



# Specifications, Supported Features, and Compatibility Information for Cisco Digital Media Suite

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## Overview

*Cisco Digital Media Suite* (Cisco DMS) is an ecosystem for networked digital video. It is also the collective name for a broad range of hardware products, software products, and accessories that are sold and licensed separately but work together seamlessly. Cisco DMS is a key component of several Cisco portfolios. This guide consolidates information for the full range of Cisco DMS products.

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## Supported Browsers

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## Supported Browsers for Use with Cast

Cisco DMS Release...	Passed Our Tests with This Browser... <sup>1</sup>																			
	Internet Explorer...				Chrome	Firefox...										Safari...				
	6	7	8	9 <sup>2</sup>		1.5	2	3	3.5.3	3.6.6	4	5	6	7	12	2	3	3.12	4	5
On Microsoft Windows (XP or 7) Client Systems																				
5.4.1	N	N	Y	Y	—	N	N	N	N	N	N	N	N	N	Y	—				
5.4.0	N	N	Y	Y		N	N	N	N	N	N	N	N	N	Y					
5.3.6	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N					
5.3.5	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N					
5.3.4	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N					
5.3.0	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N					
5.2.3	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N					
5.2.2.1	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N					
5.2.2	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N					
5.2.1	N	Y	Y	N		N	N	N	Y	N	N	N	N	N	N					
5.2.0	Y	Y	N	N		N	Y	Y	N	N	N	N	N	N	N					
On Apple Mac OS X Client Systems																				
5.4.1	—				—	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y
5.4.0						N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y
5.3.6						N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	N
5.3.5						N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	N
5.3.4						N	N	N	N	Y	Y	N	N	N	N	N	N	Y	Y	N
5.3.0						N	Y	Y	Y	Y	N	N	N	N	Y	Y	Y	Y	N	N
5.2.3						N	Y	Y	Y	Y	N	N	N	N	Y	Y	N	N	N	N
5.2.2.1						N	Y	Y	Y	Y	N	N	N	N	Y	Y	N	N	N	N
5.2.2						N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N
5.2.1						N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
5.2.0						N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
On Linux Client Systems																				
5.4.1	—				—	N	N	N	N	Y	N	N	N	N	—					
5.4.0						N	N	N	N	Y	N	N	N	N						
5.3.6						N	N	N	N	Y	N	N	N	N						
5.3.5						N	N	N	N	Y	N	N	N	N						
5.3.4						N	N	N	N	Y	N	N	N	N						
5.3.0						N	N	N	N	Y	N	N	N	N						
5.2.3						N	N	N	N	Y	N	N	N	N						
5.2.2.1						N	N	N	N	Y	N	N	N	N						
5.2.2						N	N	N	N	Y	N	N	N	N						
5.2.1						N	N	N	Y	N	N	N	N	N						
5.2.0						N	Y	Y	N	N	N	N	N	N						

1 Alongside any supported browser, you must have Java Runtime Environment (JRE) 1.6.0 or later installed.  
 2 32-bit version or 32-bit mode.

## Supported Browsers for Use with Digital Media Designer

Cisco DMS Release...	Passed Our Tests with This Browser... <sup>1</sup>																					
	Internet Explorer...				Chrome	Firefox...												Safari...				
	6	7	8	9 <sup>2</sup>		1.5	2	3	3.5.3	3.6.6	4	5	6	7	12	2	3	3.12	4	5	5.1.1	
On Microsoft Windows (XP or 7) Client Systems																						
5.4.1	N	N	Y	Y	—	N	N	N	N	N	N	N	N	N	Y	—						
5.4.0	N	N	Y	Y		N	N	N	N	N	N	N	N	N	Y							
5.3.6	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N							
5.3.5	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N							
5.3.4	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N							
5.3.0	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N							
5.2.3	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N							
5.2.2.1	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N							
5.2.2	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N							
5.2.1	N	Y	Y	N		N	N	N	Y	N	N	N	N	N	N							
5.2.0	Y	Y	N	N		N	Y	Y	N	N	N	N	N	N	N							
On Apple Mac OS X Client Systems																						
5.4.1	—				—	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y	
5.4.0						N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y	
5.3.6						N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N	
5.3.5						N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N	
5.3.4						N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N	
5.3.0						N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	N	N	
5.2.3						N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	
5.2.2.1						N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N	
5.2.2						N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	
5.2.1						N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	
5.2.0						N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	
On Linux Client Systems																						
5.4.1	—				—	N	N	N	N	Y	N	N	N	N	N	—						
5.4.0						N	N	N	N	Y	N	N	N	N	N							
5.3.6						N	N	N	N	Y	N	N	N	N	N							
5.3.5						N	N	N	N	Y	N	N	N	N	N							
5.3.4						N	N	N	N	Y	N	N	N	N	N							
5.3.0						N	N	N	N	Y	N	N	N	N	N							
5.2.3						N	N	N	N	Y	N	N	N	N	N							
5.2.2.1						N	N	N	N	Y	N	N	N	N	N							
5.2.2						N	N	N	N	Y	N	N	N	N	N							
5.2.1						N	N	N	Y	N	N	N	N	N	N							
5.2.0						N	Y	Y	N	N	N	N	N	N	N							

1 Alongside any supported browser, you must have Java Runtime Environment (JRE) 1.6.0 or later installed.

2 32-bit version or 32-bit mode.

## Supported Browsers for Use with Digital Media Player Device Manager

Cisco DMS Release...	Passed Our Tests with This Browser... <sup>1</sup>																				
	Internet Explorer...				Chrome	Firefox...										Safari...					
	6	7	8	9 <sup>2</sup>		1.5	2	3	3.5.3	3.6.6	4	5	6	7	12	2	3	3.12	4	5	5.1.1
On Microsoft Windows (XP or 7) Client Systems																					
5.4.1	N	N	Y	Y	—	N	N	N	N	N	N	N	N	N	Y	—					
5.4.0	N	N	Y	Y		N	N	N	N	N	N	N	N	N	Y						
5.3.6	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N						
5.3.5	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N						
5.3.4	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N						
5.3.0	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N						
5.2.3	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N						
5.2.2.1	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N						
5.2.2	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N						
5.2.1	N	Y	Y	N		N	N	N	Y	N	N	N	N	N	N						
5.2.0	Y	Y	N	N		N	Y	Y	N	N	N	N	N	N	N						
On Apple Mac OS X Client Systems																					
5.4.1	—				—	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y
5.4.0						N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y
5.3.6						N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N
5.3.5						N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N
5.3.4						N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N
5.3.0						N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	N	N
5.2.3						N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N
5.2.2.1						N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N
5.2.2						N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
5.2.1						N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
5.2.0						N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
On Linux Client Systems																					
5.4.1	—				—	N	N	N	N	Y	N	N	N	N	—						
5.4.0						N	N	N	N	Y	N	N	N	N							
5.3.6						N	N	N	N	Y	N	N	N	N							
5.3.5						N	N	N	N	Y	N	N	N	N							
5.3.4						N	N	N	N	Y	N	N	N	N							
5.3.0						N	N	N	N	Y	N	N	N	N							
5.2.3						N	N	N	N	Y	N	N	N	N							
5.2.2.1						N	N	N	N	Y	N	N	N	N							
5.2.2						N	N	N	N	Y	N	N	N	N							
5.2.1						N	N	N	Y	N	N	N	N	N							
5.2.0						N	Y	Y	N	N	N	N	N	N							

1 Alongside any supported browser, you must have Java Runtime Environment (JRE) 1.6.0 or later installed.

2 32-bit version or 32-bit mode.

## Supported Browsers for Use with Digital Signs

Cisco DMS Release...	Passed Our Tests with This Browser... <sup>1</sup>																				
	Internet Explorer...				Chrome	Firefox...										Safari...					
	6	7	8	9 <sup>2</sup>		1.5	2	3	3.5.3	3.6.6	4	5	6	7	12	2	3	3.12	4	5	5.1.1
On Microsoft Windows (XP or 7) Client Systems																					
5.4.1	N	N	Y	Y	—	N	N	N	N	N	N	N	N	N	Y	—	—	—	—	—	—
5.4.0	N	N	Y	Y	—	N	N	N	N	N	N	N	N	N	Y	—	—	—	—	—	—
5.3.6	N	Y	Y	N	—	N	N	N	N	Y	Y	N	N	N	N	—	—	—	—	—	—
5.3.5	N	Y	Y	N	—	N	N	N	N	Y	Y	N	N	N	N	—	—	—	—	—	—
5.3.4	N	Y	Y	N	—	N	N	N	N	Y	Y	N	N	N	N	—	—	—	—	—	—
5.3.0	N	Y	Y	N	—	N	N	N	N	Y	Y	N	N	N	N	—	—	—	—	—	—
5.2.3	N	Y	Y	N	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.2.2.1	N	Y	Y	N	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.2.2	N	Y	Y	N	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.2.1	N	Y	Y	N	—	N	N	N	Y	N	N	N	N	N	N	—	—	—	—	—	—
5.2.0	Y	Y	N	N	—	N	Y	Y	N	N	N	N	N	N	N	—	—	—	—	—	—
On Apple Mac OS X Client Systems																					
5.4.1	—	—	—	—	—	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y
5.4.0	—	—	—	—	—	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y
5.3.6	—	—	—	—	—	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N
5.3.5	—	—	—	—	—	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N
5.3.4	—	—	—	—	—	N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N
5.3.0	—	—	—	—	—	N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	N	N
5.2.3	—	—	—	—	—	N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N
5.2.2.1	—	—	—	—	—	N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N
5.2.2	—	—	—	—	—	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
5.2.1	—	—	—	—	—	N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
5.2.0	—	—	—	—	—	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
On Linux Client Systems																					
5.4.1	—	—	—	—	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.4.0	—	—	—	—	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.3.6	—	—	—	—	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.3.5	—	—	—	—	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.3.4	—	—	—	—	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.3.0	—	—	—	—	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.2.3	—	—	—	—	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.2.2.1	—	—	—	—	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.2.2	—	—	—	—	—	N	N	N	N	Y	N	N	N	N	N	—	—	—	—	—	—
5.2.1	—	—	—	—	—	N	N	N	Y	N	N	N	N	N	N	—	—	—	—	—	—
5.2.0	—	—	—	—	—	N	Y	Y	N	N	N	N	N	N	N	—	—	—	—	—	—

