



# PRBS Command Reference

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This chapter describes the commands to configure the PRBS.

- [controller prbs](#), on page 2
- [show controllers](#), on page 3

# controller prbs

To configure prbs controller use the **controller odu opu prbs mode source pattern** command in the config mode.

**controller odu** *R/S/I/P* **opu prbs mode** *type pattern type*

**no controller odu** *R/S/I/P* **opu prbs mode** *type pattern type*]

Syntax Description	
<b>controller odu</b>	Name of the controller .
<i>R/S/I/P</i>	Displays the Rack/Slot/Instance/Port of the controller.
<b>opu prbs mode</b>	OPU prbs mode.
<b>pattern</b>	Pattern of the source.

**Command Default** None

**Command Modes** Config mode

Command History	Release	Modification
	Release 5.2.4.6	This command was introduced.

**Usage Guidelines** To use this command, you must be in a user group associated with a task group that includes appropriate task IDs. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

Task ID	Task ID	Operation
	odu	write

## Example

The following example shows how to configure prbs.

```
RP/0/RP0:hostnamecontroller odU2 0/15/0/2 opu prbs mode source pattern pn11
```

# show controllers

To display all the details of a PRBS, use the **show controllers** command in the exec mode.

**show controllers** *controller name R/S/I/P* **pm** [**current** | **history**] [**15-min** | **24-hour**] **prbs** *bucket number*

Syntax Description		
	<i>controller name</i>	Displays the name of the controller.
	<i>R/S/I/P</i>	Displays the interface instance of the controller.
	<b>pm</b>	Displays the performance monitoring details of the controller.
	<b>current</b>	Displays the current values of the controller.
	<b>history</b>	Displays the historical values of the controller.
	<b>15-min</b>	Configures the 15 minute time interval for the PM parameters.
	<b>24-hour</b>	Configures the 24 hour time interval for the PM parameters.
	<b>prbs</b>	Configures the prbs.
	<i>bucket number</i>	In case of history, it displays the bucket number.

**Command Default** None

**Command Modes** System Admin EXEC

**Command History**

Release	Modification
5.2.4.6	This command was introduced

**Usage Guidelines** To use these commands in System Admin VM, you must be in a user group associated with appropriate command rules and data rules. If the user group assignment is preventing you from using a command, contact your AAA administrator for assistance.

Task ID	Task ID	Operation
	otn	read

## Example

This example shows how to display the performance parameter of current values tab for 24 hour intervals:

```
RP/0/RP0:hostname # show controllers odu 0/2/0/0 pm current 24-hour prbs
```

This example shows how to display the performance parameter of history values tab for 24 hour intervals:

```
RP/0/RP0:hostname # show controllers odu2 0/4/0/10 pm history 24-hour prbs 1
```