

NEC

SL2100

Licensing Manual

Certain features on the SL2100 require a licenses to enable them to work, this manual is intended to give an overview on how the licensing procedure operates on the SL2100 platform and how the install the licenses. Each SL2100 CCPU has a unique 'Hardware Key'. This hardware key can be assigned to licenses on the LMS.

The License Management server (LMS) is a web portal where users can logon and download a license that can be installed onto a SL2100. The procedure involves logging the hardware key on to the LMS and then assigning licenses to the hardware key. Once this has been done then a license file can be downloaded and it can be installed onto a CCPU card using PC Pro or WebPro.

The LMS can also be used to generate licenses for the IP DECT system. This works in the similar way to the SV licensing model but the licenses are assigned to a unique 'PARI' code instead of a Hardware Key. The PARI code is issued when the IP DECT equipment is ordered. Details for licensing IP DECT Systems can be found in IP DECT Licensing.

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1 – The Free License and 60 Day Trial

The free license can only be enabled whilst the 60 day trial period is valid on the SL2100. The rules surrounding the 60 day trial and the free license are summarised below:

60 Day Trial

- The 60 day trial period will begin from when the CPU is first powered up and will start counting down.
- Whilst the CPU is powered up there is no way to stop or pause the 60 day trial, it will continue to countdown until it expires.
- If the CPU is powered down then the countdown will be paused until the CPU is powered on again. Once powered on again the countdown will continue.
- To use the free license, the 60 day trial must not have expired.

Free License

- The Free License can only be enabled on the SL2100 during the 60 day trial period.
- When the Free License is enabled you have full access to all licensed features on the SL2100.
- The free license is turned off by default and can be turned on in PRG command 90-55 or in Easy Edit / Quick Install / 60 Day Trial.
- To view the number of days remaining in the trial, you must first turn on the free license and then look in PRG command 10-52-01 or Easy Edit / Quick Install / 60 Day Trial
- The free license will stop running if the 60 day trial expires or it is disabled in PRG command 10-52-01 or in Easy Edit / Quick Install / 60 Day Trial
- If the free license is running when the 60 day trial period expires, then the features running under the free license will cease to work.

Note 1: When you turn off the free license any registered licensed devices restart. For example IP Terminals, if you turn off the free license, any IP Terminals that are in use will restart.

2 – Licensable Items

All of the licensing options can be broken down into different categories. Some licenses are either turned on or off, these types of licenses normally have a quantity of 1 to turn them on. Other licenses can have a quantity based on the number of devices that can be used.

References in this manual are made to both license codes and part numbers. License codes are the actual codes that are recognised by the SL2100, all license codes are 4 digits in length. Part numbers are the numbers that are actually ordered and are generally referred to as BE codes or EU codes. They will begin EU or BE and will have 6 numbers. Some licenses are included by default, the table below provides a summary of these licenses. The manual goes on to describe each license and its purpose in more detail.

Default licenses available on the Standard CPU:

License Code	BE Code	Quantity	Description
0080	BE116760	4	Web Video Conference
5201	BE116757	4	Mobile Extension
5103	-	8	IPLC Channel Resources

By adding an IPLC card an additional 8 IPLC channel resources (license code 5103) are available in the SL2100.

Default licenses available on the Advanced CPU:

License Code	BE Code	Quantity	Description
0080	BE116760	4	Web Video Conference
5201	BE116757	4	Mobile Extension
5103	-	8	IPLC Channel Resources
5001	BE116745	4	IP Trunk
5111	BE116746	4	IP Extension License

By adding an IPLC card an additional 8 IPLC channel resources (license code 5103) are available in the SL2100.

VoIP Licenses

Name	SL2100 NEC SIP License
Description	1 License is required for each NEC IP Terminal that will be concurrently connected to the SL2100. This includes DT8xx and IP Dect handsets. This license isn't required for an SL2100 IP Terminal.
Part Number	EU909388
4 Digit Code	5111 x 1

Name	SL2100 IP EXT-01 LIC
Description	1 License is required for each Non-NEC IP Terminal that will be concurrently connected to the SL2100.
Part Number	BE116746
4 Digit Code	5111 x 1

Name	SL2100 IP TRUNK-01 LIC
Description	1 License is required for each IP Trunk that will be used.
Part Number	BE116745
4 Digit Code	5001 x 1

Name	SL2100 IP CHANNEL-16 LIC
Description	1 License is required for each IPLE channel that will be used on the SL2100.
Part Number	BE116744
4 Digit Code	5103 x 16

Name	SL2100 ENCRYPTION LIC
Description	1 License is required to turn this feature on system wide.
Part Number	BE116747
4 Digit Code	0030 x 1

System Licenses

Name	SL2100 REMOTE CONF-01 LIC
Description	1 License is required for each conference group that will be used
Part Number	BE116750
4 Digit Code	0047 x 1

Name	SL2100 VM E-MAIL NOTIFY LIC
Description	1 License is required to turn this feature on system wide.
Part Number	BE116751
4 Digit Code	1013

Name	SL2100 HOTEL LIC
Description	1 License is required to turn this feature on system wide.
Part Number	BE116753
4 Digit Code	0007 x 1

Name	SL2100 PMS LIC
Description	1 License is required to turn this feature on system wide.
Part Number	BE116754
4 Digit Code	0046 x 1