1 Alongside any supported browser, you must have Java Runtime Environment (JRE) 1.6.0 or later installed.

2 32-bit version or 32-bit mode.

## Supported Browsers for Use with DMM Administration (previously called DMS-Admin)

Cisco DMS Release...	Passed Our Tests with This Browser... <sup>1</sup>																				
	Internet Explorer...				Chrome	Firefox...										Safari...					
	6	7	8	9 <sup>2</sup>		1.5	2	3	3.5.3	3.6.6	4	5	6	7	12	2	3	3.12	4	5	5.1.1
On Microsoft Windows (XP or 7) Client Systems																					
5.4.1	N	N	Y	Y	—	N	N	N	N	N	N	N	N	N	Y	—					
5.4.0	N	N	Y	Y		N	N	N	N	N	N	N	N	N	Y						
5.3.6	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N						
5.3.5	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N						
5.3.4	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N						
5.3.0	N	Y	Y	N		N	N	N	N	Y	Y	N	N	N	N						
5.2.3	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N						
5.2.2.1	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N						
5.2.2	N	Y	Y	N		N	N	N	N	Y	N	N	N	N	N						
5.2.1	N	Y	Y	N		N	N	N	Y	N	N	N	N	N	N						
5.2.0	Y	Y	N	N		N	Y	Y	N	N	N	N	N	N	N						
On Apple Mac OS X Client Systems																					
5.4.1	—				—	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y
5.4.0						N	N	N	N	N	N	N	N	N	Y	N	N	N	N	Y	Y
5.3.6						N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N
5.3.5						N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N
5.3.4						N	N	N	N	Y	Y	N	N	N	N	N	N	N	Y	Y	N
5.3.0						N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	Y	Y	N	N
5.2.3						N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N
5.2.2.1						N	Y	Y	Y	Y	N	N	N	N	N	Y	Y	N	N	N	N
5.2.2						N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N
5.2.1						N	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
5.2.0						N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
On Linux Client Systems																					
5.4.1	—				—	N	N	N	N	Y	N	N	N	N	—						
5.4.0						N	N	N	N	Y	N	N	N	N							
5.3.6						N	N	N	N	Y	N	N	N	N							
5.3.5						N	N	N	N	Y	N	N	N	N							
5.3.4						N	N	N	N	Y	N	N	N	N							
5.3.0						N	N	N	N	Y	N	N	N	N							
5.2.3						N	N	N	N	Y	N	N	N	N							
5.2.2.1						N	N	N	N	Y	N	N	N	N							
5.2.2						N	N	N	N	Y	N	N	N	N							
5.2.1						N	N	N	Y	N	N	N	N	N							
5.2.0						N	Y	Y	N	N	N	N	N	N							

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## Supported Browsers for Use with Show and Share

Cisco DMS Release... <sup>1</sup>	Passed Our Tests with This Browser... <sup>2</sup>																									
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	6	7	8	9		1.5	2	3	3.5.3	3.6.6	4	5	6	7	12	2	3	3.12	4	5	5.1.1					
On Microsoft Windows (XP or 7) Client Systems																										
5.3.0	N	Y	Y	Y	N	N	N	Y	Y	Y	Y	N	N	N	N	—										
5.2.3	N	Y	Y	N	N	N	N	Y	Y	Y	N	N	N	N	N											
5.2.2.1	N	Y	Y	N	N	N	N	Y	Y	Y	N	N	N	N	N											
5.2.2	N	Y	Y	N	N	N	N	Y	Y	Y	N	N	N	N	N											
5.2.1	N	Y	Y	N	N	N	N	Y	Y	N	N	N	N	N	N											
5.2.0	Y	Y	N	N	N	N	Y	Y	N	N	N	N	N	N	N											
On Apple Mac OS X Client Systems																										
5.3.0	—				N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y				
5.2.3					N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y				
5.2.2.1					N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y				
5.2.2					N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y				
5.2.1					N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N				
5.2.0					N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N				
On Linux Client Systems																										
5.3.0															N	N	N	N	Y	N	N	N	N			
5.2.3															N	N	N	N	Y	N	N	N	N			
5.2.2.1															N	N	N	N	Y	N	N	N	N			
5.2.2															N	N	N	N	Y	N	N	N	N			
5.2.1															N	N	N	Y	N	N	N	N	N			
5.2.0															N	Y	Y	N	N	N	N	N	N			

1. Cisco DMS 5.3.0 was the final release that included Show and Share as a component product. All subsequent releases of Show and Share after 5.3.0 were sold and supported separately from Cisco DMS. Those independent releases are outside the scope of what this guide describes.

2. Alongside any supported browser, you must have Java Runtime Environment (JRE) 1.6.0 or later installed.

## Supported Browsers for Use with Show and Share Administration

Cisco DMS Release... <sup>1</sup>	Passed Our Tests with This Browser... <sup>2</sup>																					
	Internet Explorer...				Chrome	Firefox...								Safari...								
	6	7	8	9		1.5	2	3	3.5.3	3.6.6	4	5	6	7	12	2	3	3.12	4	5	5.1.1	
On Microsoft Windows (XP or 7) Client Systems																						
5.3.0	N	Y	Y	Y	N	N	N	Y	Y	Y	Y	N	N	N	N	—						
5.2.3	N	Y	Y	N	N	N	N	Y	Y	Y	N	N	N	N	N							
5.2.2.1	N	Y	Y	N	N	N	N	Y	Y	Y	N	N	N	N	N							
5.2.2	N	Y	Y	N	N	N	N	Y	Y	Y	N	N	N	N	N							
5.2.1	N	Y	Y	N	N	N	N	Y	Y	N	N	N	N	N	N							
5.2.0	Y	Y	N	N	N	N	Y	Y	N	N	N	N	N	N	N							
On Apple Mac OS X Client Systems																						
5.3.0	—				N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y
5.2.3					N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y
5.2.2.1					N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y
5.2.2					N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y
5.2.1					N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N
5.2.0					N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N
On Linux Client Systems																						
5.3.0						N	N	N	N	Y	N	N	N	N	N							
5.2.3						N	N	N	N	Y	N	N	N	N	N							
5.2.2.1						N	N	N	N	Y	N	N	N	N	N							
5.2.2						N	N	N	N	Y	N	N	N	N	N							
5.2.1						N	N	N	Y	N	N	N	N	N	N							
5.2.0						N	Y	Y	N	N	N	N	N	N	N							

1. Cisco DMS 5.3.0 was the final release that included Show and Share as a component product. All subsequent releases of Show and Share after 5.3.0 were sold and supported separately from Cisco DMS. Those independent releases are outside the scope of what this guide describes.
2. Alongside any supported browser, you must have Java Runtime Environment (JRE) 1.6.0 or later installed.



## Supported Browsers for Use with Show and Share Reports

Cisco DMS Release... <sup>1</sup>	Passed Our Tests with This Browser... <sup>2</sup>																						
	Internet Explorer...				Chrome	Firefox...										Safari...							
	6	7	8	9		1.5	2	3	3.5.3	3.6.6	4	5	6	7	12	2	3	3.12	4	5	5.1.1		
On Microsoft Windows (XP or 7) Client Systems																							
5.3.0	N	Y	Y	Y	N	N	N	Y	Y	Y	Y	N	N	N	N	—							
5.2.3	N	Y	Y	N	N	N	N	Y	Y	Y	N	N	N	N	N								
5.2.2.1	N	Y	Y	N	N	N	N	Y	Y	Y	N	N	N	N	N								
5.2.2	N	Y	Y	N	N	N	N	Y	Y	Y	N	N	N	N	N								
5.2.1	N	Y	Y	N	N	N	N	Y	Y	N	N	N	N	N	N								
5.2.0	Y	Y	N	N	N	N	Y	Y	N	N	N	N	N	N	N								
On Apple Mac OS X Client Systems																							
5.3.0	—				N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	Y	Y	
5.2.3	—				N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y
5.2.2.1	—				N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y
5.2.2	—				N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y
5.2.1	—				N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
5.2.0	—				N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
On Linux Client Systems																							
5.3.0						N	N	N	N	Y	N	N	N	N	N								
5.2.3						N	N	N	N	Y	N	N	N	N	N								
5.2.2.1						N	N	N	N	Y	N	N	N	N	N								
5.2.2						N	N	N	N	Y	N	N	N	N	N								
5.2.1						N	N	N	Y	N	N	N	N	N	N								
5.2.0						N	Y	Y	N	N	N	N	N	N	N								

1. Cisco DMS 5.3.0 was the final release that included Show and Share as a component product. All subsequent releases of Show and Share after 5.3.0 were sold and supported separately from Cisco DMS. Those independent releases are outside the scope of what this guide describes.

