

MAPS™ SIP-I is licensed either through software licensing or USB hardware dongle. Follow the procedures below as per your purchase order

System Requirements

- Windows® 11/Windows® Server 2016 or above Operating System (64 bit Only).
- Core i7 or above Processor, 8 GB or above RAM, 1 Gigabit Ethernet NIC and USB Ports.
- PCs which include GL hardware/software require Intel or AMD processors for compliance.



Note:

- **Recommended System configuration to achieve full load:** Windows® 11 Operating System, Intel Core i9 Processor and 32GB RAM.
- Make sure that the Firewall on the test system is turned off before placing the calls. Navigate to Control Panel → System & Security → Window Defender Firewall → in the left-pane, click on Turn Windows Defender Firewall on or off → select Turn off Window Defender Firewall (for all network).

Software based licensing (for evaluation only)

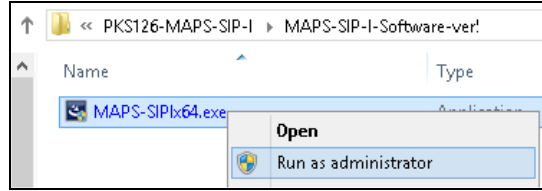
- In case of software-based licensing, the software executables, license installer, and documents can be downloaded from the software licensing web portal (refer to email notification from GL Communications).
- Follow the instructions in the <https://www.gl.com/ses/download/GL-Software-License-Evaluation-Instructions.pdf> to install software license.
- To verify that the purchased licenses are installed correctly, open any web browser from the system on which the software license is installed and type the URL "[http://localhost:1947/ int /products.html](http://localhost:1947/int/products.html)". Click on **Features** and confirm that the following **Product licenses** are listed:
 - PKS126 (MAPS for SIP I)
 - PKS102 (PacketGen RTP Soft Core)*
- ***Note:** Additional licenses may be required for optional applications. Please verify that all licenses purchased are displayed.
- After completing software license installation, right-click on **MAPS-SIPx64.exe** and select **Run as Administrator** option to execute the application in administrator mode. Follow the on-screen instructions to complete the software installation.
- For a basic functional verification, refer to **MAPS-SIP-I-Quick-Verification-Guide**.

USB Dongle based licensing

- If the software is licensed through hardware USB dongle, your shipment will contain a USB Installation Stick (pen drive) with necessary software executables, license installer, and documents.
- Plug-in the USB Installation Stick (pen drive) to the PC
- Navigate to \GL-Dongle-LicenseInstaller folder in installation USB stick and execute GLLdkDongleLicenseInstaller_x64.exe (or GLLdkDongleLicenseInstaller_x86.exe). Follow the on-screen instructions to complete the installation.
- For any issues during the installation, follow hardware dongle licensing procedure mentioned in the <https://www.gl.com/Brochures/Brochures/Installation-Instructions-for-Dongle-Programs.pdf>.
- Once the license installation is completed, plug the dongle to the USB port of your computer. Windows® should install all required drivers automatically. A red light should appear on the dongle indicating that it is functioning correctly from a physical point of view.
- You can verify if the required licenses are installed. Navigate to **C:\Program Files\GL Communications Inc\GLDONGLE** directory, execute **appl_list.exe** and confirm that the following licenses are listed:
 - PKS126 (MAPS for SIP I)
 - PKS102 (PacketGen RTP Soft Core) *

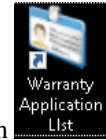
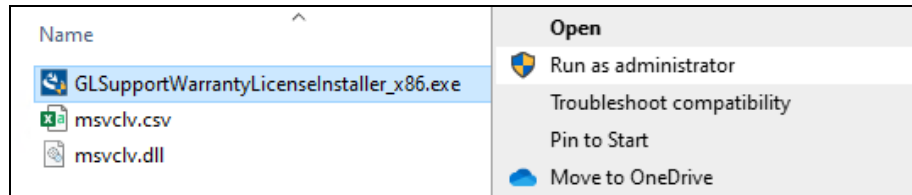
***Note:** Additional licenses may be required for optional applications. Please verify that all licenses purchased are displayed using the **appl_list.exe** utility

- Navigate to **PKS126-MAPS-SIP-I\MAPS-SIP-I-Software-verXX** folder, right-click **MAPS-SIP-Ix64.exe** and select **Run as Administrator**. Follow the onscreen instructions and complete the installation.



Warranty License Installer

- Navigate to root directory in **USB installation stick** (pen drive) to **Warranty_LicenseInstaller** folder, execute **GLSupportWarrantyLicenseInstaller_x86.exe**. Follow the onscreen instructions and complete the installation.



- To confirm that warranty is installed properly, double-click on **Warranty Application List** icon. This will display the list of warranty applications which are purchased.

