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SL1100

License Manager Server User's Guide

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License Management Server

SECTION 1.0 INTRODUCTION

This manual is intended to give an overview on how the licensing procedure operates on the SL1100 platform. Some features and hardware require an appropriate license to be installed on a SL1100 processor to work. Each SL1100 CPU has a unique Hardware Key that is generated by NEC. Software Key Codes can be downloaded from the License Manager Server (LMS) and assigned to a hardware key.

The LMS is a web portal where NEC Customer Service can login and download a license that can be installed on a CPU. The procedure involves logging the hardware key on to the LMS, and then assigning a software key to the hardware key. After this is done, a license file can be downloaded and installed on a CPU using PC Pro, Web Pro or a Compact Flash Card.

SECTION 2.0 60 DAY TRIAL

The 60 day trial should only be used when it is not possible to install a real license that would have been downloaded from the LMS. If the 60 day trial expires without a real license being installed, the SL1100 operates using only unlicensed features. By default the trial is turned **Off** and can be turned on or off by using PC Pro, Web Pro or Phone Programming. Set Program 90-55-01 to 1 to enable or 0 to disable the trial.

The 60 day trial gives full access to all features for its duration.

The trial rules for the trial are provided below:

- ☐ The 60 day demo starts when the system is powered on. The option to enable or disable this feature is available in Data Program 90-55-01 (1=Enable and 0=Disable).
- ☐ When the CPU is powered down and left off, the timer stops, and starts counting again when it is powered on.
- ☐ To determine the number of days left for the trial, set Program 90-55-01 to 1 and check Program 10-52-01.

- ☐ If a license has not been installed on the SL1100, and the trial license is turned on and then off, the days remaining continues to decrease.



When the SL1100 system is powered on, the 60 day demo trial starts and will count down 60 contiguous days. Disabling Program 90-55-01 will not deter the countdown progress

SECTION 3.0 LICENSABLE ITEMS

All of the licensing options can be broken down into different categories. Some licenses (e.g., VoIP Encryption) have a quantity of 1 to turn them on, while others have a quantity depending on the number of devices that are used. For example, you may have a license for 20 Standard SIP Terminals, in this scenario a license for 20 Standard SIP Terminals would be issued. If you were to purchase VoIP Encryption then 1 license would be issued to turn on VoIP Encryption.

References in this manual are made to the license code. License codes (four digits in length) are the actual codes that are recognized by the SL1100.

3.1 VoIP Licenses

Table 1-1 VoIP Licenses

Name	Description	License Code	Additional Info
SL-IP-SIPTRK-1-LIC	SIP Trunk Licenses	5001	SIP trunk licenses are bundled in groups of four. A maximum of 32 SIP trunk licenses can be installed.
SL-IP-SIPEXT-1 LIC	Standard SIP Terminal Licenses	5111	A maximum of 64 Standard SIP licenses can be installed.
SL-IP-ENCRYPTION LIC	Allows multiline IP terminals to use the encryption feature.	0030	A single license will enable this feature system wide.
SL-IP-CHANNEL-16 LIC	Adds an additional 16 ports onto the VoIPDB.	0042	Expands the VoIPDB from 16 to 32 ports. A single license will enable this feature

3.2 Hotel / Motel

Table 1-2 Hotel/Motel License

Name	Description	License Code	Additional Info
SL-SYS-Hotel LIC	Used to enable the Hotel/Motel feature in the system.	0007	A single license will enable this feature.

3.3 InMail Voicemail License

Table 1-3 InMail Voicemail Licenses

Name	Description	License Code	Additional Info
SL-VM-CHANNEL-2 LIC	Adds an additional two ports of InMail licenses.	1002	At default, a 15H CF comes with two ports, a 40H CF comes with four ports. This license adds an additional two ports, to either CF, up to a maximum of 16 ports.
SL-VM-ADVANCE LIC	Activates the following InMail features: E-Mail Notification Cascading Message Notification Find Me/Follow Me Password Operation Hotel/Motel	1015	A single license will enable this feature system wide.

