

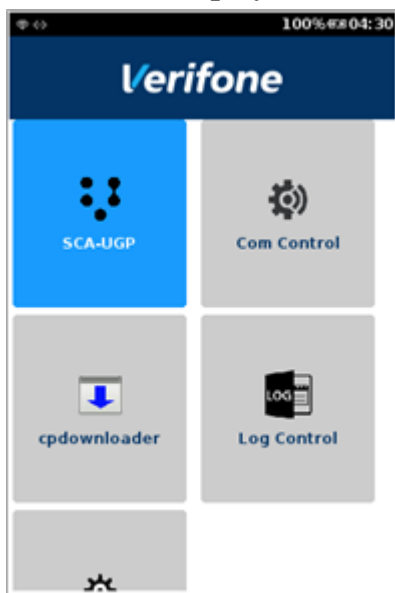
LAN Configuration

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

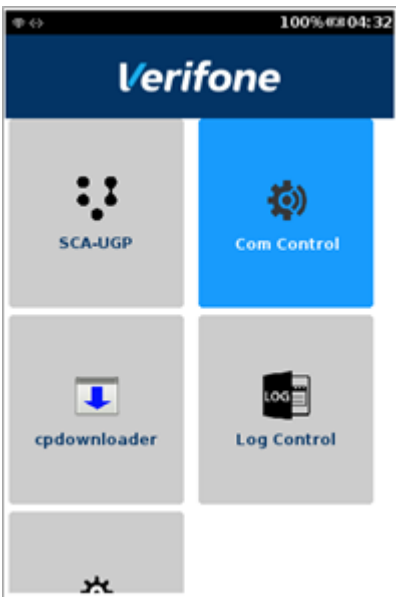


Steps Detail

Press **1 5 9** simultaneously on the device to start the application **Mac Menu**.

Display

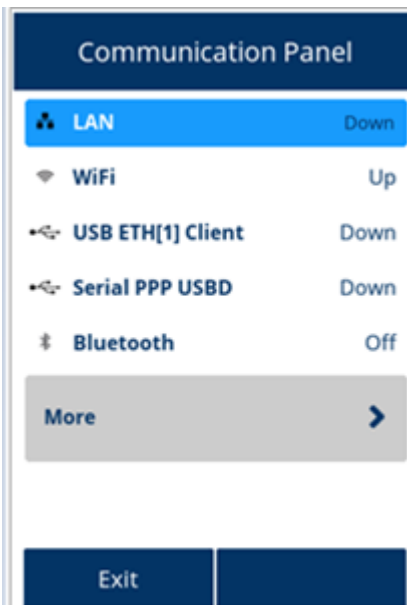
Steps Detail



Select Com Control option.



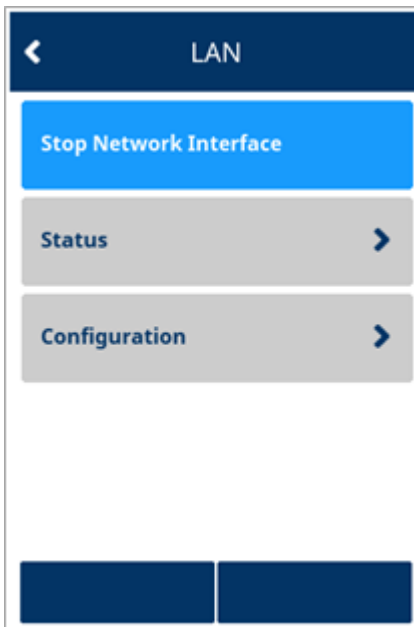
CCP screen is starting.



Communication Panel screen displaying the connection status. Select **LAN** to configure the network.

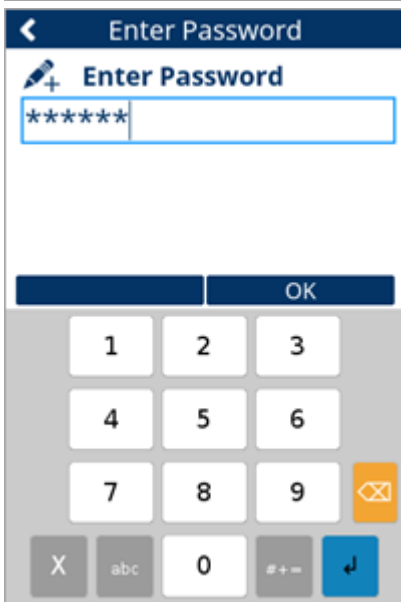
Display

Steps Detail



The image shows the 'LAN' configuration screen. At the top is a dark blue header with a back arrow and the text 'LAN'. Below the header is a blue button labeled 'Stop Network Interface'. Underneath are two grey buttons: 'Status' and 'Configuration', both with right-pointing chevron arrows. At the bottom of the screen are two dark blue rectangular buttons.

LAN configuration page. Select **Configuration** to configure Network communication.



The image shows the 'Enter Password' screen. It has a dark blue header with a back arrow and the text 'Enter Password'. Below the header is a blue button labeled 'Enter Password' with a pencil icon. Underneath is a password input field containing seven asterisks. Below the input field is a numeric keypad with buttons for digits 1-9, 0, and symbols like 'X', 'abc', '#+=', and a blue arrow button. There is also an orange button with a crossed-out envelope icon. At the top right of the keypad area is an 'OK' button.

Enter password screen is displayed. Enter the required password or reach out to *Verifone Contact* for actual password and press Ok or Enter.



The image shows the 'Configuration' screen. It has a dark blue header with a back arrow and the text 'Configuration'. Below the header are four grey buttons: 'Autostart' (with 'Yes' below it), 'Authentication', 'IPv4', and 'IPv6', all with right-pointing chevron arrows. At the bottom of the screen are two dark blue rectangular buttons, the right one of which is labeled 'Save'.

Configuration page with the list of actions. **Auto start** – **Yes** to start the network automatically. **No** to stop the network.

Display

Steps Detail

The screenshot shows a mobile application interface for network configuration. At the top is a dark blue header with a back arrow and the text "Configuration". Below the header are three settings cards: "Autostart" with a value of "No" (highlighted in blue), "IPv4" (grey), and "IPv6" (grey). Each card has a right-pointing chevron. At the bottom of the screen are two dark blue buttons, one of which is labeled "Save".

If selected **No**, then save the change and apply the settings on interface.

The screenshot shows the "IPv4" configuration page. It has a dark blue header with a back arrow and the text "IPv4". Below the header are two settings cards: "Enable IPv4" with a value of "Yes" (highlighted in blue), and "DHCP" with a value of "Yes" (grey). Each card has a right-pointing chevron. At the bottom of the screen are two dark blue buttons.

Select IPv4 option from **Configuration** page and select **Yes** for DHCP.

The screenshot shows the "IPv4" configuration page when DHCP is disabled. It has a dark blue header with a back arrow and the text "IPv4". Below the header are four settings cards: "Enable IPv4" with a value of "Yes" (grey), "DHCP" with a value of "No" (highlighted in blue), "IP Address" (grey), "Subnet Mask" (grey), and "Gateway IP Address" (grey). Each card has a right-pointing chevron. At the bottom of the screen are two dark blue buttons.

If DHCP is selected as **No**, then the user needs to set the Static connection type by providing values for the following and start the network:

- IP Address
- Subnet Mask
- Gateway IP Address
- DNS1
- DNS2

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.