



# Cisco Remote PHY Shelf 7200 Software Image Upgrade

This document describes how to upgrade the software image for the Cisco Remote PHY Shelf 7200.

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## Hardware Compatibility Matrix for Cisco Remote PHY Shelf 7200



**Note** Unless otherwise specified, the hardware components introduced in a given Cisco Remote PHY Shelf 7200 Software Release are supported in all subsequent releases.

*Table 1: Hardware Compatibility Matrix for the Cisco Remote PHY Shelf 7200*

Cisco CMTS Platform	Cisco Remote PHY Shelf 7200
Cisco cBR-8 Converged Broadband Router with Cisco IOS XE Gibraltar 16.10.1 and Later Releases	Cisco Remote PHY Shelf 7200 Software 1.1 and Later Releases Cisco Remote PHY Shelf 7200 <ul style="list-style-type: none"><li>• PID—HA-RPHY</li></ul>

## Information About Software Image Upgrade

You can upgrade the HA Shelf image in these two ways.

- Upgrade from cBR-8
- Upgrade from HA Shelf

You can upgrade one shelf group one at a time or upgrade all shelves at once. You can upgrade software image through HTTP or TFTP. IPv4 and IPv6 are supported.

## How to Upgrade Software Cisco cBR and HA RPHY

### Upgrade HA Shelf Software From Cisco cBR

The RPD software upgrade can be initiated from Cisco cBR-8 router. Use the following commands for initiating the upgrade:

```
cable rpd group {all| group MAC} upgrade ip address {tftp|http} file_name
```

### Upgrade Software from FCC or Primary eRPD

To upgrade software from FCC or primary eRPD, use these commands.

```
upgrade set server ip_address filename file_name transport {tftp|http}
upgrade control show config
upgrade control start
```

## Verifying Software Upgrade

### Verifying Software Upgrade From the Cisco cBR-8 Router

To view the status of the software upgrade from the Cisco cBR-8 router, use the **show cable rpd-upgrade group [all| group id] status** command.

```
Router# show cable rpd-upgrade group all status
GROUP-ID: 7abd.44a1.0000
ServerAddress: 10.74.59.226
Protocol: HTTP
Status: Idle
Filename: bundle/test.itb.sign
```

### Verifying Software Upgrade From FCC or eRPD

To view the status of the software upgrade from FCC or eRPD, use the **upgrade control show status** command.

```
Router# upgrade control show status
Image download aborted.
```

```
Router# upgrade control show status
Downloading image on FCC.
```

## Cancel Software Upgrade

### Cancel Software Upgrade From the Cisco cBR-8 Router

To cancel software upgrade from the Cisco cBR-8 router, use the **cable rpd group all upgrade abort** command.

```
Router# cable rpd group all upgrade abort
Abort software upgrade process successfully.
```

### Cancel Software Upgrade From FCC or eRPD

To cancel software upgrade from FCC or eRPD, use the **upgrade control abort** command.

```
Router# upgrade control abort
Abort software upgrade process successfully.
```

## Examples for Upgrading HA RPHY Software

See examples for the software upgrade from cBR-8 and FCC or Primary eRPD.

### Example: HA RPHY Software Upgrade from Cisco cBR

```
Router# upgrade set server 203.0.113.1 filename bundle/test.itb.sign transport http
Router# upgrade control show config
```

```
file path: bundle/test.itb.sign
server: 203.0.113.1
transport: HTTP
Router# upgrade control start
Router# upgrade control show status.
Downloading image on FCC.
```

```
Router# cable rpd group all upgrade 203.0.113.2 http bundle/test.itb.sign
Router# cable rpd group all upgrade status
This group 0027.900a.4c1a is not HA-Shelf group.
GROUP-ID: 7abd.44a1.0000
ServerAddress: 203.0.113.2
Protocol: HTTP
Status: Image downloading on RPDLC
Filename: bundle/test.itb.sign
```

### Example: HA RPHY Software Upgrade from FCC or Primary eRPD

```
Router# upgrade set server 203.0.113.2 filename bundle/test.itb.sign transport http
Router# upgrade control start
Router# upgrade control show status
Downloading image on FCC.
Router# upgrade control abort
Abort software upgrade process successfully.
Router# upgrade control show status
Image download aborted.
```

```

Router# show cable rpd-upgrade group all status
GROUP-ID: 7abd.44a1.0000
ServerAddress: 203.0.113.2
Protocol: HTTP
Status: Idle
Filename: bundle/test.itb.sign

```

## Feature Information for Software Image Upgrade

Use Cisco Feature Navigator to find information about the platform support and software image support. Cisco Feature Navigator enables you to determine which software images support a specific software release, feature set, or platform. To access Cisco Feature Navigator, go to the <https://cfng.cisco.com/> link. An account on the Cisco.com page is not required.



**Note** The following table lists the software release in which a given feature is introduced. Unless noted otherwise, subsequent releases of that software release train also support that feature.

**Table 2: Feature Information for Software Image Upgrade**

Feature Name	Releases	Feature Information
Software Image Upgrade	Cisco Remote PHY Shelf 7200 Software 1.1	This feature was introduced on the Cisco Remote PHY Shelf 7200 device.