TOSHIBA

SERVICE MANUAL

MULTIFUNCTIONAL DIGITAL SYSTEMS

License Management

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1. OVERVIEW

This manual is for the service technicians who operate [37 LICENSE MANAGEMENT] in the FS menu. The license for applications and options can be managed in [37 LICENSE MANAGEMENT] in the FS menu. This manual explains the operation procedure of [37 LICENSE MANAGEMENT] in the FS menu and the cautionary points during its operation.

Notes:

When activation, deactivation and deletion of the license is performed in [37 LICENSE MANAGEMENT], press the gear icon of the USER FUNCTIONS menu for a few seconds to enter into the FS menu.

License Management
OVERVIEW

2.   LICENSE TYPES AND CATEGORIES

Both applications and options allow to use additional functions in the equipment.
Functions of the applications can be used in the equipment by installing them from TopAccess and activating their licenses. Functions of the options can be used in the equipment by activating their licenses by means of [37 LICENSE MANAGEMENT] or by the electronic key.

2.1   Types and Categories

There are following types and categories in the licenses.

Type	Description	Category	Description
Node	This can be used only for one unit of the equipment.	Indefinite	There is no limitation in the use term.
		Term	The functions can be used for a certain period of time. The time when the license has been activated becomes the start date.
		Trial	The functions are activated temporarily for the trial use before purchasing the applications with the trial license.
Subnet	This can be used in multiple units of the equipment whose 1st to 3rd octets of the IP address are the same.	-	-
Domain	This can be used in multiple units of the equipment with the same domain.	-	-

2.2   Setting of the Trial License and the Term License

For the Trial License and the Term License, a caution icon is displayed on the License Management screen when a period of use is close to its end date. The timing to display the icon can be set by the following code.

Classification	Code
Trial License	FS-08-3633-0 Pre-notification setting of trial license expiration
Term License	FS-08-3633-1 Pre-notification setting of term license expiration

Remarks:
For details about the codes, refer to the latest version of the self-diagnostic codes list.

3. ONLINE/OFFLINE

The license can be activated or deactivated by selecting [Online] or [Offline]. The combination of the equipment type and [Online]/[Offline] is as shown in the following table.

Activation/Deactivation method	Equipment type	Remarks
[Online]	Equipment which can make an outside communication	* Pre-registration of exclusive settings is required.
[Offline]	Equipment which cannot make an outside communication	-

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4. EXPLANATION OF THE SCREEN

The License Management screen appears if [37 LICENSE MANAGEMENT] is selected in the FS menu and [OK] is clicked.

Notes:
    In order to enter into the FS menu, press the gear icon of the USER FUNCTIONS menu for a few seconds.
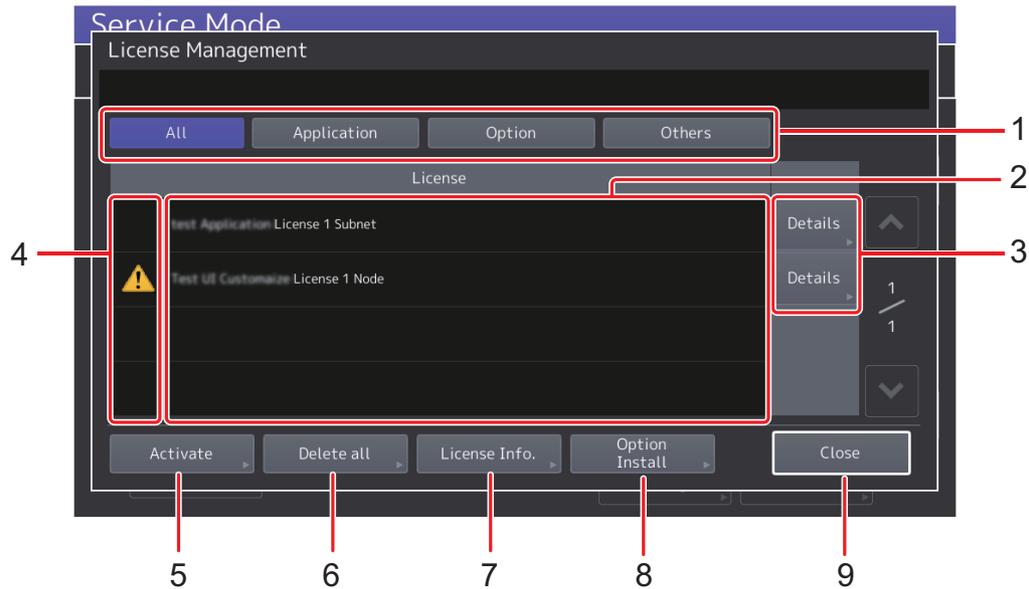
License Management screen