3.4 Terminal Related

Table 1-4 Terminal Related Licenses

Name	Description	License Code	Additional Info
SL-SYS-MOBILE-1 LIC	Additional Mobile Extension port licenses.	5201	At default, the SL1100 has four Mobile Extensions. This license will add one Mobile Extension per license for a maximum of 32.
SL-DS-CLIENT1 LIC	Desktop Suite Seat License	5505	Adds one client per license added. Allows the user to choose between Desktop or Client mode.

SECTION 4.0 LICENSE PROCEDURE

Figure 1-1 License Procedure Flowchart displays the steps required to purchase licenses for the SL1100.

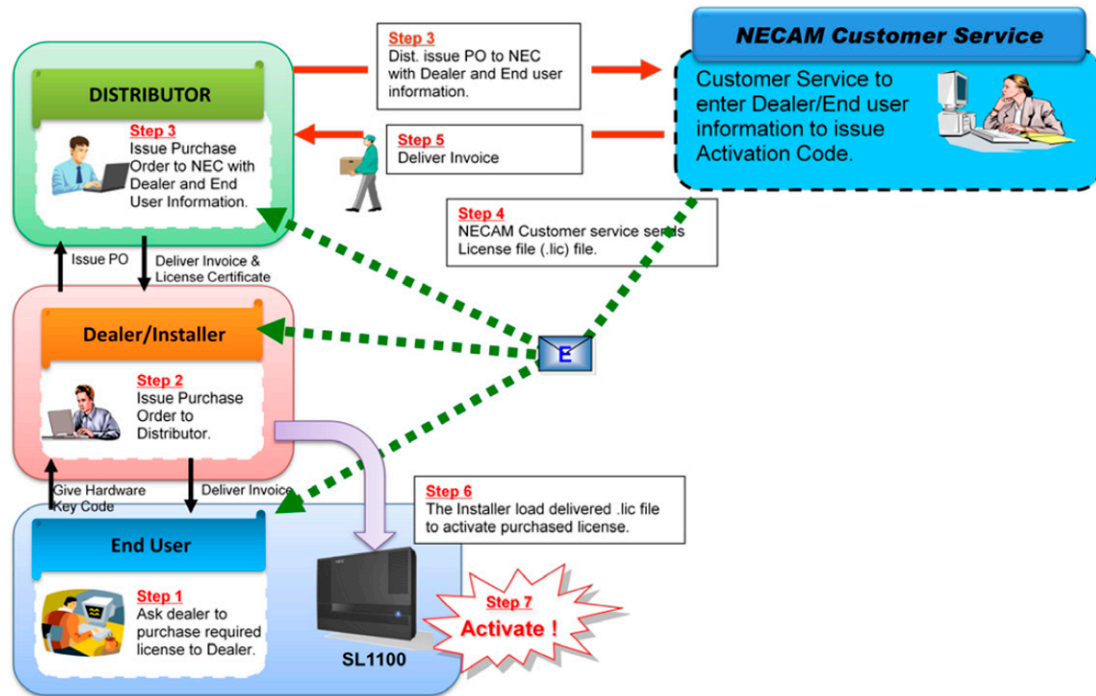


Figure 1-1 License Procedure Flowchart

Step 1:

The Hardware Key Code of the SL1100 must be obtained. The Hardware key Code is a unique 12 digit number in every SL1100 system. The Hardware Key Code can be found in the following locations:

- ☐ Printed on the box the SL1100 is shipped in.
- ☐ On a working phone, press the **center cursor key** and dial **93** on the dial pad. Press the **select soft key** and the Hardware Key code will be displayed. The display of the phone will have three lines of data; the Hardware Key Code is in the bottom line and will be in the following format: HKEY: XXXX-XXXX-XXXX.
- ☐ Using PCPro, connect to the system and click on **Feature Activation**. The Hardware Key code will be listed on the top of the screen.
- ☐ Using Web Pro, connect to the system and click on **Feature Activation**. The Hardware Key code will be listed on the top of the screen.

Step 2:


Once the Hardware Key Code has been obtained this information is sent to the distributor. Along with the Hardware Key Code a P.O. is issued to the distributor to purchase the licenses.

Step 3:

The distributor issues a P.O. to NEC Customer service and provides the customer information and Hardware Key Code.