Name	SL2100 MOBILE EXT-01 LIC
Description	1 License is required for each mobile extension port.
Part Number	BE116757
4 Digit Code	5201 x 1

Application Based Licenses

Name	SL2100 XMLPRO LIC
Description	1 License is required to turn this feature on system wide.
Part Number	BE116755
4 Digit Code	0041 x 1

Name	SL2100 3RD CTI LIC
Description	1 License is required to turn this feature on system wide.
Part Number	BE116756
4 Digit Code	0112 x 128

Name	SL2100 WEB VIDEO CNF-01 LIC
Description	1 License is required for each Web Conference user.
Part Number	BE116760
4 Digit Code	0080 x 1

Name	SL2100 ACD P-EVENT LIC
Description	1 License is required to enable the feature.
Part Number	BE117688
4 Digit Code	2101 x 1

3 - Using the LMS

User accounts are created on the LMS that allow a dealer to logon. A Dealer Admin is a role that would be assigned to people within an organisation that are responsible for ordering and administrating licenses. When a license is generated, an email notification is sent to the email address associated with the dealer admin. The dealer admin can carry out the following functions:

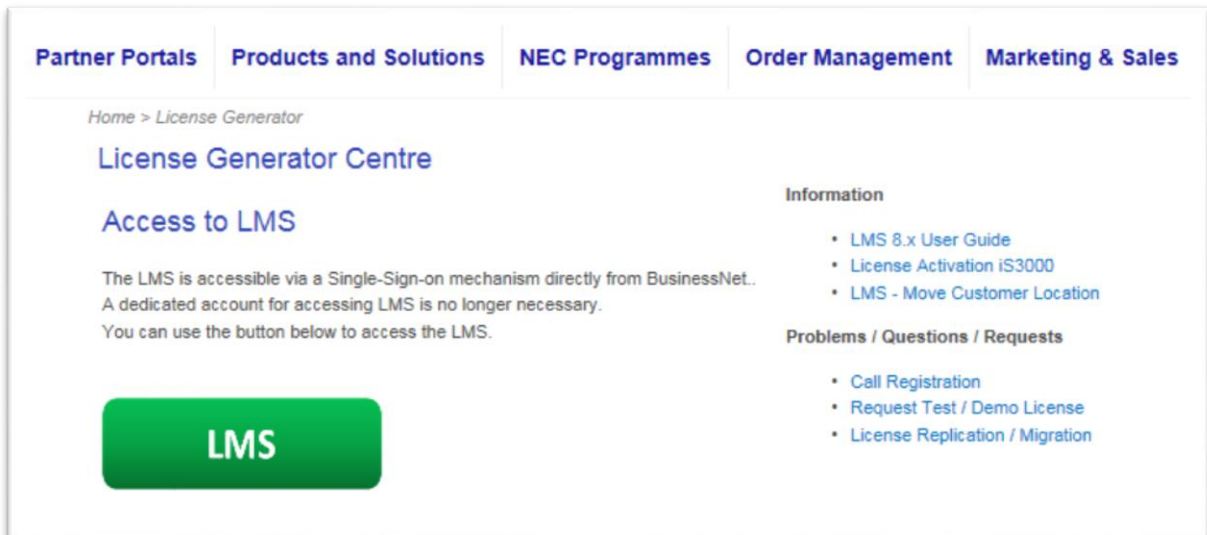
- Add Customers / Hardware Keys to assign licenses to.
- View Available / Activated Licenses
- Lookup and change existing customers details

Logging into the LMS

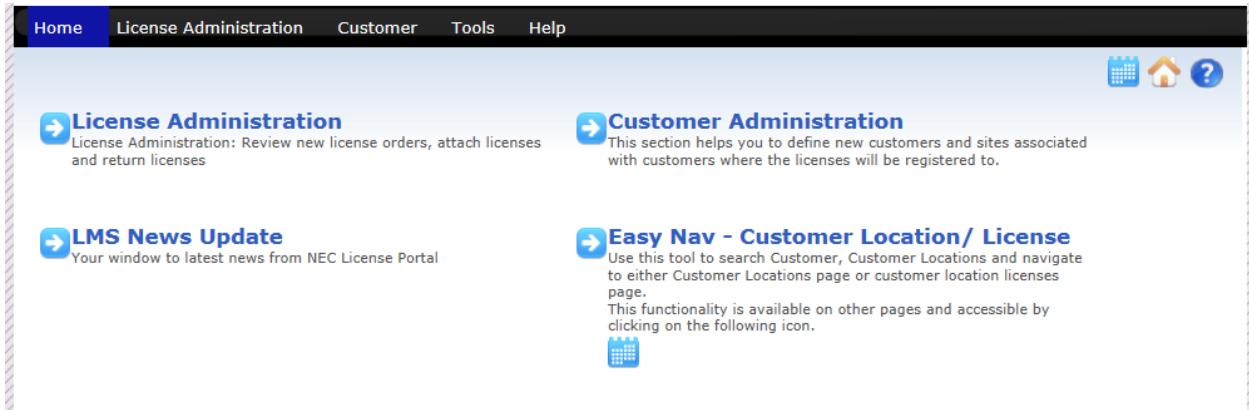
The LMS is accessed via BusinessNet via the Order Management > License Generator page.



Click the green LMS button to login to the LMS.



