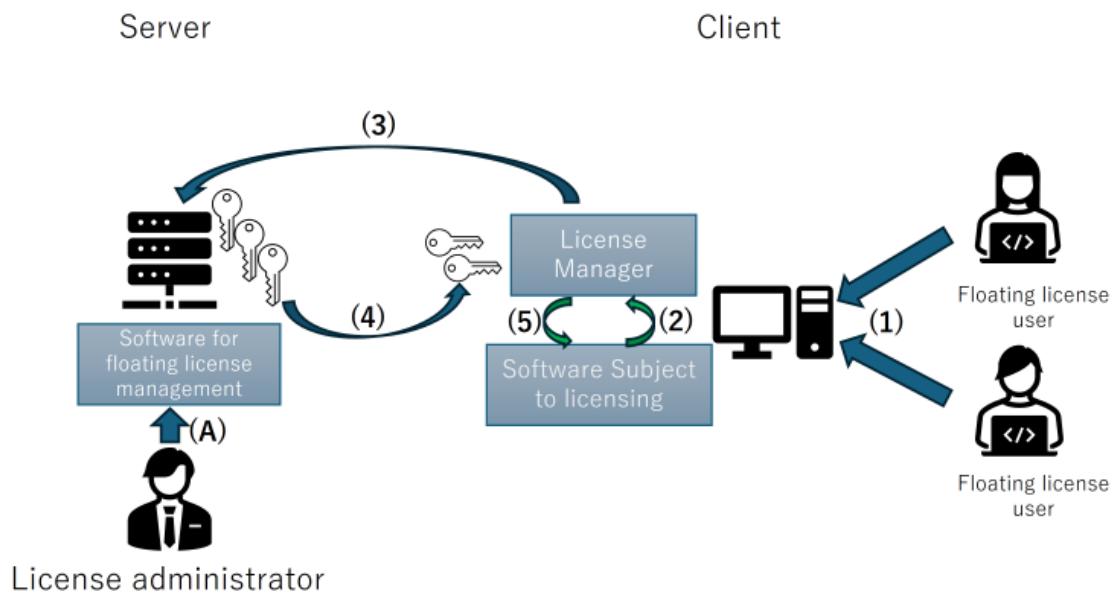
Figure 1.1 System Structure for Node-Locked Licenses



- (1) Install a development tool.
- (2) Register a license key.
- (3) Launch the development tool.
- (4) Confirm the license.
- (5) A license is available or not available.

Floating licensing is a licensing approach in which a limited number of licenses for software used by multiple users are managed by a single computer (server) and the users of any computers (clients) connected to the network can use the software within the limit of the number of licenses. With a floating license, each user can acquire a license.