Step 4:

NEC Customer service receives the Hardware Key Code and enters all the information into the license server. NEC Customer service will then send the license file to all parties via Email.

 *Do not change the name of the license file.*

Step 5:

NEC Customer Service delivers an invoice to the distributor.

Step 6:

The installer loads the license file to the SL1100 in one of the three following ways:

- ☐ Using PCPro to load the license file.
- ☐ Using Web Pro to load the license file.
- ☐ Using a Compact Flash Card to load the license file.

Step 7:

The SL1100 is now licensed and can begin using the features.

SECTION 5.0 INSTALLING A LICENSE

Once a license file has been received by the installer the license file now has to be loaded to the SL1100. The license file can be loaded in three different ways, using PCPro, Web Pro, or a Compact Flash Card. Once a license has been installed, if the 60 day trial license is running then this should be turned off. If a real license was installed and the trial was left on then the trial will remain active and continue to countdown. To turn off the free license, set Program 90-55-01 to **0** using PCPro, Web Pro or a Compact Flash Card.

5.1 Using PCPro

To install a license using PCPro, first connect to the SL1100 using PCPro, then click **Feature Activation**.

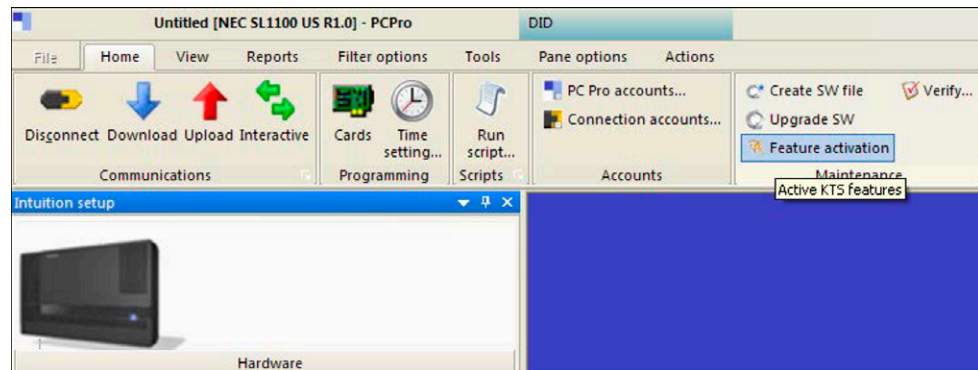


Figure 1-2 Feature Activation Screen

When the free license is running, the Feature Activation screen will show all features as being on. The Expires column will show Unlimited. This does not mean that the license will not expire, the expiry date should be checked in Program 10-52-01 in PCPro, Web Pro or Telephone Programming.

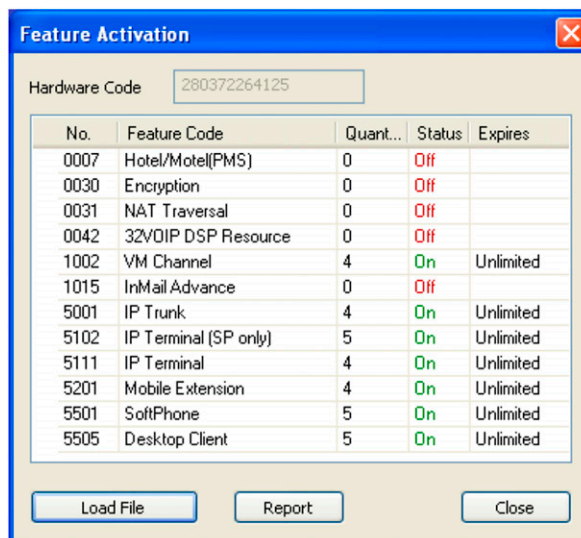


Figure 1-3 Feature Activation – Hardware Code

In the Feature Activation screen, click **Load File**. In the Open screen, browse to the license file and click **Open**.