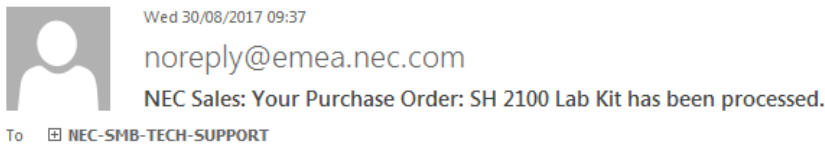
When you login, you are taken to the home screen.



Notification When a license is generated

When a license order is processed, an email notification is sent out to the dealer admin user. The email will contain the purchase order number that was used to order the licenses. The main body of the email will also show the part numbers, names and quantity of each license that was ordered.

As the mail address suggests you should not reply to this email address with any queries, instead contact whomever you ordered the license from. Once this email has been received then it's available for you to use.



Dear Customer,
 Your recent purchase order **SH 2100 Lab Kit** has been processed for the part numbers listed below.
 Please goto to the LMS to access these licenses.

PartNo	Description	Qty
BE116760	SL2100 WEB VIDEO CNF-01 LIC	2
BE116747	SL2100 ENCRYPTION LIC	1
BE116758	SL2100 IN-UC WEB CLIENT-01 LIC	2
BE116744	SL2100 IP CHANNEL-16 LIC	1
BE116745	SL2100 IP TRUNK-01 LIC	2
BE116746	SL2100 IP EXT-01 LIC	2

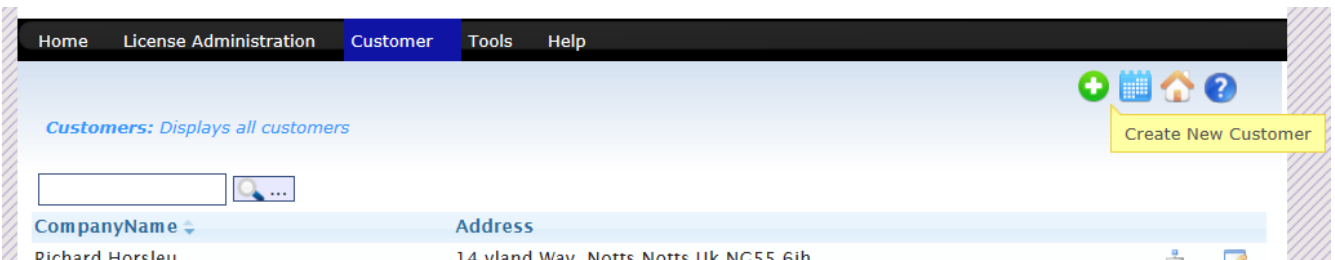
Please note: You will need a login account for **LMS**. If you do not have one please consult with your **NEC Sales Manager**.
 This email was sent to:tech_support@neci.co.uk

Adding a Customer and Hardware Key

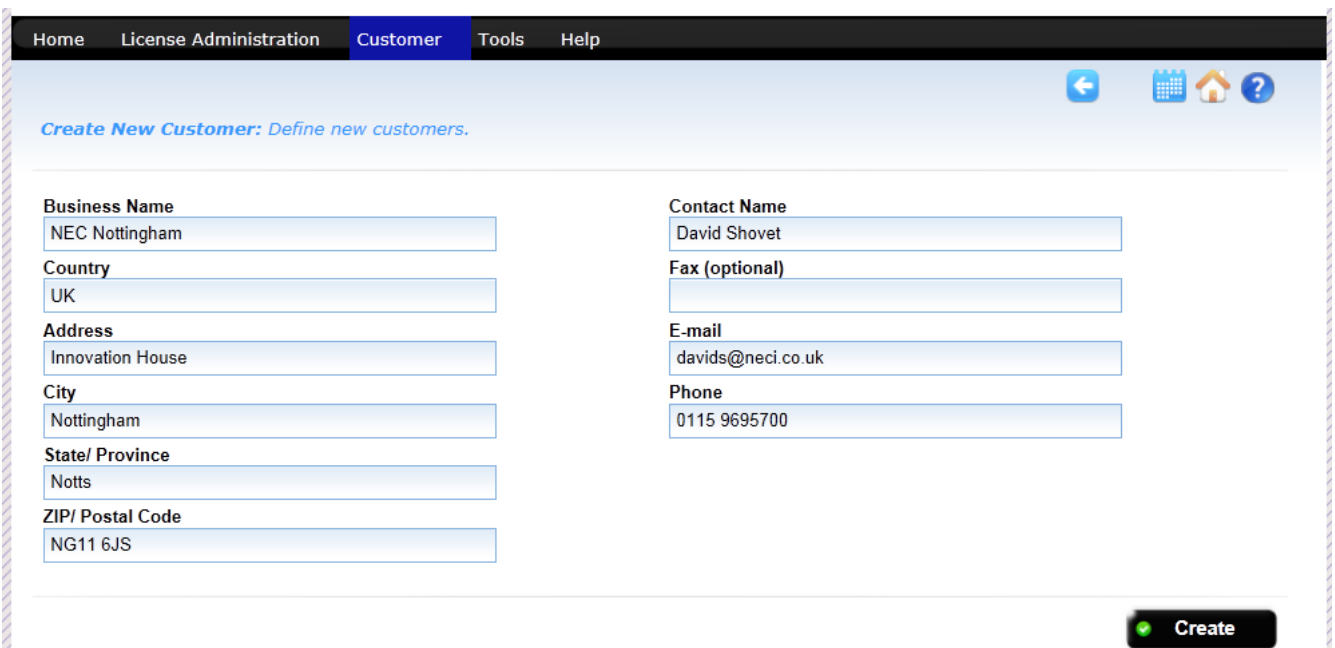
Before a license can be downloaded and installed onto the SL2100, you are required to enter some details about the customer and the hardware key of the CCPU into the LMS. Firstly a customer is created this contains the details of the company, once the company is created then a location can be added that has the hardware key stored against it. If a customer / company has several SL2100's installed in their organisation then these can be added as different locations for that customer. To add a customer, from the homepage, click Customer Administration or click the Customer tab.