Figure 1.2 System Structure for Floating Licenses

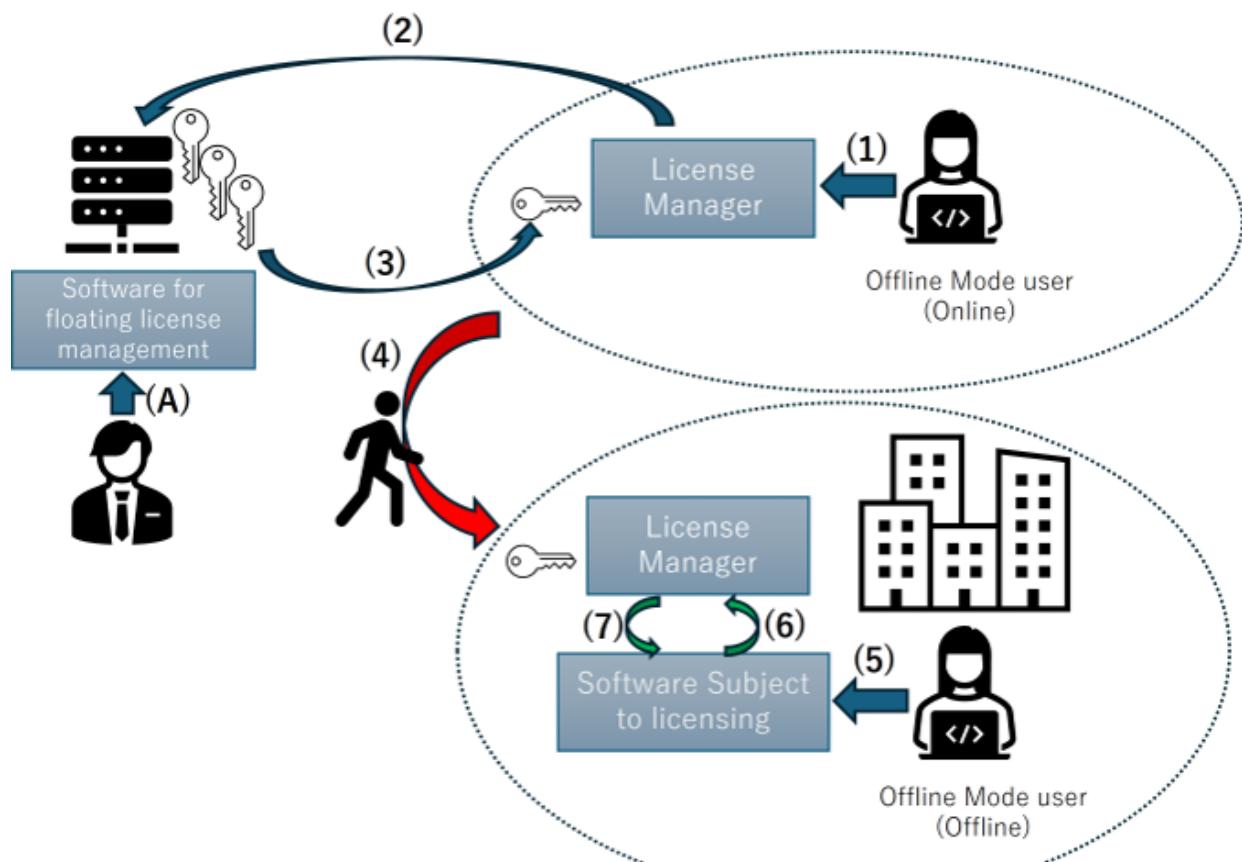


- (A) A license key is added.
- (1) Launch the development tool covered by the license.
- (2) Confirm the license.
- (3) Request for the floating license.
- (4) The floating license is granted.
- (5) A license is available.

A floating license cannot be used unless the computer is connected to the server.

Offline mode is a mechanism that occupies the license for a certain period to use the license in a state after disconnection from the network environment.

Figure 1.3 System Structure for Floating Licenses (Offline Mode)



- (A) A license key is added.
- (1) The floating license (offline mode) is acquired.
- (2) Request for the floating license (offline mode).
- (3) The floating license (offline mode) is granted.
- (4) Take out the license.
- (5) Launch the tool.
- (6) Request for the license.
- (7) Confirm the license.

Both node-locked and floating licenses are available as permanent licenses which place no limit on the period of validity, and as annual licenses which are valid for one year. The valid period is one year from initial registration with MyRenesas on the Renesas Web site of the license acquisition code which accompanies the compiler product. Once the period of an annual license has expired, the development tool covered by the license cannot be used.

1.2 Operating Environment

A license manager V2.10.00 operates in the following environment.

- OS
 - macOS 14 Sonoma
 - macOS 15 Sequoia
- Hardware
 - System: 1.8 GHz or faster 64-bit processor. Dual-core or better recommended. Apple Silicon (arm64) processors are only supported.
 - Memory capacity: 4 GB of RAM; 8 GB of RAM recommended.
 - Capacity of hard disk: At least 2 GB of free space.
- Development environment
 - Node Locked License/ Floating License (permanent and annual)
 - CC-RL V1.16.00 (macOS) or later
- Floating License Server
 - You can also use the floating license server for the OS (Linux, macOS, or Windows), which differs from the license manager.
 - V2.08.00 (Linux) or later
 - V2.10.00 (macOS) or later
 - V2.08.00 (Windows) or later

1.2.1 Supported Licenses

The following licenses are supported.

