



Switch Configuration Example for Q-SYS™ Platform

Enterasys C5 Series

Important Note

This switch configuration example is intended to serve as a network setup guideline for systems using only Q-LAN audio streaming within your Q-SYS system and should be used alongside the [Q-SYS Q-LAN Networking Overview](#) tech note for deeper setup insight. Keep in mind that QSC is unable to provide live network configuration support for third-party switch configuration. To learn more about network switch qualification services and the plug-and-play Q-SYS NS Series preconfigured network switches, visit <http://www.qsc.com/switches>.

This document applies to these Enterasys switches:

C5G124-24 | C5G124-24P2 | C5G124-48 | CG124-48P2 | CG5K124-24 | C5K124-24P2 | C5K124-48 | C5K124-48P2

Introduction

As of release 5.3.x, Q-SYS Designer software now supports AES67-standard interoperability. The AES67 standard does not prescribe a method of discovery for devices so manufacturers are free to implement one or more discovery services for their devices. In this configuration document, the process uses Bonjour as the discovery method for AES67 devices.

Q-SYS Designer now also offers a selection of Differential Services Code Point (DSCP) setting presets to optimize Quality of Service (QoS) for different types of deployment. DSCP codes are a six-bit value placed in the IP header of data packet, and they instruct a network switch to handle various types of data with defined levels of priority that ensure proper QoS.

Configuration

To configure this switch, use a serial terminal connection to its console port. Connect a null-modem DB9 to DB9 cable between the computer's serial port and the switch; use serial communication settings 9600, n, 8, 1. All configurations required for Q-SYS can be set this way.

1. Boot up the switch. When you see the prompt **Username:**, type **admin** and press **Enter**.
2. At the **Password:** prompt, press **Enter**. The terminal window will show a set of information about the switch and then a **C5(su)->** prompt.

Switch Configuration Example for Q-SYS Platform

Enterasys C5 Series



Restore Factory Defaults (optional)

If the switch has been configured for a different use, you might wish to restore it to its factory defaults.

1. Type **clear config** and press **Enter**. Press **Y** to have the switch reset to factory defaults settings and reboot itself.

Basic Setup

1. To set the switch's IP address, type **set ip address <IP address> mask <subnet mask>** and press **Enter**.
2. If you wish to enable web-based management in the switch, type **set webview enable** and press **Enter**. (This step is optional.)
3. Type **save config** and press **Enter** to save the changes.

Firmware Upgrade (recommended)

1. To view the current firmware version, type **show version** and press **Enter**.
2. Press **Enter** to input a blank user name.
3. Press **Enter** to input a blank password
4. Optional: Restore the switch to factory defaults. This is useful if the login parameters in steps 2 and 3 are incorrect, or if other configurations may have been applied.
 - a. Type **reset system** and press **Enter**.
 - b. Press **Y** to confirm and wait for the switch to reboot. Then restart this procedure from step 1.
5. (optional) Type **config ipif System ipaddress <IP address>/<netmask>** and press **Enter** to assign an IP address for switch web and telnet management
6. Type **config dscp trust all state enable** and press **Enter** to enable DiffServ QoS.
7. Type **save** and press **Enter** to make the changes permanent. The switch is now ready for use with Q-SYS.



© 2018 QSC, LLC. All rights reserved. QSC, and the QSC logo are registered trademarks in the U.S. Patent and Trademark Office and other countries. #44 V.6

