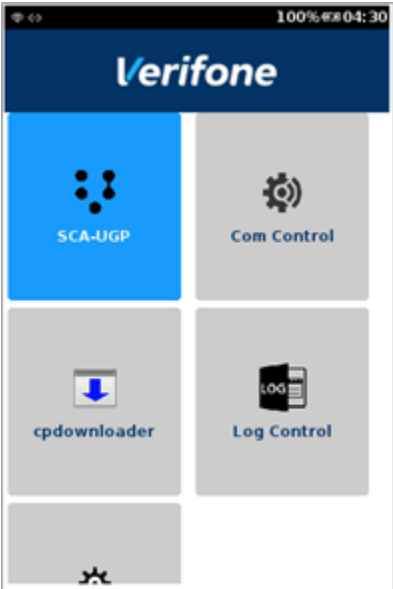
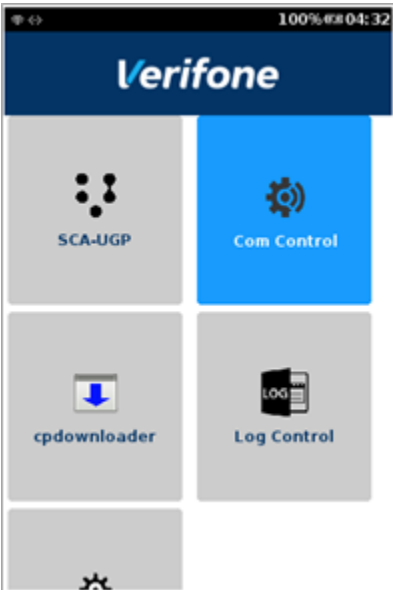


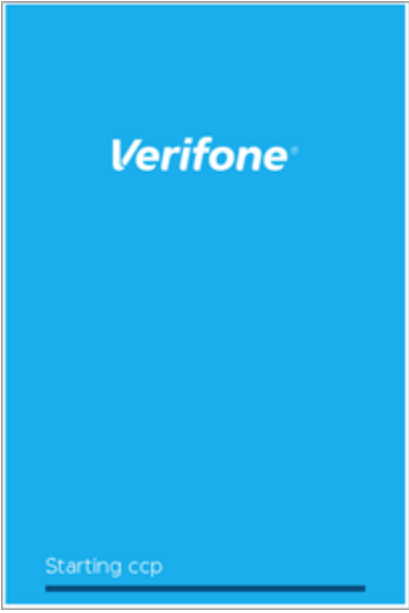
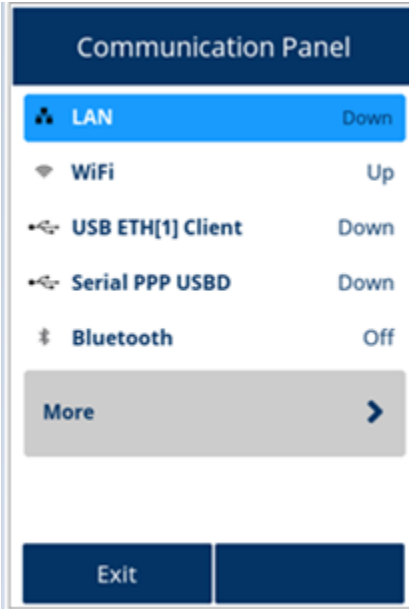
## LAN Configuration

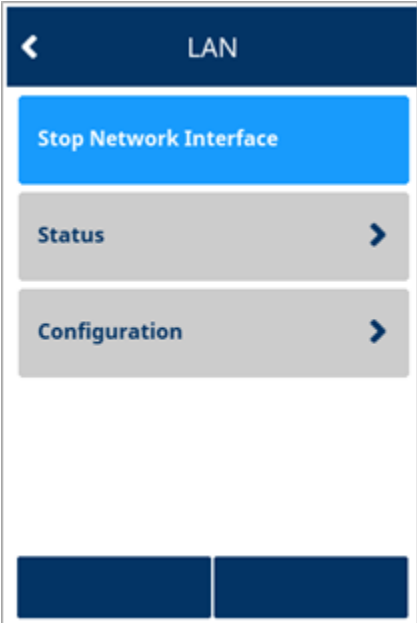
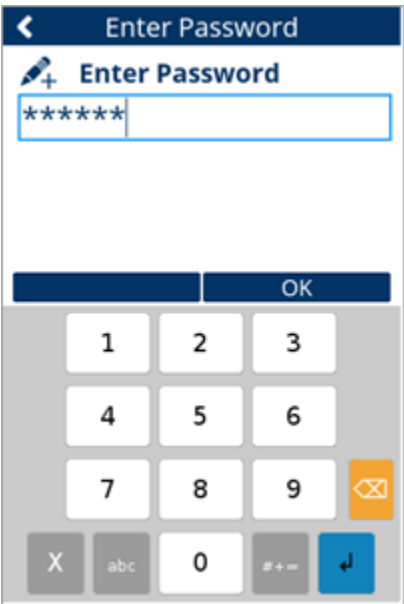
Lan network can be configured in three ways for SCA application, like using Com Control Panel, updating SCA configuration package (ccpupdate.xml file) and downloading parameter using VHQ.