2. Alongside any supported browser, you must have Java Runtime Environment (JRE) 1.6.0 or later installed.

## Logical Ports That Cisco DMS Components Use

Make sure to keep these logical ports open to traffic exchanged among Cisco DMS components.



**Note**

**Show and Share ports are deprecated after Cisco DMS 5.3.**

Port No.	From	To	Bidir?	Protocol	Description
20	Show and Share	deployment server	N	FTP	Show and Share server deploying content to content hosting location using FTP
20	DMM	DMP	N	FTP	DMM server deploying content to DMP using FTP
20	DMP	FTP server	Y	FTP	transfer of content files
21	Show and Share	deployment server	N	FTP	Show and Share server deploying content to content hosting location using FTP
21	DMM	DMP	N	FTP	DMM server deploying content to DMP using FTP
21	DMP	FTP server	Y	FTP	transfer of content files
22	Show and Share	deployment server	N	SFTP	Show and Share server deploying content to content hosting location using SFTP

Port No.	From	To	Bidir?	Protocol	Description
22	DMM	DMP	N	SFTP	DMM server deploying content to DMP using SFTP
53	DMP	DNS server	N	DNS	DNS services
80	DME	Show and Share	N	HTTP	communication between Show and Share and DME
80	User	Show and Share	N	HTTP	user requesting content from Show and Share
80	User	deployment server	N	HTTP	user requesting content from external server
80	DMP	content server	N	HTTP	
123	DMP	NTP server	Y	NTP	NTP services
139	DMP	content server	N	CIFS	CIFS services
161	SNMP client	DMM	N	SNMP	SNMP services
389	DMM	Active Directory (LDAP)	N	LDAP	user database creation or updates
443	Admin Client	DMP	N	SSL	
443	User	Show and Share	N	HTTPS	
443	User	DMM	N	HTTPS	
445	DMP	content server	N	CIFS	CIFS services
514	DMM	Show and Share	N	syslog	syslog services
514	DMP	syslog server	N	syslog	syslog services
554	User	deployment server	N	RTSP	User requesting WMV streaming from external Windows Media Streaming Server
554	DMP	content server	N	RTSP	DMP requesting WMV streaming from external Windows Media Streaming Server
636	DMM	Active Directory (LDAPS)	N	LDAPS	user database creation or updates
694	DMM primary	DMM secondary	Y		(UDP) Heartbeat for failover health monitoring
695	Show and Share primary	Show and Share secondary	Y		(UDP) Heartbeat for failover health monitoring
843	User	DMM	N		proof of play
843	User	DMM	N		Flash policy server daemon in the DMM user interface, used for edits—such as, adding a DMP to a DMP group. <sup>1</sup>
1935	User	Show and Share	N	RTMP	User requesting Flash or H.264 streaming from Show and Share
1935	User	deployment server	N	RTMP	User requesting Flash or H.264 streaming from external Flash or H.264 streaming server
5432	DMM	Show and Share	Y	PostGRES	PostGRES between DMM and Show and Share
7777	Admin Client	DMP	N	SSL	
7777	DMM	DMP	Y	SSL	
7849	DMM primary	DMM secondary	Y		DRBD (failover)

Port No.	From	To	Bidir?	Protocol	Description
7850	Show and Share primary	Show and Share secondary	Y		DRBD (failover)
8080	User	Show and Share	N	HTTP	User uploading content to Show and Share
8443	DMM	Show and Share	Y	HTTPS	DMM <--> Show and Share peering
8443	User	Show and Share	N	HTTPS	Access to the Show and Share secured GUI
9161			Y	SNMP	SNMP services
9999	DMM	Show and Share	Y		JMX communication
30865	All cluster nodes (Failover)	All cluster nodes (Failover)	Y	CSYNC	synchronize config files between nodes in a cluster (failover).
45001	DMM	Show and Share	Y		inventory/deployment
46001	DMM	Show and Share	Y		inventory/deployment
61616	Show and Share	DMM	Y		Activemq
User Config	User	deployment server	N	HTTP	user requesting content from external server
User Config	DME	media server	Y	HTTP	signaling between DME and media server
User Config	DMP	content server	N	HTTP	

1. When editing problems in the DMM UI are not resolved by rebooting your DMM server, look for software on the client system, including McAfee software, that might have blocked this port.

#### Legend

DME=Digital Media Encoder  
DMM=Digital Media Manager  
DMP=Digital Media Player

## Cisco DMS Servers

- [Component Server Interoperation, page 11](#)
- [Server Platform Support, page 12](#)
- [Server Upgrade Matrixes, page 13](#)

## Component Server Interoperation

Cisco DMS requires that the following software versions be installed respectively on a Cisco *Show and Share* appliance and the DMM appliance that controls it.



#### Note

**Cisco DMS 5.3.0 was the final release that included Show and Share as a component product. Any subsequent releases of Show and Share are sold and supported separately from Cisco DMS. Those independent releases are outside the scope of what this guide describes.**

This Release of...	Works with This Digital Media Manager Release																				
	3.5	3.5.1	4	4.1	4.1.0.40	5	5.0.1	5.0.2	5.0.3	5.1	5.1.1	5.2	5.2.1	5.2.2	5.2.2.1	5.2.3	5.3	5.3.6	5.4	5.4.1	
<b>Cisco Show and Share</b>																					
5.3.7	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
5.3 (MR1)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
5.3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
5.2.3	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N
5.2.2.1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
5.2.2	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
5.2.1	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N
5.2	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N
<b>Cisco Video Portal</b>																					
5.1.1	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N
5.1	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N
5.0.3	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
5.0.2	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
5.0.1	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
5.0	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N
4.1.0.35	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
4.0	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3.5.1	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
3.5	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N

## Server Platform Support

Continual improvements to Cisco DMS bring advanced features, which impel us over time to use ever-more capable server platforms. For this reason, we have obsoleted MCS-Series server models that were no longer sufficient to keep pace with our advancements. See <http://tools.cisco.com/squish/AE5b2>.

Server Appliance	End of Sale Date <sup>1</sup>	Last Date of Support <sup>2</sup>	DMS Support
<b>MCS 7825 Models</b>			
MCS 7825-H2	30-November-2008	30-November-2011	Up to v.5.2.2.x
MCS 7825-H3	13-March-2009	13-March-2012	Up to v.5.2.2.x
<b>MCS 7835 Models</b>			
MCS 7835-H1	13-September-2007	13-September-2010	Up to v.5.2.2.x
MCS 7835-H2	13-March-2009	13-March-2012	Up to v.5.2.2.x

1. The End of Sale (EOS) Date is the last day that a model was offered for sale.
2. Cisco EOS policy requires that all EOS hardware products receive software maintenance updates for a period of three years. This is known as the Last Date of Support.



### Tip

A patch release, Cisco DMS 5.2.2.1, brings many of the bug fixes from our 5.2.3 release to Cisco DMS customers who use MCS-family servers. However, Cisco DMS 5.2.2.1 does not introduce any new features and does not include any support for server failover features.

**What are your product migration options?**

If you use Cisco DMS with MCS-family servers, we recommend that you migrate to Cisco DMS UCS C-Series Rack-Mount servers. These newer servers improve application performance while supporting features and products in new and future Cisco DMS releases. See:

[http://cisco.com/en/US/products/ps6682/products\\_data\\_sheets\\_list.html](http://cisco.com/en/US/products/ps6682/products_data_sheets_list.html).

## Server Upgrade Matrixes

These topics describe server upgrade considerations for platform releases that extend Cisco DMS.

- [Server Upgrades to Cisco DMS 4.0.0](#), page 13
- [Server Upgrades to Cisco DMS 4.1.0](#), page 14
- [Server Upgrades to Cisco DMS 5.0.0](#), page 15
- [Server Upgrades to Cisco DMS 5.0.1](#), page 16
- [Server Upgrades to Cisco DMS 5.0.2](#), page 17
- [Server Upgrades to Cisco DMS 5.0.3](#), page 18
- [Server Upgrades to Cisco DMS 5.1.0](#), page 19
- [Server Upgrades to Cisco DMS 5.1.1](#), page 20
- [Server Upgrades to Cisco DMS 5.2.0](#), page 21
- [Server Upgrades to Cisco DMS 5.2.1](#), page 22
- [Server Upgrades to Cisco DMS 5.2.2](#), page 23
- [Server Upgrades to Cisco DMS 5.2.2.1](#), page 24
- [Server Upgrades to Cisco DMS 5.2.3](#), page 25
- [Server Upgrades to Cisco DMS 5.3.0](#), page 26
- [Server Upgrades to Cisco DMS 5.3.6](#), page 27
- [Server Upgrades to Cisco DMS 5.4.0](#), page 28
- [Server Upgrades to Cisco DMS 5.4.1](#), page 29

## Server Upgrades to Cisco DMS 4.0.0

**Note**


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End-of-Sale and End-of-Life Bulletin for Cisco DMS 4.0—<http://tools.cisco.com/squish/c8D00>.