Table 1-1 Supported License

License	Compiler V1 for RL78 (CC-RL)
Standard edition Node Locked License (permanent)	•
Standard edition Node Locked License (annual)	•
Standard edition Floating License (permanent)	•
Standard edition Floating License (annual)	•
Professional edition Node Locked License (permanent)	•
Professional edition Node Locked License (annual)	•
Professional edition Floating License (permanent)	•
Professional edition Floating License (annual)	•
Upgrade (edition) Node Locked License (permanent)	Standard -> Professional

1.2.2 Upgrade (edition) License

A Standard edition node-locked license (permanent) can be upgraded to a Professional edition node-locked license (permanent).

Table 1-2 Upgrade (edition) License

	Source of the Upgrade	Upgrade (edition)	Destination of the Upgrade
	Standard edition Node Locked License (permanent)	Upgrade (edition) Node Locked License (permanent)	Professional edition Node Locked License (permanent)
Example	Compiler V1 for RL78 (CC-RL) Standard edition Node Locked License (permanent)	V1 Upgrade (edition) Node Locked License (permanent)	Compiler V1 for RL78 (CC-RL) Professional edition Node Locked License (permanent)

Remarks: An annual or floating license cannot be specified as the source of the upgrade.

2.FUNCTIONS

2.1 Installing License Manager

Specify the installer file name and enter the following in the terminal.

```
% sudo installer -pkg license-manager_2.10.00_osx-arm64.pkg -target /
```

The installation location is as follows.

```
/usr/local/renesas-mcutools/
```

Caution:

1. When 'sudo' is attached to the file name, you must enter the password for the current user.
2. When 'sudo' is attached to the file name, you must specify the full path to the command because the PATH environment variable is fixed by default.

You can launch Terminal in the following ways:

1. Press Command+Space to launch Spotlight Search.
2. Type "Terminal."
3. Select "Terminal" from the search results.

2.2 Uninstalling License Manager

Enter the following in the terminal.

```
% sudo pkgutil --forget com.renesas.license-manager
```

```
% sudo /usr/local/renesas-mcutools/bin/uninstall.sh
```

If you uninstall, the following warning will be displayed because the license manager configuration file exists in the installation directory.

"not empty: /usr/share/renesas-mcutools-license"

If you reinstall it, you will be able to use it with the same settings, so there is no need to delete it. If you want to delete all directories and files, delete the following directories after uninstallation.

```
/usr/local/share/renesas-mcutools-license
```

```
/var/local/renesas-mcutools-license
```

```
~/.renesas/mcutools-license
```

2.3 Using License Manager

This section explains how to use the installed license manager. Enter the following in the terminal.

```
$ /usr/local/renesas-mcutools/bin/license-manager [OPTION]...
```

2.3.1 Option

Multiple options other than conflicting ones (e.g. --enable-* at the same time as --disable-*) can be simultaneously specified. The same options are handled in the order in which they are specified.

Table 2-1 Option

Category	Short Option	Long Option	Arguments	Description
Display licenses	-l	--list		Display a list of valid registered licenses.
		--check-expiration		--check-expiration is specified together with the --list option and displays the expiration date of the term of the license (annual).
Node locked license		--add <license key>		Add a node locked license.
		--delete <license key>		Delete a node locked license.
Floating license server settings		--enable-server-setting [<address> [<port>]]		Enable addressed floating license server settings.
			<address>	Specify address of server. If omitted, the value set is used.
			<port>	Specify port number of server. If omitted, the value set is used. The initial value is 6723.
		--disable-server-setting		Disable the floating license server settings.
	-s	--server-info		Display floating license server settings information.
Offline mode <small>Note</small>	-f	--list-for-offline-mode		Display floating licenses for offline mode.
		--get-offline-mode <kind> [<period>]		Acquiring a floating license for use in offline mode.
			<kind>	<kind> is a kind indicated in --list-for-offline-mode.
			<period>	<period> is period(1-99)(unit: days) of use in offline mode. default is 3.