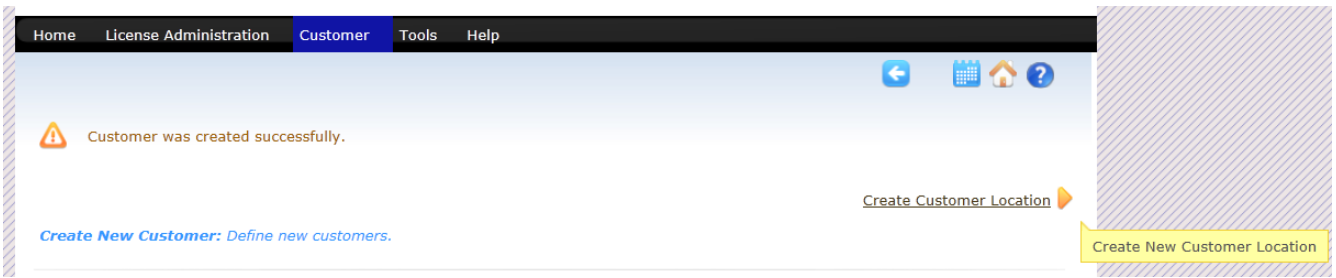
A list of existing customers will be displayed, if you are adding a location for an existing customer then click the location button . The Search box can be used to find existing customers. To add a new customer, click the 'Create New Customer' button.



Enter the customer details of the customer and click 'Create.'



When the customer has been created, you can click 'Create Customer Location' to add a location and hardware key.



Enter the Location name and the hardware key and click create. The hardware key can be found in several different places:

- Printed on the box that the CCPU is shipped in.
- Printed on the Circuit board on the CCPU.
- By pressing Menu 821 on a keyset.
- In PC Pro by connecting to the CCPU and going into the Communication / Feature Activation menu.
- Connect to Web Pro and from the home page click feature activation.

When entering the hardware key, it should be entered as a complete 12 digit number without and spaces or hyphens. When the location is created successfully, licenses can be assigned to the CPU.

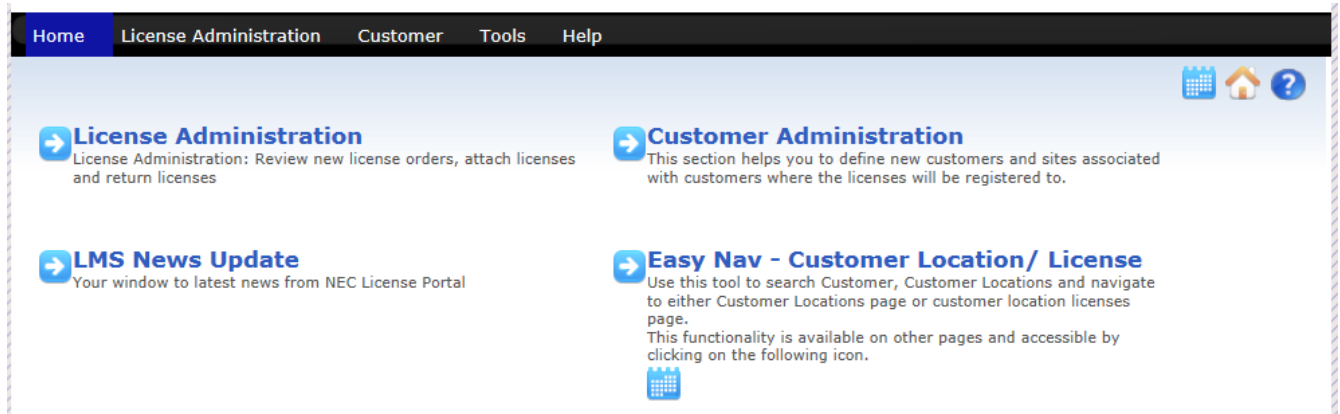
A screenshot of a web form titled 'Create Customer Location'. The form is divided into two columns. The left column contains fields for: Location Name (NEC Nottingham), Address (UK), City (Innovation House), State/ Province (Nottingham), Country (UK), and ZIP/ Postal Code (NG11 6). The right column contains: System (SL2100), Primary Hardware Key Code (3810000394C3), Hardware Version (Optional), Software Version (Optional), Customer Email (David@neci.co.uk), Dealer Email (tech_support@neci.co.uk), Reference Note (Optional), and Verticals (None). At the bottom right of the form is a 'Create' button with a green checkmark icon. At the bottom of the page, there is a footer: 'LMS (DEV V 8.5.0.0) Copyright © 2007 - 2017 NEC Enterprise Communication Technologies, Inc. All Rights Reserved.'

Details for the customer can be checked by clicking back on the Customer tab and searching the customer / company. All locations can be viewed by clicking . Details can be edited / changed by clicking the edit button.