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**Tip**


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See step-by-step upgrade notes for Cisco DMS 4.0 at <http://tools.cisco.com/squish/715A4>.

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**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 4.0.0...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 3.5	N	—	Y	—	—	—	—	—
Cisco Video Portal 3.5 (500 users)	Y	—	N	—	—	—	—	—
Cisco Video Portal 3.5 (1,000 users)	N	—	Y	—	—	—	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008* — **END OF SALE**
  - *30-November-2011* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007* — **END OF SALE**
  - *13-September-2010* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**

**Server Upgrades to Cisco DMS 4.1.0****Note**

End-of-Sale and End-of-Life Bulletin for Cisco DMS 4.1 — <http://tools.cisco.com/squish/B89d7>.

**Tip**

See step-by-step upgrades notes for Cisco DMS 4.1.0 at <http://tools.cisco.com/squish/ee89e>.

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 4.1.0...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 4.0	N	N	Y	N	—	—	—	—
Cisco Video Portal 4.0 (500 users)	Y	N	N	N	—	—	—	—
Cisco Video Portal 4.0 (1,000 users)	N	N	Y	N	—	—	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008*—**END OF SALE**
  - *30-November-2011*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007*—**END OF SALE**
  - *13-September-2010*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**

**Server Upgrades to Cisco DMS 5.0.0****Note**

End-of-Sale and End-of-Life Bulletin for Cisco DMS 5.0—<http://tools.cisco.com/squish/95d78>.

**Tip**

See step-by-step upgrade notes for all versions of Cisco DMS 5.0.x at <http://tools.cisco.com/squish/66c7F>.

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.0.0...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 4.1	N	N	Y	Y	—	—	—	—
Cisco Video Portal 4.1 (500 users)	Y	Y	N	N	—	—	—	—
Cisco Video Portal 4.1 (1,000 users)	N	N	Y	Y	—	—	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008* — **END OF SALE**
  - *30-November-2011* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007* — **END OF SALE**
  - *13-September-2010* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**

## Server Upgrades to Cisco DMS 5.0.1

**Tip**

See step-by-step upgrade notes for all versions of Cisco DMS 5.0.x at <http://tools.cisco.com/squish/66c7E>.



**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.0.1...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.0	N	N	Y	Y	—	—	—	—
Cisco Video Portal 4.1 (500 users)	Y	Y	N	N	—	—	—	—
Cisco Video Portal 4.1 (1,000 users)	N	N	Y	Y	—	—	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008*—**END OF SALE**
  - *30-November-2011*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007*—**END OF SALE**
  - *13-September-2010*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**

**Server Upgrades to Cisco DMS 5.0.2****Tip**

See step-by-step upgrade notes for all versions of Cisco DMS 5.0.x at <http://tools.cisco.com/squish/66c7F>.

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.0.2...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.0 or 5.0.1	N	N	Y	Y	—	—	—	—
Cisco Video Portal 5.0 or 5.0.1 (500 users)	Y	Y	N	N	—	—	—	—
Cisco Video Portal 5.0 or 5.0.1 (1,000 users)	N	N	Y	Y	—	—	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008* — **END OF SALE**
  - *30-November-2011* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007* — **END OF SALE**
  - *13-September-2010* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**

## Server Upgrades to Cisco DMS 5.0.3

**Tip**

See step-by-step upgrade notes for all versions of Cisco DMS 5.0.x at <http://tools.cisco.com/squish/66c7E>.

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.0.3...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.0.2	N	N	Y	Y	—	—	—	—
Cisco Video Portal 5.0.2 (500 users)	Y	Y	N	N	—	—	—	—
Cisco Video Portal 5.0.2 (1,000 users)	N	N	Y	Y	—	—	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008*—**END OF SALE**
  - *30-November-2011*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007*—**END OF SALE**
  - *13-September-2010*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**

**Server Upgrades to Cisco DMS 5.1.0****Note**

End-of-Sale and End-of-Life Bulletin for Cisco DMS 5.1—<http://tools.cisco.com/squish/b41ff>.

**Tip**

See step-by-step upgrade notes for all versions of Cisco DMS 5.1.x at <http://tools.cisco.com/squish/456B2>.

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.1.0...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.0.2	N	N	Y	Y	—	—	—	—
Cisco Video Portal 5.0.2 (500 users)	Y	Y	N	N	—	—	—	—
Cisco Video Portal 5.0.2 (1,000 users)	N	N	Y	Y	—	—	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008* — **END OF SALE**
  - *30-November-2011* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007* — **END OF SALE**
  - *13-September-2010* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**

## Server Upgrades to Cisco DMS 5.1.1

**Tip**

See step-by-step upgrade notes for all versions of Cisco DMS 5.1.x at <http://tools.cisco.com/squish/456B2>.

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.1.1...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.1	N	N	Y	Y	—	—	—	—
Cisco Video Portal 5.1 (500 users)	Y	Y	N	N	—	—	—	—
Cisco Video Portal 5.1 (1,000 users)	N	N	Y	Y	—	—	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008*—**END OF SALE**
  - *30-November-2011*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007*—**END OF SALE**
  - *13-September-2010*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**

## Server Upgrades to Cisco DMS 5.2.0

**Note**

Cisco DMS 5.2.0 can interoperate with Microsoft Internet Information Server 6.0 for Windows 2003 Enterprise.

**Tip**

See step-by-step upgrade notes for Cisco DMS 5.2.0 at <http://tools.cisco.com/squish/99B16>.

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.2.0...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.1	N	N	Y	Y	—	—	—	—
Cisco Video Portal 5.1 (500 users)	Y	Y	N	N	—	—	—	—
Cisco Video Portal 5.1 (1,000 users)	N	N	Y	Y	—	—	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008* — **END OF SALE**
  - *30-November-2011* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007* — **END OF SALE**
  - *13-September-2010* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**

## Server Upgrades to Cisco DMS 5.2.1

**Note**

- **Cisco DMS 5.2.1 can interoperate with Microsoft Internet Information Server 6.0 for Windows 2003 Enterprise.**
- **Cisco DMS 5.2.1 can interoperate with Microsoft Active Directory Server releases 2000 and 2003.**

**Tip**

See step-by-step upgrade notes for Cisco DMS 5.2.1 at <http://tools.cisco.com/squish/0c208>.

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.2.1...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.2	N	N	Y	Y	Y	N	—	—
Cisco Show and Share 5.2 (Workgroup)	Y	Y	N	N	N	Y	—	—
Cisco Show and Share 5.2 (Enterprise)	N	N	Y	Y	Y	N	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008*—**END OF SALE**
  - *30-November-2011*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007*—**END OF SALE**
  - *13-September-2010*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**

## Server Upgrades to Cisco DMS 5.2.2

**Note**

- **Cisco DMS 5.2.2 can interoperate with Microsoft Internet Information Server 6.0 for Windows 2003 Enterprise.**
- **Cisco DMS 5.2.2 can interoperate with Microsoft Active Directory Server releases 2000 and 2003.**

**Tip**

See step-by-step upgrade notes for Cisco DMS 5.2.2 at <http://tools.cisco.com/squish/7a40F>.

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.2.2...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.2.1	N	N	Y	Y	Y	N	—	—
Cisco Show and Share 5.2.1 (Workgroup)	Y	Y	N	N	N	Y	—	—
Cisco Show and Share 5.2.1 (Enterprise)	N	N	Y	Y	Y	N	—	—

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008* — **END OF SALE**
  - *30-November-2011* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007* — **END OF SALE**
  - *13-September-2010* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**

**Server Upgrades to Cisco DMS 5.2.2.1****Note**

- **Cisco DMS 5.2.2.1 can interoperate with Microsoft Internet Information Server 6.0 for Windows 2003 Enterprise.**
- **Cisco DMS 5.2.2.1 can interoperate with Microsoft Active Directory Server releases 2000 and 2003.**

**Tip**

See step-by-step upgrade notes for Cisco DMS 5.2.2.1 at <http://tools.cisco.com/squish/35a9C>.



**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.2.2.1...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.2.2	N	N	Y	Y	N	N	N	N
Cisco Show and Share 5.2.2 (Workgroup)	N	N	Y	Y	N	N	N	N
Cisco Show and Share 5.2.2 (Enterprise)	Y	Y	N	N	N	N	N	N

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008*—**END OF SALE**
  - *30-November-2011*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007*—**END OF SALE**
  - *13-September-2010*—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009*—**END OF SALE**
  - *13-March-2012*—**END OF SUPPORT**

## Server Upgrades to Cisco DMS 5.2.3

**Note**

- **Cisco DMS 5.2.3 can interoperate with Microsoft Internet Information Server 6.0 for Windows 2003 Enterprise.**
- **Cisco DMS 5.2.3 can interoperate with Microsoft Active Directory Server releases 2000, 2003, and 2008R2.**

**Tip**

See step-by-step upgrade notes for Cisco DMS 5.2.3 at <http://tools.cisco.com/squish/1317A>.

