



Configuring Downstream Channel IDs

Feature Overview

This feature allows you to configure the downstream channel ID.

Benefits

When modems connect to the cable modem termination system (CMTS), they send the downstream channel ID—not the downstream frequency. By making the channel ID configurable, all modems in a hybrid fiber/coax (HFC) network have unique downstream channel IDs.

Supported Platforms

Cisco uBR7200

Supported MIBs and RFC

None

Configuration Tasks

None

Command Reference

`cable downstream channel-id`

cable downstream channel-id

To configure the downstream channel ID, use the **cable downstream channel-id** configuration command. Use the **no** form of this command to set the downstream channel ID to its default value.

```
cable downstream channel-id id
no cable downstream channel-id
```

Syntax Description

id Specifies a downstream channel ID. Valid values are from 1 to 255.

Default

The unit number of the downstream device.

Command Modes

Config

Command History

Release	Modification
12.0(4)T	This command was introduced.

Usage Guidelines

IOS assigns the default value of each device in the order in which devices appear to the CMTS. IOS configures the first device with a default value of 1, the second device is configured with a value of 2, and so on. By assigning default values in this manner, a single CMTS guarantees unique channel IDs. However, this scheme does not guarantee unique channel IDs when more than one CMTS exists on a network.

Examples

The following example configures channel ID 44:

```
Router7200#cable downstream channel-id 44
```

The next example restores the downstream channel id configuration to the default configuration:

```
Router7200#no cable downstream channel-id
```