License Administration

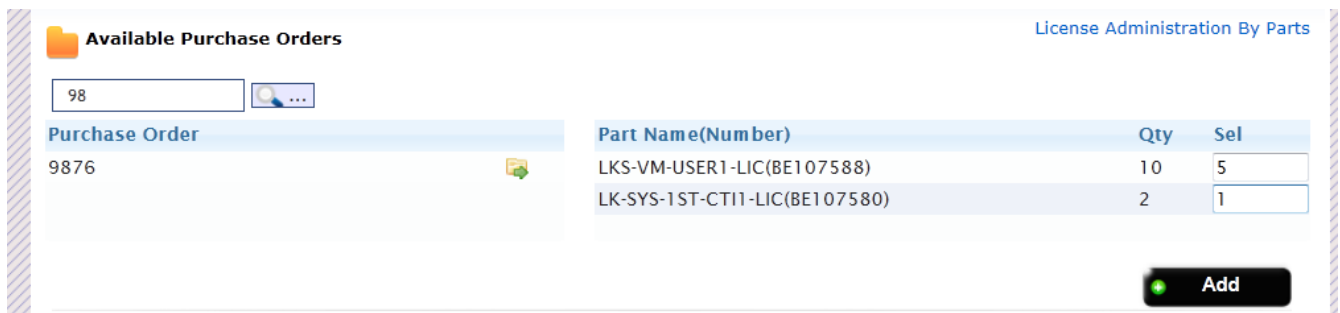
Licenses have to be assigned to a customer and then downloaded and installed on the SL2100. It is possible to ‘attach’ licenses to a customer before they are activated. This allows you to review and double check all licenses that will be assigned to the CPU before activating them. Once licenses are activated then they are permanently assign to the hardware key. From the home page of the LMS logon screen click License Administration.




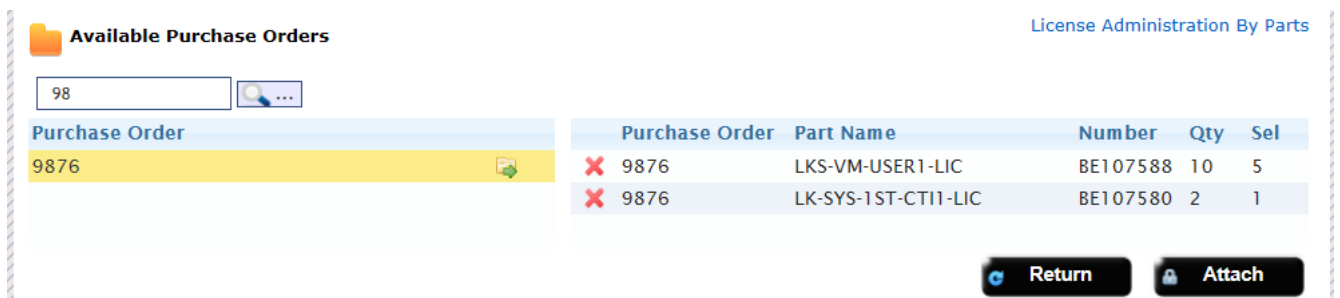
Assigning Licenses to a Customer

Under Available Purchase Orders, you can type in a PO number to search. When you have found the correct PO click the  icon to see the licenses that are available. Enter the quantity of each part number in the ‘Sel’ box that should be assigned to the hardware key and click Add.

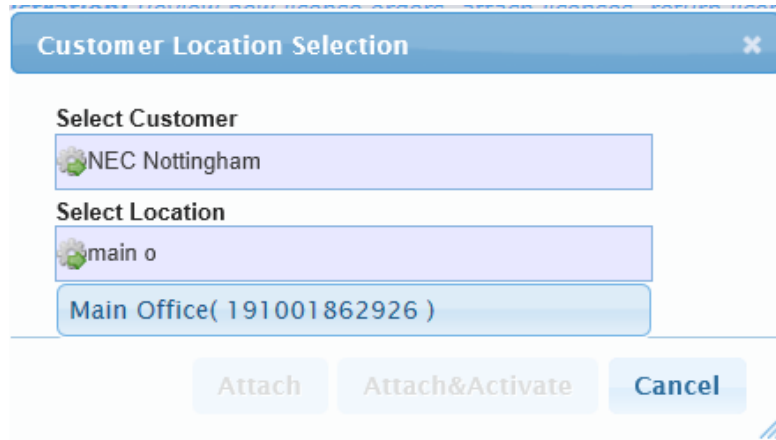
Note! The screenshots in the coming pages show license codes from other platforms. You should only assign relevant licenses to the SL2100.