Category	Short Option	Long Option	Arguments	Description
			<period>	<period> is period(1-99)(unit: days) of use in offline mode. default is 3.
	-i	--list-in-offline-mode		Display floating licenses in offline mode.
		--release-offline-mode <kind>		Ending use of the floating license in offline mode.
			<kind>	<kind> is a kind indicated in --list-in-offline-mode.
Logging status of use		--enable-logging <size> [<detail> [<directory>]]]		The status of usage of the licenses are recorded in a log file.
			<size>	Specifies the maximum size 10-9999 (unit: MB).
			<detail>	Details of the internal operation of the programs are also recorded if true, only the requests from clients and the responses are recorded if false. If omitted, the set value will be used. The initial value is false.
			<directory>	Specifies the path for the directory in which the log files are to be saved. The initial values are as follows. ~/renesas/mcutools-license/LicenseInfo/Log
				--disable-logging
				Usage is not recorded in the log file.
	-g	--logging-info		Display logging information.
Other	-h	--help		Display usage information.
	-v	--version		Display version.
		--lang <culture>		Display in the specified culture.

Category	Short Option	Long Option	Arguments	Description
			<culture>	Specify ja-JP for Japanese and en-US for English.

Note: Floating license server setting must be enabled.

2.3.2 Exit Status

Normal exit is 0, and abnormal exit is 1.

2.3.3 Confirming the states of the licenses

You can confirm the states of the licenses by using the --list option.

Example of valid license displays

```
$ /usr/local/renesas-mcutools/bin/license-manager --list
License Type : Compiler Standard V1 for RL78 (CC-RL) Node Locked License (permanent)
  License Key : XXXXX-XXXXX-XXXXX-XXXXX-XXXXX
  Serial Number : 0x00000000
$
```

2.3.4 Confirming information on the expiration of annual license

You can confirm information on the expiration of annual licenses by specifying the --list and --check-expiration options.

Checking the expiration date of a term license Example

```
$ /usr/local/renesas-mcutools/bin/license-manager --check-expiration --list
License Type : Compiler Standard V1 for RL78 (CC-RL) Node Locked License (annual)
  License Key : XXXXX-XXXXX-XXXXX-XXXXX-XXXXX
  Serial Number : 0x00000000  Expiration Date : YYYY/MM/DD hh:mm:ss

Notification of license expiration date
M0175021:Expiration date of Node Locked License (annual) is reached. Following node locked
license registered on this client,
Compiler Standard V1 for RL78 (CC-RL) is no longer available because it is out of
date (YYYY/MM/DD hh:mm:ss).
$
```

2.3.5 Add a node locked license

You can add a node-locked license by using the --add option and then confirm addition of the license with the --list option.

Add a Node Locked License Example

```
$ /usr/local/renesas-mcutools/bin/license-manager --add XXXXX-XXXXX-XXXXX-XXXXX-XXXXX
```

Caution: To register an Upgrade (version) Node Locked License (permanent), a Node Locked License (permanent) must have been registered as the source of the upgrade. Start by adding the Node Locked License (permanent) to the license manager or add the Upgrade (version) License and Node Locked License (permanent) at the same time.

2.3.6 Delete a node locked license

You can delete a node-locked license by using the --delete option. After that, the deleted license will not be displayed if the --list option is specified.

Deleting a Node Locked License Example

```
$ /usr/local/renesas-mcutools/bin/license-manager --delete XXXXX-XXXXX-XXXXX-XXXXX-XXXXX
$
```

Caution: While an Upgrade (version) Node Locked License (permanent) is registered, the Node Locked License (permanent) that is the source of the upgrade cannot be deleted. Start by deleting the Upgrade (version) Node Locked License (permanent).

2.3.7 Setting up the floating license

The initial settings are required to use a floating license.

Caution: Set up the client after the server settings was finished.
If the server is changed due to a breakdown or simply moving to a different server, re-setting the server is required. After the settings have been changed, all the existing floating licenses will become invalid.
Initial settings of the client are required per individual user.

Specify the server by using the --enable-server-setting option to specify and validate the server address. If the port number has been changed from the default one, also specify the port number.