Licensed Device Types (use selection)		Licensed Features (click on a header to sort)				
software		HW Type	Serial Num/Key ID	FID	FID Description	Version
		software	x7D0XXXX	78	PKS126 SIP-I Protocol Emulation	20.8.1
		software	x7C5XXXX	78	PKS126 SIP-I Protocol Emulation	20.8.1
		software	x7ADXXXX	78	PKS126 SIP-I Protocol Emulation	20.8.1
		software	x7A5XXXX	78	PKS126 SIP-I Protocol Emulation	20.8.1
		software	x781XXXX	78	PKS126 SIP-I Protocol Emulation	20.8.1
		software	x76EXXXX	78	PKS126 SIP-I Protocol Emulation	20.8.1
		software	x70BXXXX	78	PKS126 SIP-I Protocol Emulation	20.8.1
		software	x6F2XXXX	78	PKS126 SIP-I Protocol Emulation	20.8.1
		software	x6B7XXXX	78	PKS126 SIP-I Protocol Emulation	20.8.1

- Users can check the Warranty expiry date in the **Version** column that is **20.8.1** (i.e. 2020 August 1st), and user can verify the date to be as expected (depending on the support warranty purchased).

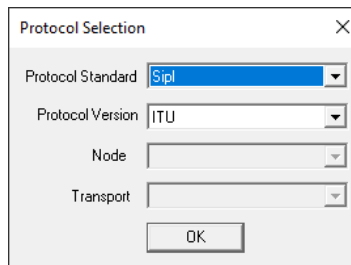
Note: Any latest software updates after warranty period will not be available until warranty licenses are renewed.

Invoking Application

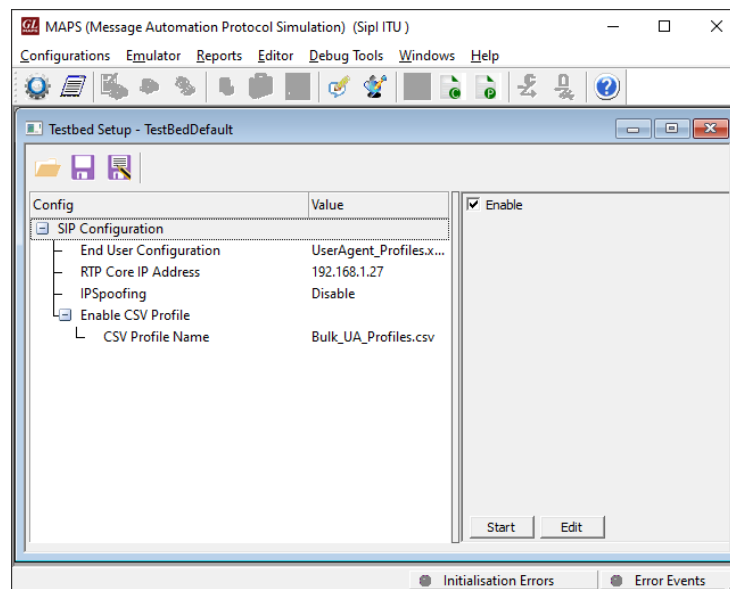
- It is recommended to reboot the system after the software installation.



- Right-click on **MAPS-SIPI** short-cut icon created on the desktop and select ‘**Run as Administrator**’. The application must invoke without any errors. By default, the application displays the protocol selection window.



- On selecting the protocol parameters, the testbed setup window is loaded as shown in below figure.



- By default, the Testbed Setup window automatically displays the RTP Core IP Address, which is the default NIC IP Address on the test PC. **Note:** In case of multiple NIC cards on the PC, user should select the correct IP Address (which is used for testing) from the drop-down.
- Once the testbed starts, MAPS™ tries to initialize SIP and RTP cores internally, which can be verified in the RTP Core console window as shown in the figure below.

The RTP Core console window runs in the background and may not be visible directly. The user must click on the icon in the



taskbar to maximize the RTP Core console window as shown below.

- Initialization of RTP core requires proper license (PKS102) installation.

- From this window, you can confirm that the RTP Application is licensed and that the SIP client is successfully connected to the RTP Core.

```
GL Communication -- RTP [192.168.12.78] : Released on [19.06.20]
GL RTPCORE Is Running At [192.168.12.78:30102]
GL RTPCORE Is Connected To SIP Module[192.168.12.78:56840]
GLDK version 19.6.17.0
GL Software RTP Application Is Licensed
GL Software RTP Application Is Licensed For AMR-NB RTP Sessions
GL Software RTP Application Is Licensed For AMR-WB RTP Sessions
GL Software RTP Application Is Licensed For EVRCB RTP Sessions
GL Software RTP Application Is Licensed For EVRCC RTP Sessions
GL Software RTP Application Is Licensed For EVRC RTP Sessions
GL Software RTP Application Is Licensed For EVS RTP Sessions
GL Software RTP Application Is Licensed For OPUS RTP Sessions
GL Software RTP Application Is Licensed For 120 PassThrough Fax Sessions
GL Software RTP Application Is Licensed For 120 T.38 Fax Sessions
GL Software RTP Application Is Licensed For Video Simulation
GL Software RTP Application Is Licensed For Rtp Voice Quality Monitoring
RTPCORE Initialised_
```

- This completes the successful installation of MAPS™ SIPI application. For a quick self-test procedure, refer to the steps explained in the [MAPS-SIP-I-Quick-Verification-Guide](#) document.
- If you are still having issues or have any other related questions, please contact GL Communications Inc.