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.2.3...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.2.2	N	N	N	N	Y	N	N	N
Cisco Show and Share 5.2.2 (Workgroup)	N	N	N	N	N	Y	N	N
Cisco Show and Share 5.2.2 (Enterprise)	N	N	N	N	Y	N	N	N

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008* — **END OF SALE**
  - *30-November-2011* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007* — **END OF SALE**
  - *13-September-2010* — **END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009* — **END OF SALE**
  - *13-March-2012* — **END OF SUPPORT**

**Server Upgrades to Cisco DMS 5.3.0****Note**

- **Cisco DMS 5.3.0 can interoperate with Microsoft Internet Information Server 6.0 for Windows 2003 Enterprise.**
- **Cisco DMS 5.3.0 can interoperate with Microsoft Active Directory Server releases 2000, 2003, and 2008R2.**

**Tip**

See step-by-step upgrade notes for Cisco DMS 5.3 at <http://tools.cisco.com/squish/4B602>.

**Legend**

- **Y** = supported
- **N** = not supported
- — = not applicable

This Server Software Release is Upgradable to 5.3.0...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.2.3	N	N	N	N	Y	N	N	Y
Cisco Show and Share 5.2.3 (Workgroup)	N	N	N	N	N	Y	Y	N
Cisco Show and Share 5.2.3 (Enterprise)	N	N	N	N	Y	N	N	Y

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - 30-November-2008—**END OF SALE**
  - 30-November-2011—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - 13-March-2009—**END OF SALE**
  - 13-March-2012—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - 13-September-2007—**END OF SALE**
  - 13-September-2010—**END OF SUPPORT**
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - 13-March-2009—**END OF SALE**
  - 13-March-2012—**END OF SUPPORT**

## Server Upgrades to Cisco DMS 5.3.6

**Note**

- **Cisco DMS 5.3.6 can interoperate with Microsoft Internet Information Server 6.0 for Windows 2003 Enterprise.**
- **Cisco DMS 5.3.6 can interoperate with Microsoft Active Directory Server releases 2000, 2003, and 2008R2.**
- Cisco DMS 5.3.6 can interoperate with Cisco Show and Share 5.3.0 (Workgroup and Enterprise) as well as Cisco Show and Share 5.3.0 MR1 (Workgroup and Enterprise).

**Tip**

See step-by-step upgrade notes for Cisco DMS 5.3.6 at

[http://www.cisco.com/en/US/docs/video/digital\\_media\\_systems/5\\_x/5\\_3/dms/upgrade/guide/536UpgradeGuide.html](http://www.cisco.com/en/US/docs/video/digital_media_systems/5_x/5_3/dms/upgrade/guide/536UpgradeGuide.html).

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.3.6...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.3.0	N	N	N	N	Y	N	N	Y

- Superior equipment replaced the outdated MCS 7825-H2 platform. See <http://tools.cisco.com/squish/24Bb1>.
  - 30-November-2008—END OF SALE
  - 30-November-2011—END OF SUPPORT
- Superior equipment replaced the outdated MCS 7825-H3 platform. See <http://tools.cisco.com/squish/79Fb7>.
  - 13-March-2009—END OF SALE
  - 13-March-2012—END OF SUPPORT
- Superior equipment replaced the outdated MCS 7835-H1 platform. See <http://tools.cisco.com/squish/13e78>.
  - 13-September-2007—END OF SALE
  - 13-September-2010—END OF SUPPORT
- Superior equipment replaced the outdated MCS 7835-H2 platform. See <http://tools.cisco.com/squish/5c06e>.
  - 13-March-2009—END OF SALE
  - 13-March-2012—END OF SUPPORT

**Server Upgrades to Cisco DMS 5.4.0****Note**

- Cisco DMS 5.4.0 can interoperate with Microsoft Internet Information Server 7.2 for Windows Server 2008R2.
- Cisco DMS 5.4.0 can interoperate with Microsoft Active Directory Server releases 2000, 2003, and 2008R2.

**Tip**

See step-by-step upgrade notes for Cisco DMS 5.4 at [http://www.cisco.com/en/US/docs/video/digital\\_media\\_systems/5\\_x/5\\_4/dms/upgrade/guide/54upgrade.html](http://www.cisco.com/en/US/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/54upgrade.html).

**Legend**

- **Y** = supported
- **N** = not supported
- **—** = not applicable

This Server Software Release is Upgradable to 5.4.0...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.3.6	N	N	N	N	Y	N	N	Y
Cisco Digital Media Manager 5.3.0	N	N	N	N	Y	N	N	Y

- Superior equipment replaced the outdated **MCS 7825-H2** platform. See <http://tools.cisco.com/squish/24Bb1>.
  - *30-November-2008*—END OF SALE
  - *30-November-2011*—END OF SUPPORT
- Superior equipment replaced the outdated **MCS 7825-H3** platform. See <http://tools.cisco.com/squish/79Fb7>.
  - *13-March-2009*—END OF SALE
  - *13-March-2012*—END OF SUPPORT
- Superior equipment replaced the outdated **MCS 7835-H1** platform. See <http://tools.cisco.com/squish/13e78>.
  - *13-September-2007*—END OF SALE
  - *13-September-2010*—END OF SUPPORT
- Superior equipment replaced the outdated **MCS 7835-H2** platform. See <http://tools.cisco.com/squish/5c06e>.
  - *13-March-2009*—END OF SALE
  - *13-March-2012*—END OF SUPPORT

## Server Upgrades to Cisco DMS 5.4.1

**Note**

- Cisco DMS 5.4.1 can interoperate with Microsoft Internet Information Server 7.2 for Windows Server 2008R2.
- Cisco DMS 5.4.1 can interoperate with Microsoft Active Directory Server releases 2000, 2003, and 2008R2.

**Tip**

See step-by-step upgrade notes for Cisco DMS 5.4.1 at

[http://www.cisco.com/en/US/docs/video/digital\\_media\\_systems/5\\_x/5\\_4/dms/upgrade/guide/541upgrade.html](http://www.cisco.com/en/US/docs/video/digital_media_systems/5_x/5_4/dms/upgrade/guide/541upgrade.html).

**Legend**

- **Y** = *supported*
- **N** = *not supported*
- **—** = *not applicable*

This Server Software Release is Upgradable to 5.4.1...	... On This Appliance Chassis							
	MCS-7825		MCS-7835			WAVE-574	UCS	
	7825-H2 <sup>1</sup>	7825-H3 <sup>2</sup>	7835-H1 <sup>3</sup>	7835-H2 <sup>4</sup>	7835-H3		C200	C210
Cisco Digital Media Manager 5.4.0	N	N	N	N	Y	N	N	Y

- Superior equipment replaced the outdated MCS 7825-H2 platform. See <http://tools.cisco.com/squish/24Bb1>.
  - 30-November-2008—**END OF SALE**
  - 30-November-2011—**END OF SUPPORT**
- Superior equipment replaced the outdated MCS 7825-H3 platform. See <http://tools.cisco.com/squish/79Fb7>.
  - 13-March-2009—**END OF SALE**
  - 13-March-2012—**END OF SUPPORT**
- Superior equipment replaced the outdated MCS 7835-H1 platform. See <http://tools.cisco.com/squish/13e78>.
  - 13-September-2007—**END OF SALE**
  - 13-September-2010—**END OF SUPPORT**
- Superior equipment replaced the outdated MCS 7835-H2 platform. See <http://tools.cisco.com/squish/5c06e>.
  - 13-March-2009—**END OF SALE**
  - 13-March-2012—**END OF SUPPORT**

## Cisco Digital Media Players

- [DMP Certificate Expiration—CRITICAL HOTFIX AVAILABLE](#), page 31
- [Formatted Capacity of DMP Internal Storage](#), page 32
- [DMP Physical Specifications and Interfaces \(I/O Ports\)](#), page 32
- [DMP Support, by Model, for Asset Types](#), page 36
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- [SSL Encryption Ciphers That DMPs Support](#), page 41
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## DMP Certificate Expiration—CRITICAL HOTFIX AVAILABLE

[CSCty22538](#)

Communication can fail between Cisco Digital Media Manager (DMM) and its inventory of Cisco Digital Media Players (DMPs). In an affected deployment, error messages indicate that digital certificate expiration is the root cause.

Model	Certificate Expiration Date by DMP Firmware Release									
	5.2	5.2.1	5.2.2	5.2.2.1	5.2.2.3	5.2.3	5.2.3.2	5.3	5.3.4	5.3.5
DMP 4305G	2012-02-24		N.A.	N.A.	OK 2037-12-18	2012-02-24	N.A.	2012-02-24	N.A.	OK 2037-12-18
DMP 4310G	N.A.	N.A.	2012-02-24			2012-02-24	2021-10-18	2012-02-24	2021-10-18	
DMP 4400G	2012-02-24	2013-08-29				2013-08-29	N.A.	2013-08-29		

### HOTFIX

You can recover from these communication failures in 10 minutes or less by loading a hotfix on your DMM server. See <http://cisco.com/web/software/282100271/56598/DMM-patch-CSCty22538-Readme.txt>.