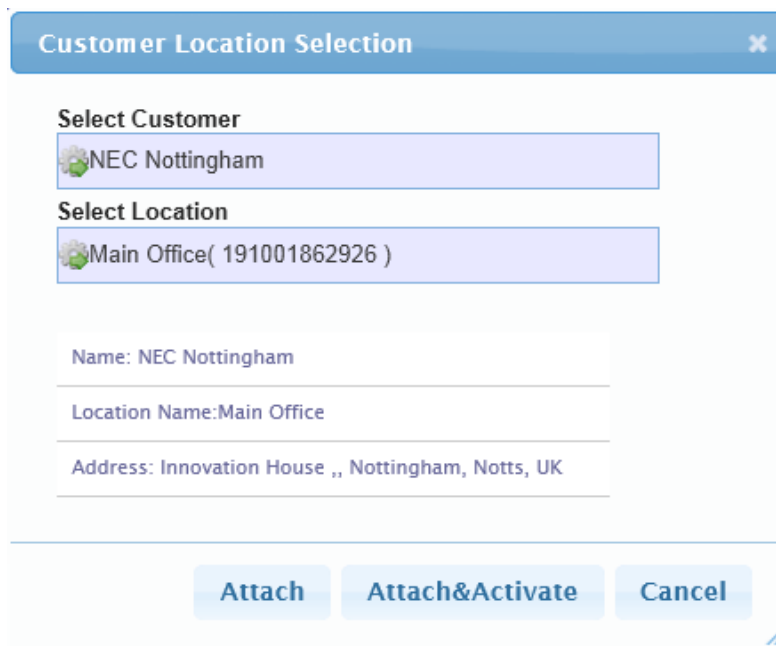
The licenses that have been added will be displayed along with the selected quantity, licenses can be removed from here by clicking the red  icon. To begin the process of attaching and assigning the licenses to a hardware key, click attach.




After clicking Attach, in the Select Customer box type in the customer name that the license will be assigned to. After typing the first 5 characters, a list of matching customers will be displayed. Select the customer and come down to the Select Location box and type in the location name, again a lookup is performed after typing in the first 5 characters. Select the correct location, verifying the correct hardware is selected.



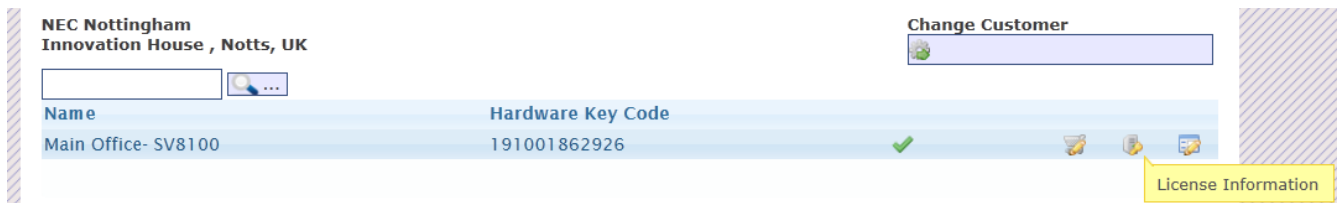
Once both details have been entered, you can choose to either 'Attach' the licenses to the customer or Attach & Activate. Attach will assign the licenses to the customer but not activate them, this gives you the option add more license from a different PO to the hardware key then review and activate all licenses at once. Attach & Activate will take you straight to the screen where you can view the licenses assigned to the CPU ready to download.



If you clicked 'Attach' and wish to add more licenses, you can repeat the procedure '[Assigning Licenses to a Customer](#).' If you have attached licenses to a customer and wish to activate them, from the LMS Home Page, click 'Customer.' You can use the Search box to lookup the customer, to see all locations for this customer click the  button.

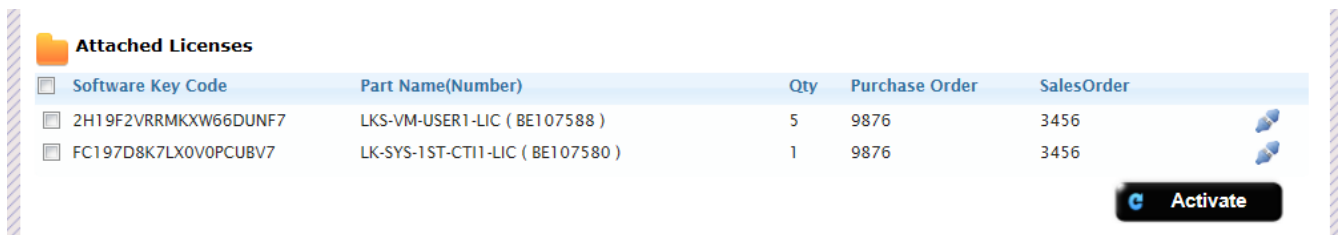


From the list of locations, you can click license information and you will see the attached licenses. These licenses can then be activated.

