



loopback (T1 interface) through nrzi-encoding

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mdix auto

To enable automatic media-dependent interface with crossover detection, use the **mdix auto** command in interface configuration mode. To turn automatic detection off, use the **no** form of this command.

mdix auto

no mdix auto

Syntax Description This command has no arguments or keywords.

Command Default Enabled

Command Modes Interface configuration (config-if)

Command History	Release	Modification
	12.2(17a)SX	Support for this command was introduced on the Supervisor Engine 720.
	12.2(17d)SXB	Support for this command on the Supervisor Engine 2 was extended to Release 12.2(17d)SXB.
	12.2(33)SRA	This command was integrated into Cisco IOS Release 12.2(33)SRA.

Usage Guidelines This command is supported on all 10/100 and 10/100/1000 modules except for the following modules:

- WS-X6248-RJ45
- WS-X6248-TELCO
- WS-X6348-RJ-45
- WS-X6348-RJ-21
- WS-X6148-RJ-45
- WS-X6148-RJ-21

Examples This example shows how to enable automatic media-dependent interface with crossover detection:

```
Router(config-if) # mdix auto
Router(config-if)
```

This example shows how to disable automatic media-dependent interface with crossover detection:

```
Router(config-if) no mdix auto
Router(config-if)
```

Related Commands

Command	Description
show interfaces	Displays the status and traffic statistics for the interfaces in the chassis.

mdix auto