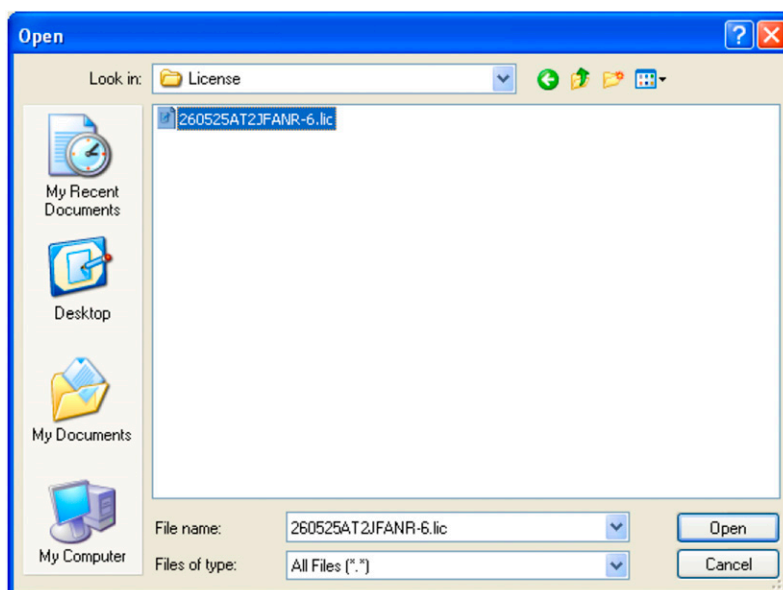


Figure 1-4 Open Screen

The license will be installed and an Activation Success screen will appear. Click **OK**.



Figure 1-5 Activation Success Screen

If the free license is running, change Program 90-55-01 from a 1 to a 0 and exit from programming.

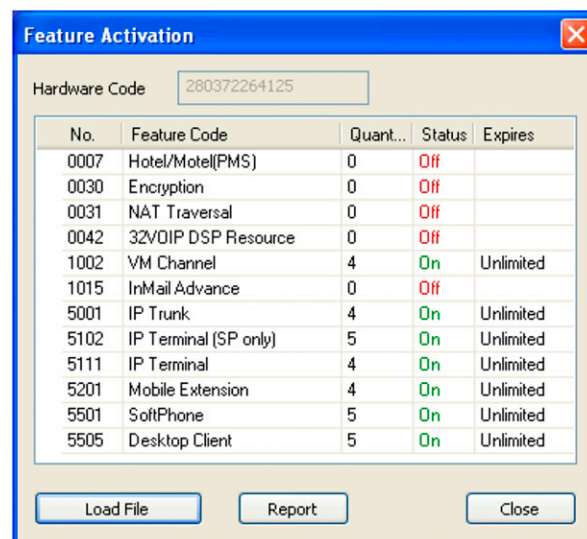



Figure 1-6 Feature Activation Off

5.2 Using WebPro

To install a license using WebPro, login to WebPro and from the home page click on the **Feature Activation** icon .

