



MDVNS System Information

Basic MDVNS system information can be accessed via the front panel LCD of the SCC5Net Switch. System information includes the version of active firmware, network information (IP Address, Subnet Mask, and Default Gateway), and the LINK status of the Ethernet connection on the back of the SCC5Net Switch.

To access the system information via the front panel LCD of the SCC5Net Switch, execute the following procedures.

1. Using the **Up/Down** and **Ok** buttons on the front of the SCC5Net Switch, navigate to the main menu and select "System Info".
2. Use the **Down** button to scroll through the provided system information.
3. Exit "System Info" by pressing the **Up/Down** buttons until the LCD display reads "Exit". Press the **Ok** button to exit.

Network/Mode Selection

To utilize the video CODEC for a local presentation and/or video conference, select the desired network/mode via the SCC5Net Switch front panel (or third party control system).

Ensure that the SCC Mode Selection Keys (located on the front of each SCC unit) are in the desired position. For daily operation, the SCC units should be set to "No-Capture" mode.

1. Using the **Up/Down** and **Ok** buttons on the front of the SCC5Net Switch, navigate to the main menu and select "Network Select".
2. Use the **Up/Down** buttons to select the desired network/mode you wish to configure the CODEC for, followed by the **Ok** button.
3. When the operation is complete the CODEC will be configured with the settings that were last captured to the associated SCC unit and physically connected to the selected video network.

*Please note that the system configuration (networks vs. modes) will determine if the CODEC is physically connected to a video network after it has been configured by the SCC unit.

Capturing CODEC Configuration Settings

To setup an initial configuration for the video CODEC or modify an existing configuration for a specific network/mode, execute the following steps.

1. Ensure that the Mode Selection Key of the SCC unit assigned to the desired network is in the "Capture" position.
2. Using the buttons on the front of the SCC5Net Switch (or third party control system) select the desired network/mode.
3. Once the system has finished transitioning to the selected network/mode, configure the CODEC with the desired settings using the CODEC web interface and/or the manufacturer provided touch panel.

Please note that passwords and certificates cannot be captured by an SCC unit. Those settings should NOT be entered via the CODEC web or user interface. Refer to the "Video CODEC Passwords & Certificates" section on the other side of this Quick Guide for how to store passwords and certificates for each network.

4. Using the buttons on the front of the SCC5Net Switch (or third party control system) select Off mode.

When the operation is complete:

- a. The CODEC will be in a factory default out of box state and powered off.
- b. All of the CODEC configuration settings for the last selected network/mode that were just configured have been stored in the flash memory of the corresponding SCC unit.
- c. The system will be in Off (standby) mode.

Repeat this procedure for each network/mode that the MDVNS system supports.

Please note that the Mode Selection Key of an SCC unit MUST remain in the "Capture" position in order to capture future configurations changes. If the SCC is set to "No Capture", future changes will NOT be saved.

Please refer to the Freeport Multi-Domain Video Network Switch Integration Guide for more detailed information



Modifying Configuration – Network/Mode Names, Sign Text & Color, etc

The MDVNS system has various settings which can be configured using a web interface.

The system's web interface can be accessed by directing a standard web browser to the IP address of the SCC5Net Switch.

1. Connect your computer to the *ETH* port on the rear of the SCC5Net Switch using a standard Ethernet cable.
2. Ensure that the network settings of your computer are compatible with the MDVNS system components (e.g. Device IP Address = 192.168.5.50, Device Subnet Mask = 255.255.255.0).
3. Open a standard web browser. In the browser address line, enter the IP address of the SCC5Net Switch using the <https://IPAddress> format. The default entry for a Freeport provided SCC5Net Switch would be: <https://192.168.5.95>
5. Log into the SCC5Net Switch web interface using the correct username and password. The default settings provided by Freeport are: *username = sysop, password = freeporitech*
6. Using the tabs on the left side of the interface navigate to the desired sections and enter your information.
7. Use the "Save Configuration" button (located on the bottom of each section) to save any modifications.

Video CODEC Passwords & Certificates

The MDVNS is not capable of capturing CODEC passwords or certificates when leaving a network; however, they can be restored when joining a network. All passwords and certificates must be manually entered and saved to each SCC unit by directing a standard web browser to the IP address of the desired SCC unit and accessing its web server.

1. Ensure that the MDVNS system is in Off (standby) mode.
2. Using the **Up/Down** and **Ok** buttons on the front of the SCC5Net Switch navigate to and select "Maintenance Mode".
3. Use the **Up/Down** buttons to select the desired SCC you wish to connect to, followed by the **Ok** button.
4. Connect your computer to the *Management* port on the rear of that SCC unit using a standard Ethernet cable.
5. Ensure that the network settings of your computer are compatible with the MDVNS system components (e.g. Device IP Address = 192.168.5.50, Device Subnet Mask = 255.255.255.0).
6. Open a standard web browser. In the address line, enter the IP address of the connected SCC unit using the <https://IPAddress> format. For example, the default entry for a Freeport SCC unit would be <https://192.168.5.100>.
7. Log into the SCC unit web interface using the correct username and password. The default settings provided by Freeport are: *username = sysop, password = freeporitech*
8. Using the tabs on the left side of the interface navigate to the desired sections, enter and save your information.
9. Turn Maintenance Mode off by pressing the **Up/Down** buttons on the front of the SCC5Net Switch until the LCD display reads "Exit". Press the **Ok** button to turn off Maintenance Mode and exit to the main menu.

Sanitizing an SCC Unit

To remove ALL video CODEC settings, passwords, and certificates from a specific SCC unit, execute the following steps.

1. Ensure that the MDVNS system is in Off (standby) mode.
2. Using the **Up/Down** and **Ok** buttons on the front of the SCC5Net Switch navigate to and select "Maintenance Mode".
3. Use the **Up/Down** buttons to select the desired SCC you wish to sanitize, followed by the **Ok** button.
4. The selected SCC unit will power on and all LEDs will briefly illuminate. Once the SCC unit initializes the "Power" and the "Loaded" LEDs will illuminate.
5. Press and hold the "Clean" button on the front of the SCC unit for **one (1)** second. The "Proc" LED will illuminate briefly and then turn off.
6. Confirm that the SCC unit has been wiped of ALL CODEC configuration settings for that specific network/mode by verifying that the "Loaded" LED begins to flash. A flashing LED indicates that any SCC related settings have been retained.
7. Repeat steps two through six if you wish to sanitize the CODEC configuration settings of another SCC unit.
8. Turn Maintenance Mode off by pressing the **Up/Down** buttons on the front of the SCC5Net Switch until the LCD display reads "Exit". Press the **Ok** button to turn off Maintenance Mode and exit to the main menu.

Please refer to the Freeport Multi-Domain Video Network Switch Integration Guide for more detailed information