

AX6700S /AX6600S/AX6300S Option License Setup Guide

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■ Preface

This document describes how to set option licenses that are required to use optional functions of the equipment. Read this document when you set optional functions.

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1. Overview

1.1. Overview of an option license

An *option license* is a license that is required to use an optional function included in the equipment. Each optional function requires a separate option license. An optional function is available only when the option license for the optional function has been set. An option license is provided with the *Software License Agreement and License Sheet*, which contains a license key.

The rules for using option licenses are as follows:

- Only option licenses that support the equipment must be used.
- An option license cannot be set on more than one unit of equipment.
- The option license for a function can be added to the equipment on which the option license for another function has been set.
- The option license settings are saved on the equipment. You must re-set option licenses when the equipment is replaced or new software is installed. You do not need to re-set option licenses when a software version is updated.
- To activate the option licenses you set, you must restart the equipment.

2. Setting an Option license

2.1. Introduction

An option license is set using a license setup command with a license key. The license key is provided on the *Software License Agreement and License Sheet*.

2.2. Procedure for setting an option license

To set an option license:

1. Use a user ID that has been set (such as `operator`) in the equipment to log in to the equipment.
2. Enter the `enable` command.
3. Enter the `show license detail` command.
4. Check the displayed information for the current option license settings. (① in the figure below)
5. Enter the `set license key-code license-key` command to set a desired option license. Note that the letters in the license key must be all lower case. (② in the figure below)

Command line examples:

```
set license key-code 0250-03e4-1000-1000-0a36-b5e3-fed8-a71c
set license key-code 025003e4100010000a36b5e3fed8a71c
```

As shown in the second example, the hyphens in the license key can be omitted.

If you specify the wrong license key, the command displays `Invalid license key`. If this message is displayed, execute the command with the correct license key specified.

6. Enter the `show license detail` command.

The figure shown after the procedure is an example of log information when the system is not duplicated. When the system is duplicated, the log information is like the following:

```
Active System:
Available: -----
Serial Number    Licensed software
0250-03e4-1000-1000 OP-BGP(AX-P6300-F1)
Standby System:
Available: -----
Serial Number    Licensed software
0250-03e4-1000-1000 OP-BGP(AX-P6300-F1)
```

7. Confirm that the option license you set is displayed. Note that only the first 16 characters of the license key are displayed. (③ in the figure below)
8. Execute the `reload -f no-dump-image` command to restart the equipment. The license key you set becomes valid when the equipment is restarted. (④ in the figure below)
9. After the equipment has restarted, log in to it again.
10. Execute the `show license detail` command to confirm that the option license you set is in effect. (⑤ in the figure below)

The procedure for setting an option license is complete.

```
login: operator

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> enable
# show license detail
Active system:
Available: ----- ... ① (The current license settings are displayed.)
-----
Standby System: -----
# set license key-code 0250-03e4-1000-1000-0a36-b5e3-fed8-a71c ... ② (Option license setup command)
# show license detail
Active System:
Available: -----
Serial Number    Licensed software
0250-03e4-1000-1000 OP-BGP(AX-P6300-F1) ... ③ (Check the license information you set.)
Standby System: -----

# reload -f no-dump-image ... ④ (The equipment is restarted.)
#
ROM 00.02.16
-----
BOOT 00.02.00
Loading from dev2 100%

login: operator

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> show license detail
Active System:
Available: OP-BGP ... ⑤ (Confirm that the license you set is in effect.)
Serial Number    Licensed software
0250-03e4-1000-1000 OP-BGP(AX-P6300-F1)
Standby System: -----
```

2.3. Deleting an option license

To delete an option license:

1. Use a user ID that has been set (such as `operator`) in the equipment to log in to the equipment.
2. Enter the `enable` command.
3. Enter the `show license detail` command.
4. Check the displayed information for the current option license settings. (① in the figure below)
5. Enter the `erase license serial-number` command. In *serial-number*, specify the first 16 characters of the license key for the option license you want to delete. You can check the execution results of the `show license detail` command for the 16-character serial number you need to specify. (② in the figure below)

Command line examples:

```
erase license 0250-03e4-1000-1000
erase license 025003e410001000
```

As shown in the second example, the hyphens in the serial number can be omitted.

If you specify the wrong serial number, the command displays `Invalid serial number`. If this message is displayed, execute the command with the correct serial number specified.

6. When the message confirming deletion of the option license appears, enter `y`. (③ in the figure below)
7. Enter the `show license detail` command.
8. Confirm that the information for the option license has been deleted. (④ in the figure below)
9. Execute the `reload -f no-dump-image` command to restart the equipment. The license key you deleted is no longer in effect when the equipment is restarted. (⑤ in the figure below)
10. After the equipment has restarted, log in to it again.
11. Execute the `show license detail` command to confirm that the option license is no longer in effect. (⑥ in the figure below)

The procedure for deleting an option license is complete.

login: **operator**

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> **enable**

show license detail

Active System

Available: OP-BGP

... ① (The current license settings are displayed.)

Serial Number Licensed software

0250-03e4-1000-1000 OP-BGP(AX-P6300-F1)

Standby System: -----

erase license 0250-03e4-1000-1000

... ② (Option license deletion command)

This serial number enable OP-BGP

Erase OK? (y/n): y

... ③ (A confirmation message appears. To delete the license, enter 'y'. To cancel deletion, enter 'n'.)

#

show license detail

Active System:

Available: OP-BGP

... ④ (Confirm that the license has been deleted.)

Standby System: -----

reload -f no-dump-image

... ⑤ (The equipment is restarted.)

#

ROM 00.02.16

BOOT 00.02.00

Loading from dev2 100%

login: **operator**

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> **show license detail**

Active System:

Available: ----

... ⑥ (Confirm that the license you deleted is no longer in effect.)

Standby System: -----