

Software and License Installation

START WITH DONGLE UNPLUGGED FROM MACHINE

- Run ..\Dongle License Installer\GLDongleLicenseInstaller_x64.exe from the installation CD provided by GL Communications Inc.
- Plug the dongle to the USB 2.0 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.
- If a previous version of application is already installed, uninstall this program completely, manually delete all the files from the installation directory, and then run the above executable.
- Run *appl_list.exe* available in the C:\Program Files\GL Communications Inc\GLDONGLE directory and confirm that the following licenses are listed:
 - PKS119 (MAPS™ ED137 Telephone)
 - PKS102 (RTP Traffic)*
- Run the *MAPS-ED137-Telephonex64.exe* installer from the Installation CD.
- It is recommended to reboot the system after the software installation.
- Double-click the *MAPS-ED137-Telephone* icon created on the desktop. The application should execute without any errors.

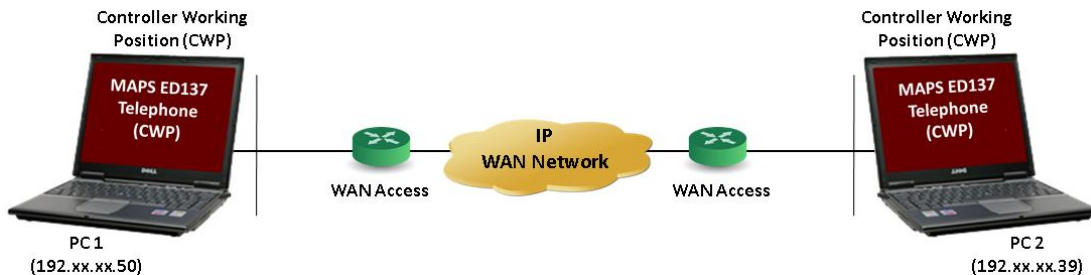
*Note: Please verify that all licenses purchased are displayed in the appl.exe utility.

Verification



Functional verification requires 2 systems for loopback testing using MAPS ED137 Telephone configured as CWP [Controller Working Position] on both the ends.


Invoke the **MAPS-ED137-Telephone** application on PC1 [IP Address 192.xx.xx.50] configured as CWP1 and on PC2 [IP Address 192.xx.xx.39] configured as CWP2.

*Note: ED137 call generator can be any real CWP device supporting ED137 signaling and traffic. In this test scenario, we have used MAPS™ ED137 Telephone (CWP) application to generate and receive calls. Calls can be generated from any of the CWP terminals.






MAPS-ED137-Telephone on PC1

- This instance of **MAPS-ED137-Telephone** performs CWP1 functions (**Call Generator**).
- In the *Test Bed Setup* window that follows, click  and select “**TestBedDefault**” configuration file and verify the following settings:
 - **ED137_Telephone_CWP_Profiles.xml** profile is loaded as the end-user configuration.
 - Set the **RTP Core IP Address** value to invoke RTP core on the selected NIC.
 - Click  **Save** button to save the changes to the same **TestBedDefault** file.
- Invoke *Profile Editor* from *Editor* menu and load “**ED137_Telephone_CWP_Profiles**”. Edit the parameters as per the test requirements.
 - Edit **Contact Address** ---> 0001@192.xx.xx.50 (Enter the PC 1 SIP URI here)
 - Edit **Address of Record** ---> 0001@192.xx.xx.50 (Enter the PC 1 SIP URI here)
 - Edit **To Address** ---> 0001@192.xx.xx.39 (Enter the destination PC 2 or DUT SIP URI here)
 - Edit **RTP IP Address** ---> 192.xx.xx.50 (Enter the PC 1 IP Address here)

- Select the ED137 Call Type -> Priority Direct/Indirect Access Call
- Set Traffic Type -> User defined Traffic
- Set User Defined Traffic Action --> Talk. Click  **Save** button and save the changes to “ED137_Telephone_CWP_Profiles”.
- At this stage, MAPS ED137 Telephone configured as CWP1 is ready to place calls.

MAPS-ED137-Telephone on PC2

- This instance of **MAPS-ED137-Telephone** performs CWP2 functions (**Call Receiver**).
- In the **Test Bed Setup** window that follows, click  and select “**TestBedDefault**” configuration file and verify the following settings:
 - **ED137_Telephone_CWP_Profiles.xml** profile is loaded as the end-user configuration
 - Set the RTP Core IP Address value to invoke RTP core on the selected NIC.
 - Click  **Save** button to save the changes to the same **TestBedDefault** file.
- Invoke **Profile Editor** from **Editor** menu and load “**ED137_Telephone_CWP_Profiles**”. Edit the parameters as per the test requirements.
 - Edit **Contact Address** ---> 0001@192.xx.xx.39 (Enter the PC 2 SIP URI here)
 - Edit **Address of Record** ---> 0001@192.xx.xx.39 (Enter the PC2 SIP URI here)
 - Edit **To Address** ---> 0001@192.xx.xx.50 (Enter the destination PC 1or DUT SIP URI here)
 - Edit **RTP IP Address** ---> 192.xx.xx.39 (Enter the PC 2 IP Address here)
 - Select the **ED137 Call Type** ---> Priority Direct/Indirect Access Call
 - Set **Traffic Type** ---> **User defined Traffic**
 - Set **User Defined Traffic Action** --> **Talk**. Click  **Save** button and save the changes to “ED137_Telephone_CWP_Profiles”.
 - At this stage, MAPS ED137 Telephone configured as CWP2 is ready to receive incoming calls.
- Open **Global Configuration** from “**Configurations**” menu. Set **ED137** to **Enable** and Set **ED137 Node Type** to **CWP**.
- **Start** both the MAPS™ Testbed setup and wait for RTP-Core console window to appear. If the SIP/RTP Core console does not invoke with the MAPS™ TestBed start-up, refer to [Troubleshoot](#) section explained in this document.
- On PC1, select **Emulator > Call Generation** from main menu.
- Select the call instance with **SipCallControl.gls** script and **CWP0001** profile. Click **Start** button to place the call and observe that the call gets connected.
- The call established between the terminals can be verified by referring to the call sequence diagram displayed at any of the CWP call generation or call reception window.

Troubleshoot

- “**Security Error: Application is not licensed**”, if you see this error when you run application it indicates a problem with either your dongle or license file.
 - First verify that the dongle is plugged in and the red light is ON
 - Navigate to **C:\Program Files\GL Communications Inc\GLDONGLE**
 - Run **haspinfohl.exe**. Verify that Status is **OK** and make a note of the Serial #.
 - Run **appl_list.exe**. Verify that there is a line in the table reading **PKS119 MAPS™ ED137 Telephone** with the serial number you noted above.
 - If the dongle does not appear in **haspinfohl.exe**, verify that it appears as a USB device in the Windows Device Manager. If it does not appear even in the device manager, remove the dongle and plug it into a different USB port, preferably one directly on the motherboard.
- If the SIP/RTP Core console does not invoke upon invoking the application, check for the following:
 - RTP Soft Core licenses may not be installed for the dongle used. Run **appl_list.exe** available in the **C:\Program Files\GL Communications Inc\GLDONGLE** directory. Verify that **PKS102 RTP Soft Core** is listed.
 - Verify that the SIP IP Address and RTP IP Address in the testbed configuration is configured with the proper system IP address.
- If you cannot resolve the issues, please contact the appointed technical support person. If you do not know the technical support contact, please reach us at info@gl.com.