

# Procedure for Copying and Loading Microcode for Point-to-Multipoint Systems

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## Introduction

This document demonstrates the procedure to properly copy and load the microcode for the point-to-multipoint (P2MP) system. Make a note of the default location for this microcode so that you can load it properly if placed elsewhere.

## Prerequisites

### Requirements

Cisco recommends that you have knowledge of these topics:

- Wireless networks
- Command-line usage

Ensure that you have privileged EXEC ("enabled") access on the router you want to examine.

### Components Used

The information in this document is based on these software and hardware versions:

- The uBR7223, uBR7246 and uBR7246VXR products
- Any version of Cisco IOS® Software that supports Fixed Wireless P2MP

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

### Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

## Procedure

Here is a demonstration of the procedure to copy and load microcode. In order to perform this procedure, you must have privileged (or "enabled") access to the router.



```
2 .. unknown 57C14CB9 DB160 16 766041 Feb 12 2001 17:03:09
rhe03-00/fir.001
3 .. unknown 74E959EE 110988 16 219045 Feb 12 2001 17:18:58
rhe03-00/crx.001
4 .. unknown D59E0290 1461B4 16 219052 Feb 12 2001 17:22:11
rhe03-00/ctx.001
5 .. unknown 705F8AF2 193DB4 18 318334 Feb 12 2001 17:26:42
rhe03-00/txdsp.001
6 .. unknown 5E530E71 1BCACC 18 167064 Feb 12 2001 17:32:39
rhe03-00/rxdsp.001
7 .. unknown A36CE2D4 1FCBAC 18 262240 Feb 12 2001 17:35:56
rhe03-00/dsprx.000
8 .. unknown E0C4F73B 1FFE70 20 12868 Feb 12 2001 17:40:07
rhe03-00/pic-idu.000
18612624 bytes available (1965680 bytes used)
```

HEADEND#dir slot0:

Directory of slot0:/

```
1 -rw- 1 Feb 12 2001 17:03:09 rhe03-00
2 -rw- 766041 Feb 12 2001 17:03:09 rhe03-00/fir.001
3 -rw- 219045 Feb 12 2001 17:18:58 rhe03-00/crx.001
4 -rw- 219052 Feb 12 2001 17:22:11 rhe03-00/ctx.001
5 -rw- 318334 Feb 12 2001 17:26:42 rhe03-00/txdsp.001
6 -rw- 167064 Feb 12 2001 17:32:39 rhe03-00/rxdsp.001
7 -rw- 262240 Feb 12 2001 17:35:56 rhe03-00/dsprx.000
8 -rw- 12868 Feb 12 2001 17:40:07 rhe03-00/pic-idu.000
20578304 bytes total (18612624 bytes free)
```

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## Related Information

- [Point-to-Multipoint Products Documentation](#)
- [Wireless Products Support Page](#)
- [Wireless Technology Support Page](#)
- [Technical Support & Documentation – Cisco Systems](#)

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