



Command Summary for POS SPAs

Table 11-1 provides an alphabetical list of some of the related commands to configure, monitor, and maintain the 2-Port OC-3c/STM-1 POS SPA, 4-Port OC-3c/STM-1 POS SPA, and 1-Port OC-12c/STM-4 POS SPAs. For more information about the commands, see [Chapter 18, “Command Reference”](#) in this book and the Cisco IOS Release 12.2 command reference and master index publications.

Table 11-1 **Command Summary for POS SPAs**

Command	Purpose
Router(config-if)# aps protect <i>circuit-number ip-address</i>	Configures a Packet over SONET (POS) interface as a protect automatic protection switching (APS) interface.
Router(config-if)# aps working <i>circuit-number</i>	Configures a Packet over SONET (POS) interface as a working APS interface.
Router(config-if)# clock source { <i>line</i> <i>internal</i> }	Specifies the clock source for the POS link.
Router(config-if)# crc [<i>16</i> <i>32</i>]	Specifies the length of the cyclic redundancy check (CRC).
Router(config-if)# encapsulation <i>encapsulation-type</i>	Specifies the encapsulation method used by the interface.
Router(config)# interface pos <i>slot/subslot/port</i>	Specifies a POS interface.
Router(config)# interface sdcc <i>slot/subslot/port</i>	Specifies an SDCC interface.
Router(config-if)# ip address <i>ip-address mask</i> [<i>second-ary</i>]	Specifies a primary or secondary IP address for an interface.
Router(config-if)# keepalive [<i>period</i> [<i>retries</i>]]	Specifies the frequency at which the Cisco IOS software sends messages to the other end of the link, to ensure that a network interface is alive.
Router(config-if)# mtu <i>bytes</i>	Configures the maximum transmission unit (or packet size) for an interface.
Router(config-if)# no shutdown	Enables an interface.
Router(config-if)# pos ais-shut	Sends a line alarm indication signal (AIS-L) to the other end of the link after a shutdown command has been issued to the specified POS interface.
Router(config-if)# pos delay triggers line <i>ms</i>	Specifies a delay for setting the line protocol to down when a line-level trigger alarm is received.

Table 11-1 Command Summary for POS SPAs

Command	Purpose
Router(config-if)# pos delay triggers path <i>ms</i>	Specifies that path-level alarms should act as triggers and specifies a delay for setting the line protocol to down when a path-level trigger alarm is received.
Router(config-if)# pos framing {sonet sdh}	Specifies the POS framing type.
Router(config-if)# pos scramble-atm	Enables SONET payload scrambling.
Router(config-if)# pos threshold [<i>b1-tca</i> <i>b2-tca</i> <i>b3-tca</i> <i>sd-ber</i> <i>sf-ber</i>] <i>rate</i>	Configures the POS bit rate error (BER) threshold values of the specified alarms.
Router(config-if)# sdcc enable	Enables SDCC on the interface and enters SDCC interface configuration mode.
Router# show aps	Displays information about the current APS feature.
Router# show interfaces sdcc <i>slot/subslot/port</i>	Displays configuration information for a SDCC interface.
Router# show controllers pos <i>slot/subslot/port</i>	Displays information POS controllers.
Router# show interfaces pos <i>slot/subslot/port</i>	Displays configuration information and statistics for a POS interface.