



V.120 Access Commands

This chapter describes the commands used to configure ISDN interfaces for use with terminal adapters that use V.120 signaling but that might not send the Low-Level Compatibility message. To configure an ISDN interface for V.120 access, see the “Configuring V.120 Access” chapter in the *Dial Solutions Configuration Guide*.

autodetect encapsulation v120

To enable an ISDN interface to detect the encapsulation type used in incoming calls and to configure itself dynamically, use the **autodetect encapsulation v120** interface configuration command.

autodetect encapsulation v120

Syntax Description

This command has no arguments or keywords.

Default

Disabled

Command Mode

Interface configuration

Usage Guidelines

This command first appeared in Cisco IOS Release 11.2.

Use this command to enable interoperability with ISDN terminal adapters that use V.120 encapsulation but do not signal V.120 in the call Setup message. An ISDN interface that by default answers a call as synchronous serial with PPP encapsulation can change its encapsulation and answer such calls.

Example

The following example configures BRI 0 to call and receive calls from two sites, use Point-to-Point Protocol (PPP) encapsulation on outgoing calls, and use Challenge Handshake Authentication Protocol (CHAP) authentication on incoming calls. This example also enables BRI 0 to configure itself dynamically to answer calls that use V.120 but that do not signal V.120.

```
interface bri 0
  encapsulation ppp
  autodetect encapsulation v120
  no keepalive
  dialer map ip 131.108.36.10 name EB1 234
  dialer map ip 131.108.36.9 name EB2 456
  dialer-group 1
  isdn spid1 0146334600
  isdn spid2 0146334610
  isdn T200 1000
  ppp authentication chap
```

Related Commands

You can use the master indexes or search online to find documentation of related commands.

encapsulation ppp

isdn all-incoming-calls-v120

To configure an ISDN BRI or PRI interface to answer all incoming calls as V.120 when the terminal adapter uses V.120 signaling but does not send the Lower-Layer Compatibility field in Setup messages, use the **isdn all-incoming-calls-v120** interface configuration command.

isdn all-incoming-calls-v120

Syntax Description

This command has no arguments or keywords.

Default

By default, ISDN interfaces answer calls as synchronous serial with PPP encapsulation.

Command Mode

Interface configuration

Usage Guidelines

This command first appeared in Cisco IOS Release 11.2.

Use this command only when you want *all* incoming calls to be answered as V.120. If you want the interface to automatically detect whether the incoming call uses V.120 or PPP encapsulation, use the **autodetect encapsulation** command.

This command applies only when the incoming call originates on an asynchronous device and needs to terminate in an available VTY on the router.

Example

The following partial example shows that BRI 0 is configured to answer all calls as V.120:

```
interface bri 0
  isdn all-incoming-calls-v120
```

Related Commands

You can use the master indexes or search online to find documentation of related commands.

autodetect encapsulation