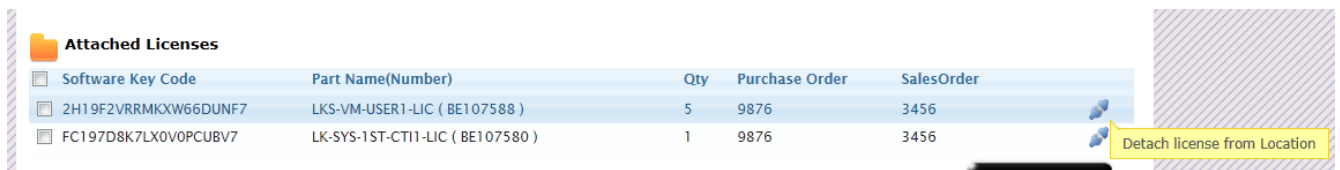


Activating Licenses

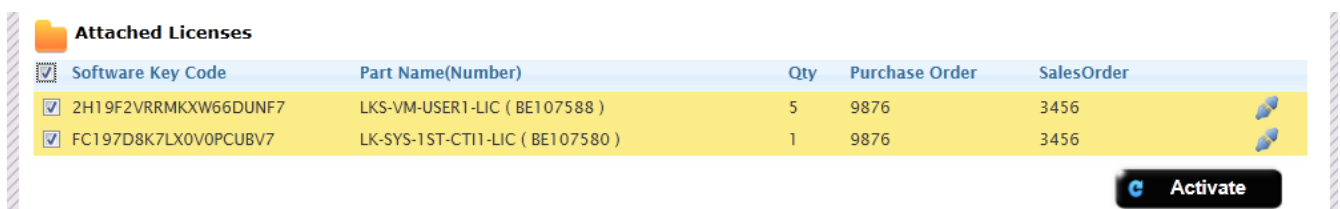
Once a license is activated, it is permanently assigned to the CPU and the action cannot be undone, take care when assigning licenses to make sure they are assigned to the correct customer / hardware key. Always review the quantity of the license to make sure it is correct.



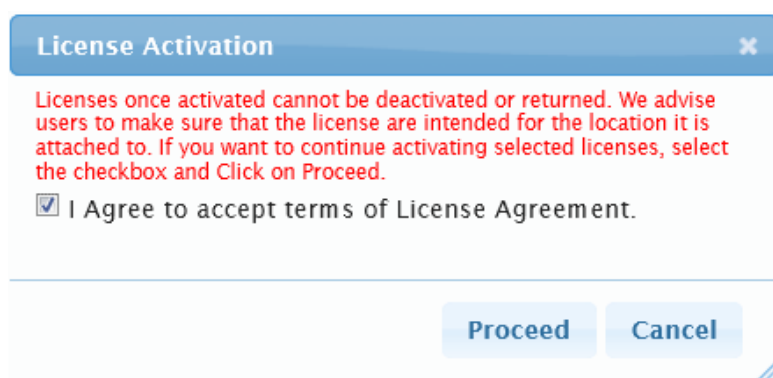
Licenses can be Detached by clicking the icon. Detaching a license will put the licenses back into the pool of available licenses.




To proceed with activating the licenses check either the higher level box to select all licenses or each license can be selected individually, click Activate to continue.



Read the displayed text and to continue, select, I Agree and click Proceed.





The license file will be made available to download, click the  button to download the file. When downloading the file, do not change the first 6 digits of the file name as these have to match the last 6 digits of the hardware key, other characters can be changed.

License Activation
✕

The Following File(s) were available for download:

No.	Name	Download
1	862926W66DUNF7-2.lic	

Note
License File was generated successfully

Proceed
Cancel

Re-Downloading Generated Licenses

Licenses can be re-downloaded at any point from the Customer link, lookup and search for the customer and click the locations button.

Home License Administration Customer Tools Help

Customers: Displays all customers

CompanyName	Address
NEC Nottingham	Innovation House Nottingham Notts UK NG11 6JS

From the list of locations, click the License Information button.

NEC Nottingham
Innovation House , Notts, UK

Name	Hardware Key Code
Main Office- SV8100	191001862926

Change Customer

License Information



To re-download the license file, click Regenerate and follows the steps to re-download the license file.

Activated Licenses

Software Key Code	Part Name(Number)	Qty	Purchase Order	SalesOrder	Activated
2H19F2VRRMKXW66DUNF7	LKS-VM-USER1-LIC (BE107588)	5	9876	3456	05/31/2012
FC197D8K7LX0V0PCUBV7	LK-SYS-1ST-CTI1-LIC (BE107580)	1	9876	3456	05/31/2012


Regenerate

Search Functions


The LMS gives the ability to search for details stored in the LMS, from the Tools menu, you can click Locations. The locations button  will show any licenses assigned to the CPU. The edit button  can be used to change the customer details.

Customer Locations: View and Search Customer Locations based on Name and Hardware Key Code. To search for a specific location, enter the Name or HardwareKeyCode in the Search box.



Location Name	Hardware Key Code		
Remote Office- SV8100	191007191321		
Location name- SV8100	190400001813		
Main Office- SV8100	191001862926		

From the tools menu, you can also select Hardware Key. When you enter the Hardware Key you can pull up the details associated with it. It will display both customer and license details.

Hardware Key Code
 

Customer Details

Customer Name: NEC Nottingham

Location Name: Main Office

Address: Innovation House , Nottingham Notts UK
NG11 6JS

Location Id: N/A

Dealer Details

Dealer Name: Main Office

Address: 14 Byland Way, Loughborough LEICS UK
LE11 4FS

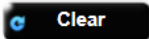
Admin User: Richard Horsley
(rhorsley@neci.co.uk)

Associated Feature

Code	Name	Qty
1013	InMail Email	5
1012	VM Box users	5
CA0025	VM8000 InMail ports	5
0111	1st Party CTI(Ethernet)	1

Associated Licenses

Software Key Code	Part Number-Name	Qty	PO	SO	Status	Date
2H19F2VRRMKXW66DUNF7	LKS-VM-USER1-LIC (BE107588)	5	9876	3456	Activated	05/31/12
FC197D8K7LX0V0PCUBV7	LK-SYS-1ST-CTI1-LIC (BE107580)	1	9876	3456	Activated	05/31/12