Example of enabling by specifying a server

```
$ /usr/local/renesas-mcutools/bin/license-manager --enable-server-setting xxx.xxx.xxx.xxx
$
```

Example of a failed setting

```
$ /usr/local/renesas-mcutools/bin/license-manager --enable-server-setting xxx.xxx.xxx.xxx
E0172011: Failed to receive response from license server.
One or more errors occurred. (Connection refused (xxx.xxx.xxx.xxx:pppp))
$
```

The server address is only validated when a successful connection to the server is made. You can confirm the current settings by using the --server-info option.

Example of a succeeded setting

```
$ /usr/local/renesas-mcutools/bin/license-manager --server-info Floating License Server
Status: Enabled
```

```
Address: XXX.XXX.XXX.XXX
Port: XXXX
$
```

2.3.8 Acquiring a floating license

You don't need to take a particular action to acquire a floating license.

Starting the software subject to licensing automatically acquires a floating license. The term of validity is 30 minutes from the time that the license is acquired.

The license will be returned automatically when the term of validity expires. If the license will be required, the software subject to licensing automatically acquires a floating license again.

2.3.9 Acquiring a floating license in offline mode

A floating license cannot be used unless the computer is connected to the server. Offline mode is a mechanism that occupies the license for a certain period in order to use the license in a state disconnected from the network environment.

Using the --list-for-offline-mode option displays candidates in offline mode.

Example of displaying candidates in offline mode

```
$ /usr/local/renesas-mcutools/bin/license-manager --list-for-offline-mode Get floating
license (offline mode) from XXX.XXX.XXX.XXX
      kind name (Using: floating/offline/all)
-----
CC-RL1 Compiler Standard V1 for RL78 (CC-RL) (0/0/2)
$
```

When you have set the disclosure of the states of the licenses in use on the floating server, the states are displayed in the following format:

The number of floating licenses in use / the number of floating licenses in use in offline mode / the total number of valid licenses

The total number of valid licenses does not include expired floating licenses (annual).

For the settings to select disclosure of the states of the licenses in use on the floating license server, refer to the Floating License Server User's Manual for Windows or Linux/macOS.

Caution: Disclosure of the states of the licenses in use on the floating license server is available with floating license server V2.09.00 or a later version.

When you specify the "kind" displayed by --list-for-offline-mode with the argument of the --get-offline-mode option, you can acquire the offline mode.

Example of obtaining offline mode

```
$ /usr/local/renesas-mcutools/bin/license-manager --get-offline-mode "CC-RL1"
$
```

2.3.10 Ending use of a floating license in offline mode

Using the --list-in-offline-mode option displays the licenses in use in offline mode.

Display of offline mode in use

```
$ /usr/local/renesas-mcutools/bin/license-manager --list-in-offline-mode
License Type : Compiler Standard V1 for RL78 (CC-RL) Floating License (Offline Mode)
Expiration Date : YYYY/MM/DD hh:mm:ss Kind : CC-RL1
$
```

Specifying “kind” displayed with --list-in-offline-mode as the argument of --release-offline-mode ends offline mode.

Example of ending offline mode

```
$ /usr/local/renesas-mcutools/bin/license-manager --release-offline-mode "CC-RL1"
$
```

2.3.11 Indicating mismatches between versions registered with the license manager and floating license server

If you use an option (e.g. --enable-server-setting and --get-offline-mode) which communicates with the floating license server and the following message appears, update the version of the floating license server.

Message

```
E0174024:The version of the floating license server you are using is older than that
assumed by the license manager. Update the floating license server.
```

Caution: Floating license server V2.08.00 or a later version is required to use floating licenses with license manager V2.09.00.

2.3.12 Record usage in log files

Using the --enable-logging option enables recording the states of usage of the licenses in a log file.

Example of recording usage in a log file

```
$ /usr/local/renesas-mcutools/bin/license-manager --enable-logging
$
```

Using the --logging-info option enables checking the current settings.

Example of checking current settings

```
$ /usr/local/renesas-mcutools/bin/license-manager --logging-info Logging status of use :
Enabled
Max log file size : 10MB
```

```
Save detailed status : Disabled
Directory for saving log file : /home/user/.renesas/mcutools-license/LicenseInfo/Log
$
```

3.MESSAGES

This chapter describes internal error messages, fatal error messages, information messages and warning messages that License Manager outputs.