- The hotfix also works around a related failure, in which DMP certificate expiration disrupts use of a DMM advanced task called “File Transfer to DMP” (CSCty23792).
- The hotfix DOES NOT improve disrupted IP phone-based remote control of the Cisco Cast electronic program guide (CSCty36771).

**The hotfix is fragile. IF YOU DO NOT use the permanent solution described below, any future upgrade of your DMM server could cause it to lose contact again with your affected DMPs. In such cases, you must then REAPPLY the hotfix.**

### PERMANENT FIX

You can prevent these communication failures altogether by installing DMP firmware release 5.3.5, which resolves these known defects: CSCty22538, CSCty23792, and CSCty36771.

**Note** To download this DMP firmware, you must have a valid service contract associated to your Cisco.com profile. If you do not have a service contract you can get one through your Cisco account team, your Cisco partner, or a qualified Cisco reseller. Then, once you have the service, you must associate it to your Cisco.com user ID at [https://tools.cisco.com/RPF/profile/edit\\_entitlement.do?Tab=3](https://tools.cisco.com/RPF/profile/edit_entitlement.do?Tab=3).

1. Apply the hotfix to your DMM server, if you have not already done so. Otherwise, it cannot direct your DMPs to install their new firmware.
2. Obtain the new DMP firmware.
  - a. Log in to your Cisco.com account, and then go to <http://cisco.com/cisco/software/navigator.html?mdfid=280936311&flowid=21001>.
  - b. Click your DMP model in the Cisco Digital Media Players list.
  - c. Click **Expand All** in the versions tree, and then click **5.3.5**.
  - d. Click **Download**.
3. Install the new DMP firmware, as described in your Cisco DMS upgrade guide at [http://cisco.com/en/US/products/ps6681/prod\\_installation\\_guides\\_list.html](http://cisco.com/en/US/products/ps6681/prod_installation_guides_list.html).

## Formatted Capacity of DMP Internal Storage



Caution

Do not open a DMP.

Internal storage is formatted to this capacity.

DMP Model	Storage Medium	Formatted Capacity	Available Capacity
DMP 4305G	CF	2 GB	0.9 GB
DMP 4310G	SSD	32 GB	30.9 GB
DMP 4400G	SD	4 GB	2.9 GB

### Related Topics

- [DMP Support, by Model, for USB Local Storage, page 37](#)

## DMP Physical Specifications and Interfaces (I/O Ports)

Table 1 on page 33 describes the connectors, sensors, and buttons on each DMP model.

### DMP 4305G



<b>Width:</b> 7.5 in (190 mm)	<b>Height:</b> 1.5 in (38 mm)	<b>Depth:</b> 5 in (127 mm)	<b>Weight:</b> 1 lb (0.45 kg)
<b>Power Consumption:</b> 12W peak and 5W average		<b>Input Current:</b> 3 ADC	<b>Internal Disk:</b> 2GB CF EXT2

### DMP 4310G



<b>Width:</b> 7.5 in (190 mm)	<b>Height:</b> 1.5 in (38 mm)	<b>Depth:</b> 5 in (127 mm)	<b>Weight:</b> 1 lb (0.45 kg)
<b>Power Consumption:</b> 12W peak and 8W average		<b>Input Current:</b> 2 ADC	<b>Internal Disk:</b> 32GB SSD EXT2



## DMP 4400G



<b>Width:</b> 10 in (254 mm)	<b>Height:</b> 2 in (51 mm)	<b>Depth:</b> 8 in (203 mm)	<b>Weight:</b> 4.4 lb (2 kg)
<b>Power Consumption:</b> 30W peak and 15W average <sup>1</sup>		<b>Input Current:</b> 3 ADC	<b>Internal Disk:</b> 4GB SD EXT2

1. On PoE, consumption is constant at 15.4W.

**Table 1** DMP Physical Interfaces

Category and Subcategory		Chassis Label	DMP 4305G	DMP 4310G	DMP 4400G	
<b>Electrical Power Connectors</b>						
DC	5V	• POWER 5V DC	1	0	0	
	12V	• DC 12V	0	1	0	
		• Power DC	0	0	1	
PoE <sup>1</sup>	IEEE 802.3af	• RJ-45	0	1	0	
<b>Network Connectors</b>						
Wired <sup>2</sup>	Fast Ethernet	10/100	• 10/100	1	0	0
	Gigabit Ethernet <sup>3</sup>	10/100/1000	• RJ45	0	1	0
			• RJ-45	0	0	1
Wireless <sup>4</sup>	IEEE 802.11b/g		• Antenna	0	0	1
<b>Debugging (for Cisco use only)</b>						
—		• CONSOLE	0	1	0	

Table 1 DMP Physical Interfaces (continued)

Category and Subcategory		Chassis Label	DMP 4305G	DMP 4310G	DMP 4400G		
<b>Media Signal Connectors</b>							
Wired <sup>5</sup>	Video connectors	HDMI 1.1	• HDMI	1	0	1	
		HDMI 1.3 <sup>6</sup>		0	1	0	
		Component <sup>7</sup>	• YPbPr/ S-Video	0	1	0	
				• S-VIDEO/ YPbPr	1	0	0
					• S-Video	0	0
	Composite	• CVBS	1	0 <sup>8</sup>	1		
	Audio connectors	3.5mm jack <sup>9</sup>	• Audio	0	1	1	
		RCA	• SPDIF <sup>10</sup>	0	0	1	
			• RIGHT	1	0	0	
• LEFT			1	0	0		
<b>Infrared</b>							
Wired	IR receiver extension	3.5 mm jack	• IR Extension	0	1	1	
Wireless	IR receiver	Sensor for remote control <sup>11</sup>	• —	1	1	1	
<b>Serial (Comm Port) Connectors</b>							
Wired	Data	USB 1.0	• USB	1	0	0	
		USB 2.0 <sup>12</sup>		0	2 <sup>13</sup>	2 <sup>13</sup>	
		RS-232 (9-pin DB9 to 9-pin DB9)	• RS232	1	0	1	
		RS-232 (9-pin DB9 to 3.55mm jack)		0	1	0	
<b>Human</b>							
Power On/Off	Latching pushbutton switch		• Power	0	1	0	
Device Reset	Recessed pushbutton switch		• Reset	1	1	1	

1. IEEE 802.3af interface with integrated switching regulator.

2. Category 5 or better. Maximum length: 328 ft (100 m). For any distance greater than 165 ft (50 m), we recommend that you use Category 5e or Category 6 certified Ethernet cabling. For installation behind walls, we recommend plenum-rated cabling unless it does not satisfy the requirements set forth in your regional building code. **We do not ship any Ethernet cable with any DMP model.** You must obtain this cable separately.

3. Wake-on-LAN.




4. Supporting EAP-FAST, WEP, WPA, and WPA2.

5. For maximum supported media signal cable lengths, see the “Choose Media Signal Cables” section on page 43. Each video and audio signal cable that we ship with DMPs is 6 ft (approximately 1.83 m) long.

6. Backward-compatible to HDMI 1.1.

7. Use an S-Video signal cable with a YPbPr-to-S-Video adapter to transmit and receive YPbPr data signals.
8. Although there is no Composite CVBS connector on a DMP 4310G, its YPbPr/S-Video connector supports Composite CVBS when you use an S-Video-to-Composite adapter.
9. Stereo audio output, irrespective of the cable type for video output.
10. Your DMP remote control (sold separately) cannot mute audio output from the SPDIF interface.
11. Maximum distance from remote control to DMP is 15 ft (5 m). The IR sensor's signal coverage range extends from 45° left to 45° right.
12. Maximum USB cable length is 15 ft (approximately 5 m).
13. The expected use is one USB connection for a touchscreen and the other for an external data storage device.

