

# WARP Plus Quick Start Guide



The following items are included in the WARP Plus package. If any parts are missing, please contact your distributor.

1. WARP Plus Quick Start Guide (this document)
2. WARP appliance



3. Universal power supply (includes country specific AC power cord)



4. If you ordered the GSM Least Cost Routing (LCR) or Local and External IP Survivability feature, one or two GSM modules. Each module comes with a cable and antenna.



## *Before you begin:*

Ensure that you have the following items:

1. Non-VLAN tagged port on the LAN switch
2. Standard Ethernet cable
3. Optional: Zip tie
4. Optional: 3.5 mm audio jack cables
5. Optional: two Pan head screws for wall mounting
6. Optional: small Philips-head screwdriver for installing modules
7. Optional: small pliers for installing modules

## *Hardware Connections*

- Locate the LAN switch associated with the Hosted PBX services and the IP phones.
- Connect the WARP appliance to any available Non-VLAN tagged port with a standard Ethernet cable.
- If required, connect an overhead speaker to the line out port using a 3.5 mm audio jack cable as shown below (paging feature only).
- If required, connect a music source to the line in port using a 3.5 mm audio jack cable as shown below (Music on Hold feature only).



## *Module Installation*

If you ordered the LCR or IP Survivability feature, you must install the GSM module and antenna.

Ensure that the appliance is turned off. You must be grounded with an anti-static wrist strap. Use a screwdriver to remove the screws on each of the side panels on the appliance. Remove the top cover.



Remove the grey panel on the back of the appliance as shown below. Use a small pair of pliers to lever the panel at the left and right upper corners. By hand, push the panel from the front through the slot into the casing. Rotate the panel up and down inside the casing to break the lateral tabs. While rotating the panel, ensure that you do not damage the casing at the top of the slot.



Before installing the module, remove the screws from the posts as shown below.

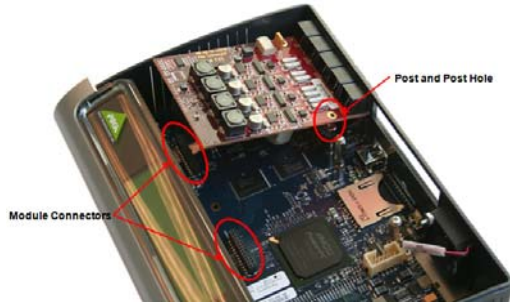


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If only one module is present, it must be installed in the rightmost (when viewed from the back) bay. The black module bay connectors are highlighted in the following picture. Align the module pins with the connector and insert the module into the connector. To secure the module to the base board, set the module on top of the posts on the base board and insert the screws through the gold holes on the module.

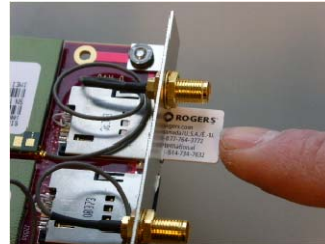
**NOTE: Screws must be used to secure the modules to the base board at all times to provide proper contact for frame grounding.**



## Setting up GSM

The appliance supports GSM wireless connections via two-port GSM modules. Each port supports a single GSM radio and SIM card, which must be inserted into the corresponding external SIM card slot. Do not use the slots on the underside of the module. Both 3.3V and 1.8V SIM cards are supported and you can insert and remove the SIM card while the WARP appliance is running. If you use only one radio, you must use the rightmost (when viewed from the back) radio and SIM slot.

To install a SIM card, slide the card in as shown until it clicks into place.



To remove it, push inwards until you hear a click and it will partially eject so that you can completely remove it from the module.

Each GSM module has two standard SMA threaded connectors for connecting to external corded antennas. The GSM module must be connected to indoor antennas only.

Remove the red dust covers from the antenna connectors.



Fasten the antenna connector to the connector on the GSM module. The pin on the antenna cord must be inserted into the hole of the connector and the cord must be fully fastened to the connector.



Place the antenna in an unobstructed location as far away from the appliance as possible. If the appliance is installed in a cabinet or rack, ensure that you mount the antenna outside of the rack.



## System Startup

The WARP appliance startup sequence takes approximately two minutes. It is ready to use when the LCD shows the title screen.

## LCD

The LCD has the following screens:

- WARP Plus title screen
- IP address screen
- Error codes screen: The screen should show **ERRORS: None**. If not, contact your system administrator for a list of error codes.

Use the toggle button beside the LCD to switch between screens.



Toggle Button