The messages are output to the standard output of the terminal or a log file, etc.

3.1 Message Types

The message types (1 alphabetic character) when License Manager is operated are as follows. Message Types

Message Type		Description
C	Internal error	Processing was terminated (suspended) due to an internal error.
E	Fatal error	Processing was terminated (suspended) due to a fatal error.
M	Information	Informational message. Check the message and continue processing.
W	Warning	Warning message. Check the message and continue processing.

3.2 Internal Errors

C0171000	[Message]	An internal error occurred. Failed to get a license. xxx
C0171001	[Message]	An internal error occurred. Failed to send license request. xxx
C0171002	[Message]	An internal error occurred. Failed to send license request.
C0171004	[Message]	Failed to load file. xxx
C0171005	[Message]	Failed to save file. xxx
C0190000	[Message]	Specified device is invalid.

C0190002	[Message]	xxx is too large.
C0190003	[Message]	xxx is too small.
C0190004	[Message]	Specified tool is invalid.
C0190005	[Message]	Specified license type is invalid.

3.3 Fatal Errors

E0172000	[Message]	Getting a license is timed out.
E0172001	[Message]	Command-line option is invalid.
E0172002	[Message]	Failed to load license file.
E0172003	[Message]	Failed to load option file. xxx
E0172004	[Message]	Failed to load option file. xxx
E0172005	[Message]	Failed to save option file. xxx
E0172006	[Message]	Failed to save option file. xxx
E0172007	[Message]	Failed to load license information. xxx
E0172008	[Message]	Server address or port settings is invalid. xxx
E0172009	[Message]	Failed to save license information. xxx
E0172010	[Message]	Server address or port settings is invalid. xxx
	[Action by User]	Check that the [Server Address] and [Port] in the Option dialog box are correct.

E0172011	[Message]	Failed to receive response from license server. xxx
	[Action by User]	Check that the [Server Address] and [Port] in the Option dialog box are correct.
E0172014	[Message]	Failed to write log file.
E0172020	[Message]	Response from license server is invalid.
	[Action by User]	Check that the [Server Address] and [Port] in the Option dialog box are correct.
E0172021	[Message]	Response from license server is invalid.
	[Action by User]	Check that the [Server Address] and [Port] in the Option dialog box are correct.
E0172022	[Message]	No available license in license server.
E0172023	[Message]	No available license in license server. But upper level license is available.
E0172024	[Message]	License server respond "invalid server".
	[Action by User]	Disable the floating license in the Option dialog box and then re-enable it.
E0172025	[Message]	License server respond "invalid client".
	[Action by User]	Disable the floating license in the Option dialog box and then re-enable it.
E0172026	[Message]	Clock gap between server and client is too large.
	[Action by User]	Check the time on the client PC. If the time is correct, ask the floating license server administrator to check the time on the server.
E0172027	[Message]	License server respond "unknown license".
	[Action by User]	The version of the license server may be old. Ask the floating license server administrator to check the version of the floating license.

E0172028	[Message]	License is out of date.
E0172040	[Message]	Failed to connect license server. License server respond "xxx".
E0172041	[Message]	A connection with the server has timed out.
	[Action by User]	<p>Check that [Server Address] and [Port] in the Option dialog box are correct.</p> <p>Ask the floating license server administrator to check that the floating license is valid. Requests may be blocked by the firewall of the server PC. Ask the floating license server administrator to check that the client request is allowed.</p> <p>A request may be blocked by security software such as a personal firewall on the client PC. Allow communications to the ports specified in the Option dialog box.</p>
E0172042	[Message]	A connection with the server could not be established. Cannot find server or DNS error.
	[Action by User]	Check that [Server Address] in the Option dialog box is correct. If this does not resolve the problem, specify [Server Address] by the IP address
E0172043	[Message]	Failed to connect license server.
	[Action by User]	<p>Check that [Server Address] and [Port] in the Option dialog box are correct.</p> <p>Ask the floating license server administrator to check that the floating license is valid.</p>
E0172044	[Message]	A connection with the server was denied.
	[Action by User]	Check that [Server Address] and [Port] in the Option dialog box are correct.
E0172045	[Message]	The server returned an error (xxx).
	[Action by User]	Check that [Server Address] and [Port] in the Option dialog box are correct.
E0172046	[Message]	A connection with the proxy server could not be established. Cannot find server or DNS error.
	[Action by User]	Check [Internet Option] in the control panel to make sure that a proxy server is not being bypassed. Ask your network administrator about proxy settings.