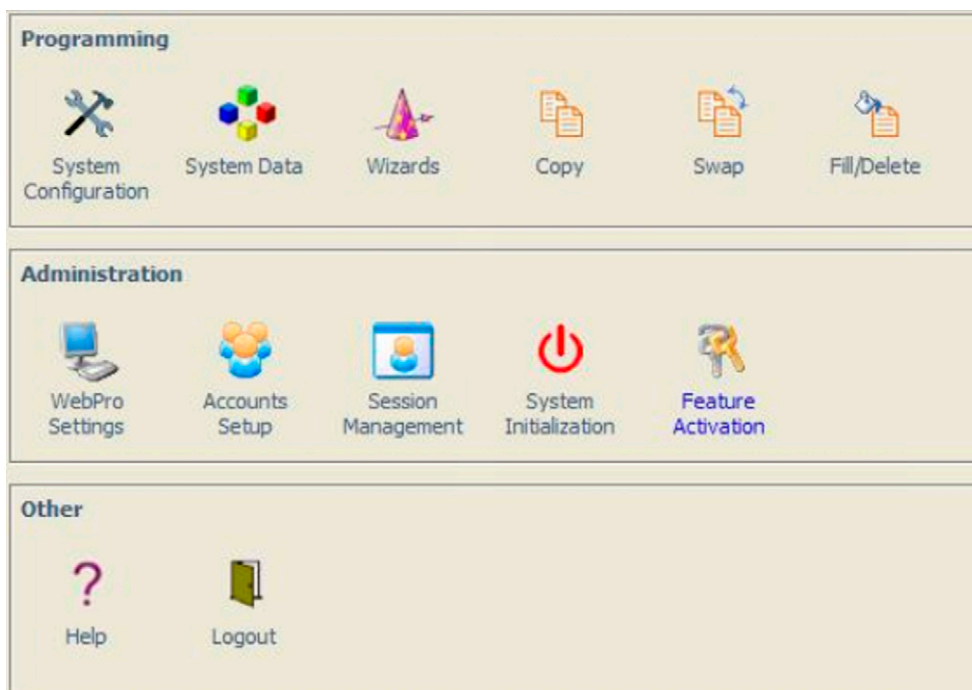


Figure 1-7 WebPro Home Page

Internet Explorer will open and display a WebPro page. Scroll to the bottom of the page and click the **Browse** button.

License Registration

Hardware Key Code:

The following features are registered:

Feature No	Feature Name	License Qty	Expiry Date
1002	VoiceMail (Embedded)	4	Never
5001	System Port License	4	Never
5102	IP Terminal (SP only)	5	Never
5111	IP Terminal	4	Never
5201	Mobile Extension	4	Never
5501	Desktop Application	5	Never
5505	Desktop Client	5	Never

Upload a license file to the KTS:

☐ Demo License

Figure 1-8 License Registration Page

In the Choose File screen, locate the license file and click **Open**.

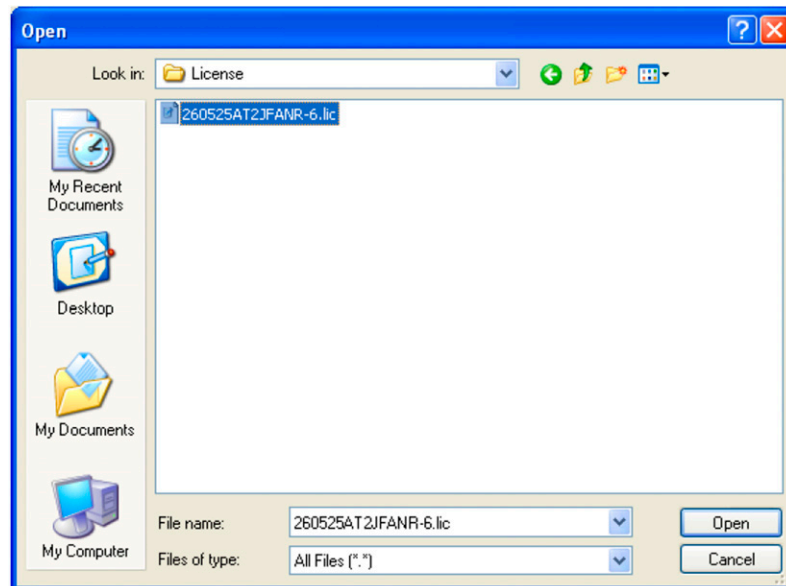


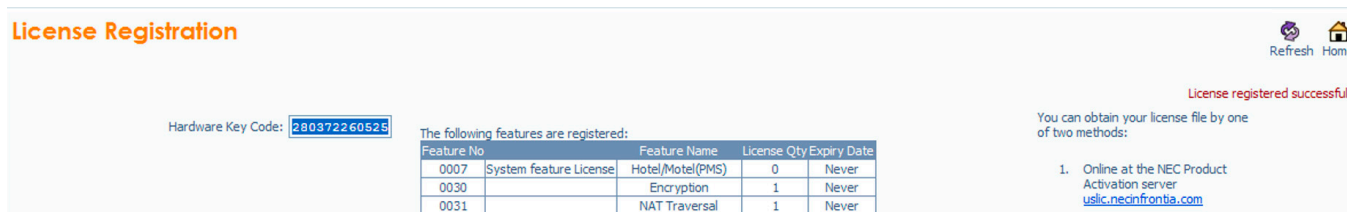
Figure 1-9 Open Screen

The path to the files will be displayed, click the **Upload** button followed by **OK**, to install the license.