## DMP Support, by Model, for Asset Types

We Support These Asset Types...	... On These DMP Models		
	DMP 4305G	DMP 4310G	DMP 4400G
			
<b>Image Formats</b>			
• GIF	✓	✓	✓
• GIF ( <i>animated</i> ) <sup>1, 2</sup>	✓ ✗	✗	✓ ✗
• JPG ( <i>nonprogressive</i> )	✓	✓	✓
• PNG <sup>3</sup>	✓ ✗	✓	✓
<b>Shockwave Flash (SWF) Formats<sup>4, 5</sup></b>			
• Version 6 ( <i>with ActionScript 2</i> ) <sup>6</sup>	✓	✓	✓
• Version 7 ( <i>with ActionScript 2</i> ) <sup>6</sup>	✓	✓	✓
• Version 9 ( <i>with ActionScript 2 or 3</i> ) <sup>7</sup>	✗	✗	✓ ✗
• Version 10 ( <i>with ActionScript 2 or 3</i> )	✗	✗	✓
• FlashLite 3.1 ( <i>with ActionScript 2</i> )	✗	✓	✗
<b>Video Codec/Container Pairs</b>			
• MPEG-1/TS	✓	✓	✓
• MPEG-2/TS — MP at High Level	✓	✓	✓
• MPEG-4.2/TS — ASP at L5	✓	✓	✓
• H.264/TS — MP at L4.0; HP at L4.0 (or L4.1 for Blu-ray/D)	✗	✓	✓
• H.264/MP4 <sup>8</sup> — MP at L4.0; HP at L4.0 (or L4.1 for Blu-ray/D)	✗	✗	✓
• Windows Media 9/ASF <sup>9</sup>	✗	✓	✓
<b>Audio Codecs<sup>10</sup></b>			
• MPEG-1 Layer 1	✓	✓	✓
• MPEG-1 Layer 2	✓	✓	✓
• MPEG-1 Layer 3 (MP3) <sup>11, 12</sup>	✓	✓	✓
• HE-AAC v1	✗	✓	✓
• AC3 — Dolby Digital 5.1	✓	✓	✓
• AC3 — Dolby Digital Plus 7.1	✗	✓	✓
• AC3 — Dolby ProLogic IIx 5.1	✗	✓	✓
• AC3 — Dolby TrueHD 7.1	✗	✓	✓
• MPEG-4 AAC LC 5.1	✓	✓	✓

1. But not in standalone Flash content or DMD slideshows. Use DMD's "All Media Playlist," instead.

2. In releases 5.1.1 and earlier, DMP 4305G and 4400G models could render the first frame from an animated GIF but not any of its subsequent frames. Thus, it appeared to be an ordinary GIF image instead of an animation (**CSCte64283**). However, releases 5.2.0 and later render the entire GIF animation.
3. In releases 5.1.1 and earlier, DMP 4305G endpoints could not render PNG images at all (**CSCte64283**). However, releases 5.2.0 and later render such images correctly. Even so, they render slowly on DMP 4305G and 4400G models and we recommend on these models that you prefer another format.
4. See the “DMD Guidelines for SWF Animations” topics on Cisco.com. Also: Any SWF that includes Stage.scaleMode = “noScale” in its ActionScript code will prevent older DMP models from scaling it correctly. (**CSCtn84520**)
5. We do not support audio in Shockwave Flash.
6. Backward compatible on a DMP 4310G or a DMP 4400G but not any other DMP models.
7. Supported exclusively in DMD 5.2.0. Not supported thereafter.
8. The “moov” atom must be located at the beginning of the file.
9. On-demand (prerecorded), not live. PTS value > 100ms. HTTP, CIFS, or local storage only.
10. The supported audio data rate is 64-320 kbps on a DMP 4305G or DMP 4400G. It is 64-384 kbps on a DMP 4310G.
11. HTTP or local storage only. Prerecoded, not live.
12. Variable Bitrate (VBR) MP3 files are not supported.

## DMP Support, by Model, for USB Local Storage

- [DMP 4310G Support for USB Local Storage, page 38](#)
- [DMP 4400G Support for USB Local Storage, page 39](#)
- [DMP 4305G Support for USB Local Storage \(Discontinued Model\), page 40](#)
- [DMP 4300G Support for USB Local Storage \(Discontinued Model\), page 40](#)

## DMP 4310G Support for USB Local Storage

**Table 2** *USB Storage for DMP 4310G*

DMP Model	Running Firmware	Passed Our Tests with These External USB Storage Devices			
		Manufacturer	Brand Name (and model number, if applicable)	Capacity	File System
4310G	<ul style="list-style-type: none"> <li>• 5.4(0)</li> <li>• 5.3(6)</li> <li>• 5.3(5)</li> <li>• 5.3(4)</li> <li>• 5.3(0)</li> <li>• 5.2.3(2)</li> <li>• 5.2(3)</li> <li>• 5.2.2(3)</li> <li>• 5.2.2(1)</li> <li>• 5.2(2)</li> </ul>	Kingston	Data Traveler USB Flash Key	4 GB	EXT2
					EXT3
					FAT32
				8 GB	EXT2
					EXT3
					FAT32
				16 GB	EXT2
					EXT3
					FAT32
		32 GB	EXT2		
			EXT3		
			FAT32		
		DiskGo	EDGE	32 GB	EXT2
					EXT3
					FAT32
		Western Digital	WD Passport Portable Drive	320 GB	EXT2
					EXT3
					FAT32
1000 GB	EXT2				
	EXT3				
	FAT32				

### Local Storage Restrictions for DMP 4310G

A DMP 4310G that uses an attached USB storage volume might corrupt or erase data on this attached volume. Likewise, a DMP 4310G might lose its ability to mount this attached volume. After the DMP reaches this general state, it sometimes reports incorrectly that the attached volume is still mounted and working. These problems can occur when you disconnect the external volume from the upper USB interface on a DMP 4310G and then, without any delay, plug it immediately into the lower USB interface on the same DMP. However, these problems do not occur in every such case. In our tests, they occurred approximately 1 percent of the time. (See the “DMP 4310G” photograph, earlier in this guide.)

To reduce your possible exposure to these problems, wait no less than 3 seconds after you connect or disconnect an attached volume, before you do the reverse. In our tests, this best practice eliminated the risk.

Restart the DMP if it merely unmounts its attached volume. There is no workaround after the attached volume is erased or its data becomes corrupted. All that you can do after the fact is reformat the volume and restore its data from a recent backup.

## DMP 4400G Support for USB Local Storage

**Table 3** *USB Storage for DMP 4400G*

DMP Model	Running Firmware	Passed Our Tests with These External USB Storage Devices			
		Manufacturer	Brand Name (and model number, if applicable)	Capacity	File System
4400G	<ul style="list-style-type: none"> <li>• 5.4(0)</li> <li>• 5.3(6)</li> <li>• 5.3(5)</li> <li>• 5.3(4)</li> <li>• 5.3(0)</li> <li>• 5.2(3)</li> <li>• 5.2.2(3)</li> <li>• 5.2.2(1)</li> <li>• 5.2(2)</li> <li>• 5.2(1)</li> <li>• 5.2(0)</li> </ul>	Kingston	Data Traveler USB Flash Key	4 GB	EXT2
					EXT3
					FAT32
				8 GB	EXT2
					EXT3
					FAT32
				16 GB	EXT2
					EXT3
					FAT32
				32 GB	EXT2
	EXT3				
	FAT32				
	DiskGo	EDGE	32 GB	EXT2	
				EXT3	
				FAT32	
	Western Digital	WD Passport Portable Drive	320 GB	EXT2	
				EXT3	
FAT32					
1000 GB			EXT2		
			EXT3		
			FAT32		
<ul style="list-style-type: none"> <li>• 5.1(0)</li> <li>• 5.0(3)</li> <li>• 5.0(2)</li> <li>• 5.0(1)</li> <li>• 5.0(0)</li> </ul>	Kingston	Data Traveler USB Flash Key	4 GB	FAT32	
			8 GB	FAT32	
	DiskGo	EDGE	32 GB	FAT32	
				Western Digital	WD Passport Portable Drive

## DMP 4305G Support for USB Local Storage (Discontinued Model)

**Table 4** USB Storage for DMP 4305G

DMP Model	Running Firmware	Passed Our Tests with These External USB Storage Devices			
		Manufacturer	Brand Name (and model number, if applicable)	Capacity	File System
4305G <sup>1</sup>	• 5.3(5)	Kingston	Data Traveler USB Flash Key	4 GB	FAT32
				8 GB	FAT32
	• 5.3(4)	Kingston	Data Traveler USB Flash Key	4 GB	FAT32
				8 GB	FAT32
	• 5.3(0)	DiskGo	EDGE	32 GB	FAT32
		Western Digital	WD Passport Portable Drive	320 GB <sup>2</sup>	FAT32
	• 5.2(3)	Kingston	Data Traveler USB Flash Key	4 GB	FAT32
				8 GB	FAT32
	• 5.2.2(3)	Kingston	Data Traveler USB Flash Key	4 GB	FAT32
				8 GB	FAT32
	• 5.2(1)	DiskGo	EDGE	32 GB	FAT32
	• 5.2(0)	Western Digital	WD Passport Portable Drive	320 GB <sup>2</sup>	FAT32
	• 5.1(0)	Kingston	Data Traveler USB Flash Key	4 GB	FAT32
	• 5.0(3)	Kingston	Data Traveler USB Flash Key	8 GB	FAT32
• 5.0(2)	DiskGo	EDGE	32 GB	FAT32	
• 5.0(0)	Western Digital	WD Passport Portable Drive	320 GB <sup>2</sup>	FAT32	
• 2.43(1)	Western Digital	WD Passport Portable Drive	320 GB <sup>2</sup>	FAT32	

1. This model is discontinued. See [http://www.cisco.com/en/US/prod/collateral/video/ps9901/ps9892/eol\\_c51-675115.html](http://www.cisco.com/en/US/prod/collateral/video/ps9901/ps9892/eol_c51-675115.html).