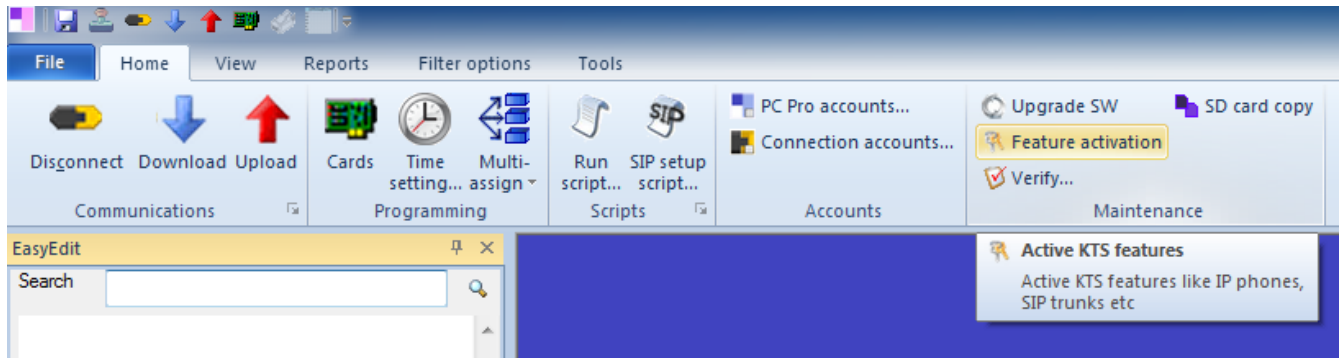


4 - Installing a License on the SL2100

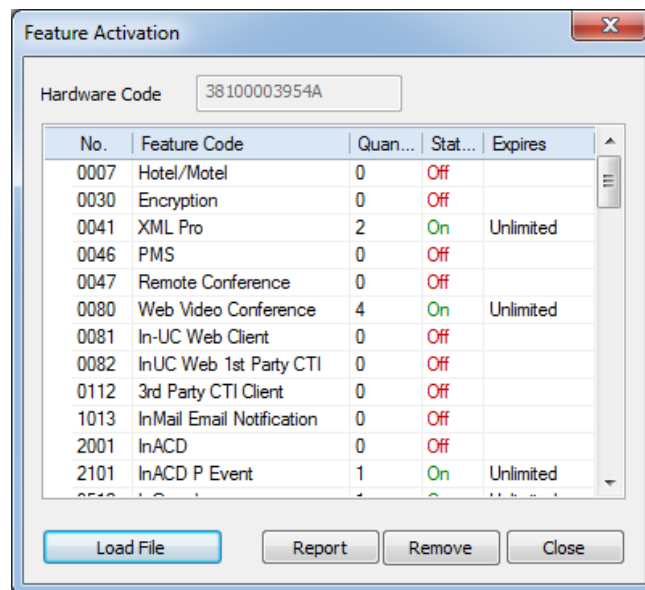
When a license has been downloaded from the LMS it has to be installed on to the SL2100. It can be installed either using PC Pro or Web Pro. Once a license has been installed, if the 60 day trial license is running then it should be turned off. If a real license was installed and the trial was left on then the trial will remain active and continue to countdown.

Using PCPro

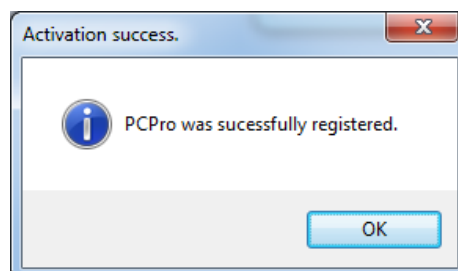
To install a license using PC Pro, you should first connect to the SL2100 using PC Pro, then from the ribbon bar click Feature Activation.



To install the license file, click Load File and browse to the license file.



Once the license file has been installed click OK.



Using WebPro

To install the license file using WebPro, click the Maint icon from the WebPro home page and then click License Upload.

NEC
SL2100
Web Programming

- Session Management
- System Initialization
- Modification History
- Trace Command Control
- System Alarm
- Data Download
- Data Upload
- Software Update
- License Upload

License Upload

Hardware Key Code: 38100003954A

Upload a license file to the SL2100: Browse...

The following features are registered:

Feature No	Group Name	Feature Name	Quantity	Used	Expiry Date
0041	System Features	XML Pro	2	N/A	Never
0080	Client	Web Video Conference	4	N/A	Never
3512	On-Board Apps.	Toll Fraud Guard	1	N/A	Never
5103	IP Related	VoIP Channel	0(16)	N/A	Never
5201	Client	Mobile extension	4	0	Never

NOTE

- 5103(VoIP Channel) : The bracketed quantity is available VoIP channel.

User : tech Access Level : IN Software Ver. : 01.03.03

Click Browse and select the license file downloaded from the LMS. Click Upload to install the license.

License Upload

Hardware Key Code: 38100003954A

Upload a license file to the SL2100: C:\Users\admin\Desktop\03954A8N3KPJDM-3.lic

The following features are registered:

Feature No	Group Name	Feature Name	Quantity	Used	Expiry Date
0041	System Features	XML Pro	2	N/A	Never
0080	Client	Web Video Conference	4	N/A	Never
3512	On-Board Apps.	Toll Fraud Guard	1	N/A	Never
5103	IP Related	VoIP Channel	0(16)	N/A	Never
5201	Client	Mobile extension	4	0	Never

Revision History

Release	Author	Reason
1.0	Richard Horsley	1 st Draft