Fig. 4-1

1. Selects the category of the license to be displayed in the field [2].
2. The licenses which have been activated in this equipment are displayed.
3. Select this to display the details of the license indicated in the list on the left.
4. Status information of the applications is displayed.
5. Select this to activate the license of applications.
6. This will not be used usually. If this has been used, reobtain all licenses and activate them again.
7. Select this to display the list of the equipment in which licenses are registered by the electronic key when it is installed.
   (This is the function equivalent to [LICENSE INFO.] in the screen of FS-08-3840. For details, see the Service Manual for ELECTRONIC KEY.)
8. Select this to register options by the electronic key.
   (This is the function equivalent to [INSTALL] in the screen of FS-08-3840. For details, see the Service Manual for ELECTRONIC KEY.)
9. Select this to close the License Management screen. The equipment will reboot.

5. HOW TO ACTIVATE THE LICENSE

The activation method and the operation procedure differ depending on the network environment of the equipment and the license type. Be sure to perform the operation properly in accordance with these.

Activation method	Necessary information	Remarks
[Online]	License authentication ID	* Text file
[Offline]	License file	zip file

* A multiple number of license authentication IDs can be contained in one text file.

5.1 [Online]

When the equipment can make an outside communication via a network, the license can be activated by selecting [Online].
Necessary information: License authentication ID
Be sure to store license authentication IDs with a text format in a USB storage device.

Remarks:
- Apply an arbitrary name to the file.
- Store the file in the root of a USB storage device.
- When a multiple number of license authentication IDs is stored in one text file, insert line feeds for each ID.

(1) In order to activate the license by [Online], perform the following network settings.

Code	Content
FS-08-3634 [*1]	License server URL setting
FS-08-8693 [*2]	IP address of the license activation proxy server
FS-08-8694 [*2]	Port number of the license activation proxy server
FS-08-8695 [*2]	Login user name to connect to the license activation proxy server
FS-08-8696 [*2]	Password to connect to the license activation proxy server

*1 Obtain this information from the license provider. Use the default URL in principle.
*2 Obtain this information from the user or the network administrator.

(2) Press [Activate] on the License Management screen. The License Activation screen appears.

(3) Press [Online] on the License Activation screen.

(4) Press [USB]. Insert a USB storage device with license authentication ID files stored into the equipment.
   Remarks:
   If license authentication IDs are entered by using a keyboard, press the text box without inserting a USB storage device. After the license authentication ID is entered, press [OK] and go to step (10).

(5) Press [OK]. The Select a file screen appears and all the license authentication ID files in the USB storage device are displayed.

(6) Select the license authentication ID file in which the license authentication ID to be activated is included. Press [OK].

(7) The Select a License Certificate Number screen appears. All the license authentication IDs included in the selected file are displayed.

(8) Select the license authentication ID to be activated and press [Set].

(9) Confirm that the correct license authentication ID is entered in the text box and press [OK].

(10) The confirmation screen appears. Press [Yes].

(11) The screen indicating under processing appears. After a few minutes have passed, the confirmation screen indicating the success of the authentication appears. Press [OK].

(12) Confirm that the activated license is displayed in the License Management screen.

5.2 [Offline]

When the equipment cannot make an outside communication via a network, the license can be activated by selecting [Offline].
Necessary information: In case of the license file: "LIC_xxxx_yyyy.zip"
xxxx: A different value appears depending on the license.
yyyy: Serial No. of the equipment

Remarks:
- Store the license file in the root of a USB storage device.
- Activation can be carried out only in the equipment with the same serial No. as that for the license file.
- Check that the date and time of the equipment is correct.
- The subnet license can be activated only in equipment in which a network connection has been made by means of the specified IP address. - The domain license can be activated only in the equipment to which a connection to the specified domain has been made.

(1) Press [Activate] on the License Management screen. The License Activation screen appears.

(2) Press [Offline] on the License Activation screen.

(3) Insert a USB storage device with the license authentication ID files stored into the equipment.

(4) Press [OK]. The Select a file screen appears and all the license files in the USB storage device are displayed.

(5) Select the license file in which the license to be activated is included. Press [OK].

(6) The confirmation screen appears. Press [Yes].

(7) The confirmation screen indicating the success of the processing appears. Press [OK].