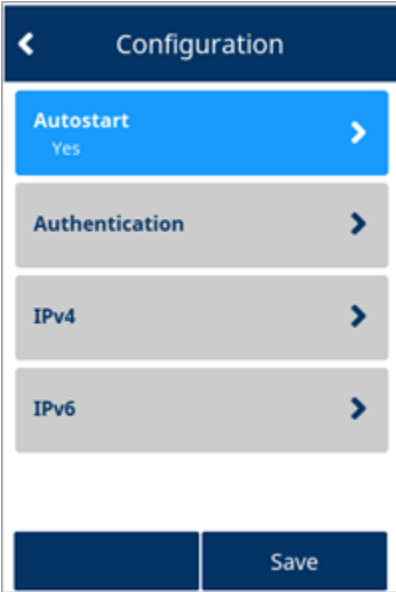

### Configuration Using CCP



The user can configure the network by using Com Control Panel (CCP) and following are the steps to configure:

Display	Steps Detail
	<p>Press <b>1 5 9</b> simultaneously on the device to start the application <b>Mac Menu</b>.</p>
	<p>Select Com Control option.</p>

Display	Steps Detail
 <p>The image shows a blue screen with the Verifone logo in the center. At the bottom left, it says "Starting ccp" with a progress bar below it.</p>	<p>CCP screen is starting.</p>
 <p>The image shows a "Communication Panel" screen. It lists several connection options with their status: LAN (Down), WiFi (Up), USB ETH[1] Client (Down), Serial PPP USB (Down), and Bluetooth (Off). There is a "More" button with a right arrow and an "Exit" button at the bottom.</p>	<p><b>Communication Panel</b> screen displaying the connection status. Select <b>LAN</b> to configure the network.</p>

Display	Steps Detail
	<p><b>LAN</b> configuration page. Select <b>Configuration</b> to configure Network communication.</p>
	<p>Enter password screen is displayed. Enter the required password or reach out to <i>Verifone Contact</i> for actual password and press Ok or Enter.</p>

Display	Steps Detail
 <p>The screenshot shows the 'Configuration' page. At the top is a dark blue header with a back arrow and the text 'Configuration'. Below it are four menu items: 'Autostart' (highlighted in blue with 'Yes' below it), 'Authentication', 'IPv4', and 'IPv6' (all in grey with a right arrow). At the bottom are two buttons: a dark blue button and a grey button labeled 'Save'.</p>	<p><b>Configuration</b> page with the list of actions. <b>Auto start</b> – <b>Yes</b> to start the network automatically. <b>No</b> to stop the network.</p>
 <p>The screenshot shows the 'Configuration' page. At the top is a dark blue header with a back arrow and the text 'Configuration'. Below it are three menu items: 'Autostart' (highlighted in blue with 'No' below it), 'IPv4', and 'IPv6' (all in grey with a right arrow). At the bottom are two buttons: a dark blue button and a grey button labeled 'Save'.</p>	<p>If selected <b>No</b>, then save the change and apply the settings on interface.</p>

Display	Steps Detail
	<p>Select IPv4 option from <b>Configuration</b> page and select <b>Yes</b> for DHCP.</p>
	<p>If DHCP is selected as <b>No</b>, then the user needs to set the Static connection type by providing values for the following and start the network:</p> <ul style="list-style-type: none"> <li>• IP Address</li> <li>• Subnet Mask</li> <li>• Gateway IP Address</li> <li>• DNS1</li> <li>• DNS2</li> </ul>

## SCA Configuration Package

SCA Configuration Package is another process of configuring the network., which is done as part of SCA configuration package provided to each customer. Customer needs to share minimum of the following requirements details with Verifone to create these configuration package

as **ccp\_update.xml**.

**For Static connection type:**

- Static IP
- SSID
- PSK

**For DHCP connection type:**

- SSID
- PSK

Following is the example of **ccp\_update.xml** with configured values.

**Static Connection for Ethernet (LAN)**

```
<data d:action="insert_or_update" xmlns:d="http://www.verifone.com/adk/information-service/action">
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/dhcp_enabled" Value="0"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/netmask" Value="255.255.255.000"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/gateway" Value="192.168.011.001"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/ip_address" Value="192.168.011.015"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/dns_1" Value="192.168.011.001"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/dns_2" Value="192.168.011.001"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/type" Value="lan"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/device_name" Value="ETH0"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/startup_mode" Value="auto"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/timeout" Value="100000"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/ipv4_enabled" Value="1"/>
  <Tag d:condition="*-*-*" Name="com/_internal/default/net/ETH0/ipv6_enabled" Value="0"/>
</data>
```

## SCA Parameters

The other process to configure the WiFi network. This can be performed by downloading SCA parameters, provided in Parameter Definition File (.vpdx) and Parameter Form File (.vpfx) using VHQ. Following are the list of parameters to be enabled to accept Network parameters and apply to ADK through VHQ Parameter Download.

- ADVCOMMSENABLED
- FORCENETWORKCFG
- REBOOTAFTERPARMDLD

Refer to [Application Parameters](#) and [Parameters for LAN Interface](#) sections for the parameter updates on CCP.