E0172047	[Message]	A connection with the proxy server could not be established.
	[Action by User]	Check [Internet Option] in the control panel to make sure that a proxy server is not being bypassed. Ask your network administrator about proxy settings.
E0174024	[Message]	The version of the floating license server you are using is older than that assumed by the license manager. Update the floating license server.
E0174025	[Message]	The version of the license manager you are using is older than that assumed by the floating license server. Update the license manager.
E0174100	[Message]	This license key is invalid. xxx
E0174101	[Message]	This license key is already registered. xxx
E0175400	[Message]	<i>option</i> requires arguments.
E0175401	[Message]	<i>option1</i> and <i>option2</i> options cannot be specified at the same time.
E0175402	[Message]	Unknown option: <i>option</i>
E0175403	[Message]	The < <i>argument</i> > argument of the <i>option</i> option is invalid.: <i>size</i> : Please specify <i>min</i> to <i>max</i> .
E0175404	[Message]	The < <i>argument</i> > argument of the <i>option</i> option is invalid.: <i>value</i> : Please specify <i>spec</i> .
E0175405	[Message]	Floating license is disabled. Please enable it with <i>option</i> .
E0175420	[Message]	The specified license key is not registered. : <i>licenseKey</i>
E0175421	[Message]	The specified kind of floating license could not be obtained. : <i>kind</i>
E0175422	[Message]	The use of the specified kind of floating license could not be ended. : <i>kind</i>
E0180010	[Message]	To add an upgrade (version) license, the upgrade source license must be registered. xxx

E0180011	[Message]	License deletion failed. The upgrade source license cannot be deleted before the upgrade (version) license is deleted.
E0182000	[Message]	Could not write the license information to "xxx".
E0190000	[Message]	Failed to start License Manager. Can not find the folder to store the license information.
E0190001	[Message]	Failed to start License Manager. Can not find the folder to store the license information.

3.4 Information

M0175000	[Message]	Please run <i>command --help</i> for more information.
M0175020	[Message]	There are no licenses available.
M0175021	[Message]	Expiration date of Node Locked License (annual) is reached.
M0175022	[Message]	Expiration date of Floating License (annual) is reached.
M0190000	[Message]	Failed to read license information. The file is broken. Please re-enter license keys.
M0191605	[Message]	Released.
M0191607	[Message]	Get new license : xxx
M0191608	[Message]	Supported : xxx licenses
M0191801	[Message]	Getting license : xxx
M0191802	[Message]	Connecting : xxx
M0191804	[Message]	Getting supported licenses : xxx
M0191805	[Message]	Getting license as offline mode : xxx
M0191806	[Message]	Releasing license : xxx

M0191807	[Message]	Getting license expiration info.
----------	-----------	----------------------------------

3.5 Warning

W0175200	[Message]	The value of the <i>argument</i> argument for the <i>option</i> option is too large. : <i>value</i> : set to <i>max</i>
W0175201	[Message]	The value of the <i>argument</i> argument for the <i>option</i> option is too small. : <i>value</i> : set to <i>min</i> .
W0190002	[Message]	Failed to read license information from "xxx". The file is broken.
W0190003	[Message]	Failure in reading license information. The file is corrupted.

Revision History		License Manager V2.10.00 (for macOS) User's Manual	
Rev.	Date	Description	
		Page	Summary
1.00	Dec.01.25	—	First Edition issued

License Manager V2.10.00 (for macOS) User's Manual

Publication Date: Rev.1.00 Dec.01.25

Published by: Renesas Electronics Corporation

License Manager V2.10.00 (for macOS)



Renesas Electronics Corporation

R20UT5766EJ0100