(8) Confirm that the activated license is displayed in the License Management screen.

5.3 Activation of the Subnet License and the Domain License in the 2nd or Later Unit of the Equipment

For the subnet license and the domain license, it is required to activate the license in several units of the equipment. The equipment in which the license has been activated by means of the license authentication ID or the license file will be the host unit. By using an export license file exported from this host unit, activate the license of other units of the equipment in which required conditions are satisfied. For details about the conditions, refer to 📖 P. 2-1 "2.1 Types and Categories".

(1)   On the License Management screen of the host unit, press [Details] of the license file to be exported.

(2)   Press [Export] in the License Details screen.

   Remarks:
   • [Export] is displayed on the screen only for the Subnet license and the Domain license.
   • In case of the export license file: "LIC_xxxx_Export.zip"
      xxxx: A different value appears depending on the license.

(3)   Insert a USB storage device to store the license file into the equipment and press [OK].

(4)   The confirmation screen appears. Press [Yes].

(5)   The confirmation screen indicating the success of the processing appears. Press [OK] and remove the USB storage device.

(6)   Insert the USB storage device with the export license file stored into another unit of the equipment in which the required conditions are satisfied. Activate the license.

   Remarks:
   • The export license file can be used in several units of the equipment.
   • The activation procedure is the same as that for [Offline].

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6. HOW TO DEACTIVATE AND DELETE THE LICENSE

A license whose type is the indefinite node license can be deactivated. The deactivation method and the operation procedure differ depending on the network environment of the equipment. Be sure to perform the operation properly in accordance with this.

(1) Press [Details] of the license to be deleted on the License Management screen.

(2) Press [Deactivate] on the License Details screen.

(3) Press [Online] or [Offline].

> **Remarks:**
> • For the equipment which can make an outside communication, press [Online] to deactivate the license.
> • When the license is deactivated by means of the use of [Offline], send a disable certificate file (*) of the license to the license provider.
> * A file stored in a USB storage device when the license is deactivated.
> "LIC_Deact_xxxx_yyyy.zip"
> xxxx: A different value appears depending on the license.
> yyyy: Serial No. of the equipment

(4) The confirmation screen appears. Press [Yes].

(5) Press [Details] of the license file which has been deactivated on the License Management screen. The License Details screen appears. Check that "Disabled" is indicated in Product ID.

> **Notes:**
> Licenses whose type are the subnet license and the domain license can be deleted. However, do not perform the deletion of these licenses in principle. If the deletion of the licenses is required for some reason, do so not only in the host unit but also in all other units in which the licenses have been activated by means of an export license file.

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7. LIST PRINT

The list of the activated licenses can be printed by [30 LIST PRINT MODE].
The list to be written differs depending on the licenses. Therefore, output both lists described in the code field in the following table when outputting the license list.

Options/Applications List

Output style	Code
Printed	111, 125
CSV format file	211, 225

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8. TROUBLESHOOTING

This chapter explains the troubleshooting for problems which could occur during the activating/deactivating of the license or the replacing of a standard storage device and PC boards.

8.1 Human-made Problem when Activating/Deactivating the License

Troubleshooting when the license of the incorrect equipment is activated by means of [Online]
- License which can be deactivated
  Deactivate the license in the equipment in which activation has been performed. Then activate the license in the correct equipment by using the same license authentication ID.
  Example: Indefinite node license, etc.
- License whose deletion is necessary
  Delete the license in the equipment in which activation has been performed. Then obtain the reusable license for it from a license provider. Activate the license in the correct equipment by using this reusable license.
  Example: Term License and Subnet License

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8.2 When a standard storage device is Replaced

After the standard storage device has been replaced, the license will become an incomplete status. Therefore, it is necessary to return the license to the one before the standard storage device has been replaced.
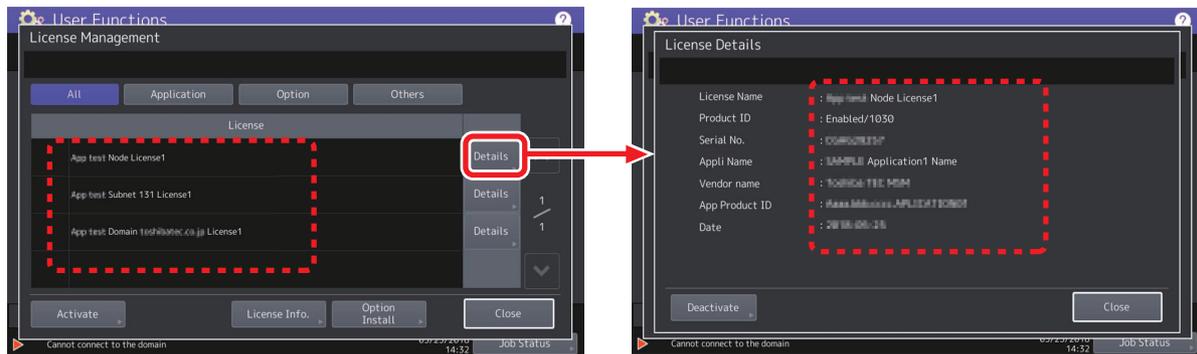
Normal