Figure 1-10 OK to Proceed Screen

Web Pro will now install the license. At the top of the window, you see License registered successfully.



License Registration

Hardware Key Code: **280372260525**

The following features are registered:

Feature No	Feature Name	License Qty	Expiry Date
0007	System feature License	0	Never
0030	Encryption	1	Never
0031	NAT Traversal	1	Never


You can obtain your license file by one of two methods:

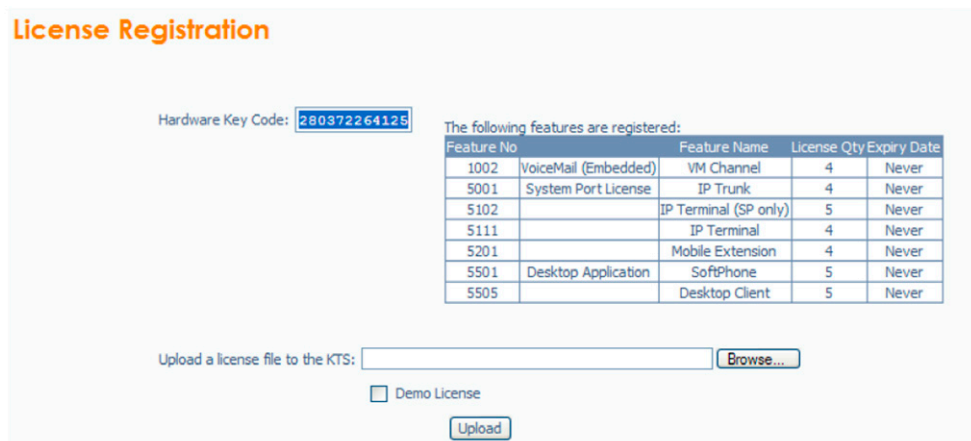
1. Online at the NEC Product Activation server uslic.necinfrofrontia.com

License registered successfully

Refresh Home

Figure 1-11 License Registered Successfully Screen

If the free license was running, set Program 90-55-01 to 0 and click the **Refresh** icon  in the License Registration web page. Details of the installed license will be displayed.



License Registration

Hardware Key Code: **280372264125**

The following features are registered:

Feature No	Feature Name	License Qty	Expiry Date
1002	VoiceMail (Embedded)	4	Never
5001	System Port License	4	Never
5102	IP Terminal (SP only)	5	Never
5111	IP Terminal	4	Never
5201	Mobile Extension	4	Never
5501	Desktop Application	5	Never
5505	Desktop Client	5	Never

Upload a license file to the KTS:

☐ Demo License

Figure 1-12 License Registration Page

5.3 Using a Compact Flash Card

To install a license using a Compact Flash Card, copy the license files to the root of the Flash Card. Plug the Flash Card into the VMDB mounted on the CPU. This must be done when the system is powered OFF. Once the flash card is mounted power the system back ON and enter telephone programming mode and go to Program 10-49-01. Enter 1 to start reading in any licenses from the Compact Flash Card. The SL1100 will read in any licenses for its own CPU. If more than one file for the same system exist in the root of the Flash Card, it will read them all. If the license is read in successfully then **Entry OK** is displayed on the handset.

If the free license was running, set Program 90-55-01 to 0 to turn it off.

To view the installed licenses, connect to PCPro / WebPro.

5.4 By Entering the Code Manually

It is also possible to enter a license code manually in Telephone Programming. Start by opening the .lic file that you wish to install. You will see the Software Key Code, Activation Code and Feature Codes. Login to Telephone Programming and go to Program 10-48-01 and enter the Software Key Code. In Program 10-48-02, enter the Activation Code. In Program 10-48-03, enter the Feature Codes. Once all of these have been entered, press the **Submit** softkey.

If the free license was running, set Program 90-55-01 to 0 to turn it off.

To view the installed licenses, connect to PCPro / WebPro.

SL1100 License Manager Server

User's Guide

NEC Corporation

Issue 1.0