Fig.8-1

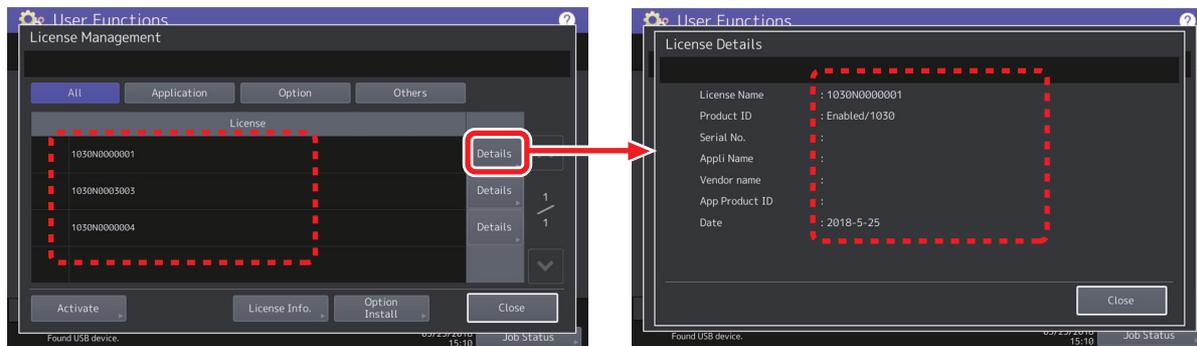After the standard storage device replaced

Fig.8-2

- Restore the backup data with the latest status, including all the activated licenses, are stored.
- If there are no backup data as above, reactivate all the licenses which have been activated in this equipment.
  For details, refer to 📖 P. 5-1 "5.1 [Online]" and 📖 P. 5-2 "5.2 [Offline]".
- If the functions have been activated by the export license file, import the license exported from the host unit of the equipment.
  For details, refer to 📖 P. 5-3 "5.3 Activation of the Subnet License and the Domain License in the 2nd or Later Unit of the Equipment".

Remarks:
- Applications with the trial license cannot be recovered from the backup data. If necessary, reinstall the applications.
- The out-of-order period caused by the breakage of the equipment is included in the day count for the term license.

8.3   When the SYS Board is Replaced

Replace the SYS board in accordance with the procedure described in the Service Manual for the MFP.

Remarks:
   Use the non-used SYS board supplied as a service part for the replacing.

8.4   When the SRAM is Replaced

Replace the SRAM and reboot the equipment in accordance with the procedure described in the Service Manual for the MFP.

8.5   When the LGC Board is Replaced

Replace the LGC board in accordance with the procedure described in the Service Manual for the MFP and shift into the FS-08 mode.

Remarks:
   Use the non-used LGC board supplied as a service part for the replacing.

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License Management
TROUBLESHOOTING

9. DURING THE HIGH SECURITY MODE

Regarding the availability of the options or applications in the high security mode, refer to the following table.

License category	Availability in the high security mode
Option	Available
Application	Not available
UI customization	Not available

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10. WHEN THE USE OF THE EQUIPMENT IS STOPPED

When the use of the equipment is stopped, return the license for the following options by selecting [Option] in the License Management screen or by performing 08-3840.

*   GM-2280, GP-1070, GS-1010, GS-1020, GP-1190, GS-1007, GS-1080/1085, GS-1090/1095

Remarks:
Applications and their licenses will be deleted when the end processing of the use of the equipment is performed.

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REVISION RECORD

Ver01

Ver01 <2021/12/22>	
Page	**Contents**
1-1 4-1	The icon name has been changed.
5-2	The unnecessary descriptions have been deleted.
8-1 to 8-8	The part names have been changed.
	The troubleshooting have been deleted.

Ver00

Ver00 <2018.6.20>	
Page	**Contents**
All	Initial release

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