2. See CSCsw67738 in Bug Toolkit on Cisco.com.

## DMP 4300G Support for USB Local Storage (Discontinued Model)

**Table 5** USB Storage for DMP 4300G

DMP Model	Running Firmware	Passed Our Tests with These External USB Storage Devices				
		Manufacturer	Brand Name (and model number, if applicable)	Capacity	File System	
4300G <sup>1</sup>	• 5.1(0)	Western Digital	WD Passport Portable Drive	WD2500U017	250 GB	FAT32
	• 5.0(3)	Lexar	JumpDrive Firefly		8 GB	FAT32
	• 5.0(2)					
	• 5.0(0)					
	• 2.43(1)					
	• 2.43(0)					
	• 2.42(1)	Western Digital	WD Passport Portable Drive	WD1600U017	160 GB	FAT32
• 2.42(0)	Transcend	JetFlash 2A	TS16GJF2A	16 GB	FAT32	

1. This model is discontinued. See [http://www.cisco.com/en/US/prod/collateral/video/ps9339/ps6681/Prod\\_EoL\\_C51-451180.html](http://www.cisco.com/en/US/prod/collateral/video/ps9339/ps6681/Prod_EoL_C51-451180.html).



## SSL Encryption Ciphers That DMPs Support

- ADH-DES-CBC3-SHA
- DES-CBC-MD5
- DES-CBC-SHA
- DES-CBC3-MD5
- DES-CBC3-SHA
- EDH-DSS-DES-CBC-SHA
- EDH-DSS-DES-CBC3-SHA
- EDH-RSA-DES-CBC-SHA
- EDH-RSA-DES-CBC3-SHA
- EXP-DES-CBC-SHA
- EXP-EDH-RSA-DES-CBC-SHA
- EXP-RC2-CBC-MD5
- EXP-RC4-MD5
- IDEA-CBC-MD5
- IDEA-CBC-SHA
- RC2-CBC-MD5
- RC4-MD5
- RC4-SHA



Note

Do not use AES128-SHA or AES256-SHA (including ADH-AES128-SHA, ADH-AES256-SHA, DHE-DSS-AES128-SHA, DHE-DSS-AES256-SHA, DHE-RSA-AES128-SHA, and DHE-RSA-AES256-SHA).

## DMP Interoperation with Cisco DMM

Cisco DMS requires that the following firmware and software versions be installed respectively on your DMPs and on the DMM appliance that centrally manages them.

DMP Model	Running Firmware	Works With These DMM Software Releases																																	
		Cisco Digital Signs (formerly DMM-DSM)														Cisco Cast (formerly DMM-ETV)																			
		3.5(0)	3.5(1)	4.0(0)	4.1(0)	4.1(0)40	5.0(0)	5.0(2)	5.0(3)	5.1(0)	5.2(0)	5.2(1)	5.2(2)	5.2(2)1	5.2(3)	5.3(0)	5.3(6)	5.4(0)	5.4(1)	5.0(0)	5.0(2)	5.0(3)	5.1(0)	5.2(0)	5.2(1)	5.2(2)	5.2(2)1	5.2(3)	5.3(0)	5.3(6)	5.4(0)	5.4(1)			
4310G	5.4(1)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y		
	5.4(0)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N		
	5.3(6)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N		
	5.3(5)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	
	5.3(4)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	
	5.3(0)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	
	5.2(3)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	
4400G	5.2(2)1	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N		
	5.2(2)	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N		
	5.4(1)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	
	5.4(0)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	
	5.3(6)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	
	5.3(5)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
	5.3(4)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N
	5.3(0)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N
	5.2(3)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N
	5.2(2)1	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N
	5.2(2)	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N
	5.2(1)	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
	5.2(0)	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N
5.1(0)	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	
5.0(3)	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	
5.0(2)	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	
5.0(1)	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	
5.0(0)	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	

DMP Model	Running Firmware	Works With These DMM Software Releases																																	
		Cisco Digital Signs (formerly DMM-DSM)														Cisco Cast (formerly DMM-ETV)																			
		3.5(0)	3.5(1)	4.0(0)	4.1(0)	4.1(0)40	5.0(0)	5.0(2)	5.0(3)	5.1(0)	5.2(0)	5.2(1)	5.2(2)	5.2(2)1	5.2(3)	5.3(0)	5.3(6)	5.4(0)	5.4(1)	5.0(0)	5.0(2)	5.0(3)	5.1(0)	5.2(0)	5.2(1)	5.2(2)	5.2(2)1	5.2(3)	5.3(0)	5.3(6)	5.4(0)	5.4(1)			
4305G <sup>1</sup>	5.3(5)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
	5.3(0)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N		
	5.2(3)	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N		
	5.2(2)3	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N		
	5.2(2)	N	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N	N	N	N	N	N	N	Y	Y	N	N	N	N	N		
	5.2(1)	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	
	5.2(0)	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	
	5.1(0)	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	
	5.0(3)	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	
	5.0(2)	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N
5.0(0)	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	
2.4(3)1	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
2.4(3)0	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	
4300G <sup>2</sup>	5.1(0)	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	
	5.0(3)	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	
	5.0(2)	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	
	5.0(0)	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	Y	N	N	N	N	N	N	N	N	N	N	N	N	N
	2.4(3)1	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	2.4(3)0	N	N	Y	Y	Y	Y	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
	2.4(2)1	N	N	Y	Y <sup>3</sup>	Y <sup>3</sup>	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N
2.4(2)0	N	N	Y	Y <sup>3</sup>	Y <sup>3</sup>	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	N	

1 This model is discontinued. See [http://www.cisco.com/en/US/prod/collateral/video/ps9901/ps9892/eol\\_c51-675115.html](http://www.cisco.com/en/US/prod/collateral/video/ps9901/ps9892/eol_c51-675115.html).  
 2 This model is discontinued. See [http://cisco.com/en/US/prod/collateral/video/ps9339/ps6681/Prod\\_EoL\\_C51-451180.html](http://cisco.com/en/US/prod/collateral/video/ps9339/ps6681/Prod_EoL_C51-451180.html).  
 3 DMM-DSM 4.1 can manage DMPs that use this firmware release. However, these DMPs cannot play presentations that you design in Digital Media Designer (DMD).

## DMP Mount Kits

We manufacture and sell optional mount kits for DMPs. These fabricated steel enclosures provide physical stability for a DMP. Perhaps more importantly, they discourage tampering and prevent theft. With the correct mount kit enclosure, you can mount any DMP securely to:

- A wall or pillar.
- A suspended-grid ceiling T-joint.
- A metal pole.
- A VESA-compliant flat-panel display for which you have obtained a third-party VESA mount kit.

Cisco DMP mount kits facilitate airflow for ventilation. In addition, they are an adaptable and cost-effective alternative to complex cabinet-making and construction projects.

For this DMP Model:	Order this Optional Mount Kit:
DMP 4400G	DMP-PRCASE-4400-S1
DMP 4310G	DMP-PRCASE-4305-S1
DMP 4305G	
DMP 4300G	

- Data Sheet: <http://tools.cisco.com/squish/1702C>
- Mounting Kit Assembly Guide: <http://tools.cisco.com/squish/06C68>

# LCD Digital Signs and Other Presentation Systems

- [Choose Suitable Display Systems for Digital Signs, page 43](#)
- [Choose Media Signal Cables, page 43](#)
- [Generally Supported Touchscreen Driver Categories, page 46](#)
- [RS-232 Command Strings for Cisco LCD-Professional Series Displays, page 51](#)

## Choose Suitable Display Systems for Digital Signs

We certify that DMPs work as designed with Cisco LCD flat-screen displays. All displays in this series are engineered for intensive use in public settings. See <http://cisco.com/go/dms/lcd>.



In most cases, DMPs can use displays that comply with modern, international standards. We recommend the following if you must use a third-party display.

- **Digital, not analog.**
- **High-definition, not standard-definition.**
- **Professional-grade, not consumer-grade.** Digital signs and public IPTV installations run many more hours each day than a consumer-grade display is engineered to run. A consumer-grade system is likely to fail years sooner than a professional-grade system would under these circumstances.
- **LCD, not plasma.** Digital signage uses static images more often than it uses full-motion video. Most often, content is web-based or animated in Flash. The nature of these media types means that some pixels are not updated frequently in digital signage. LCDs are less susceptible to burn-in than plasma displays are. Even though image persistence is sometimes a problem on LCD displays, it is almost always self-correcting and is unlikely to occur when you follow manufacturer guidelines for managing your displays correctly.
- **Built-in support for RS-232 signalling.** This recommendation is important in direct proportion to the number of displays that you will manage.

## Choose Media Signal Cables



Caution

Poorly shielded cable can sometimes promote undesired signal leakage (*egress*), interference from over-the-air signals (*ingress*), or crosstalk between cables that are in close physical proximity.

Special considerations apply when you obtain a signal cable that is longer or of a different type than cables that we included in your product kit. For DMP models that support the following signal cable types, the maximum supported lengths are:

- **Composite** 10 ft (approximately 3 m)
- **HDMI** 16 ft (approximately 5 m) <sup>1</sup>
- **RCA** 10 ft (approximately 3 m)
- **S-Video** 10 ft (approximately 3 m)
- **SPDIF** 10 ft (approximately 3 m)

1. Or 150 ft (approximately 45 m) with an HDMI extender.

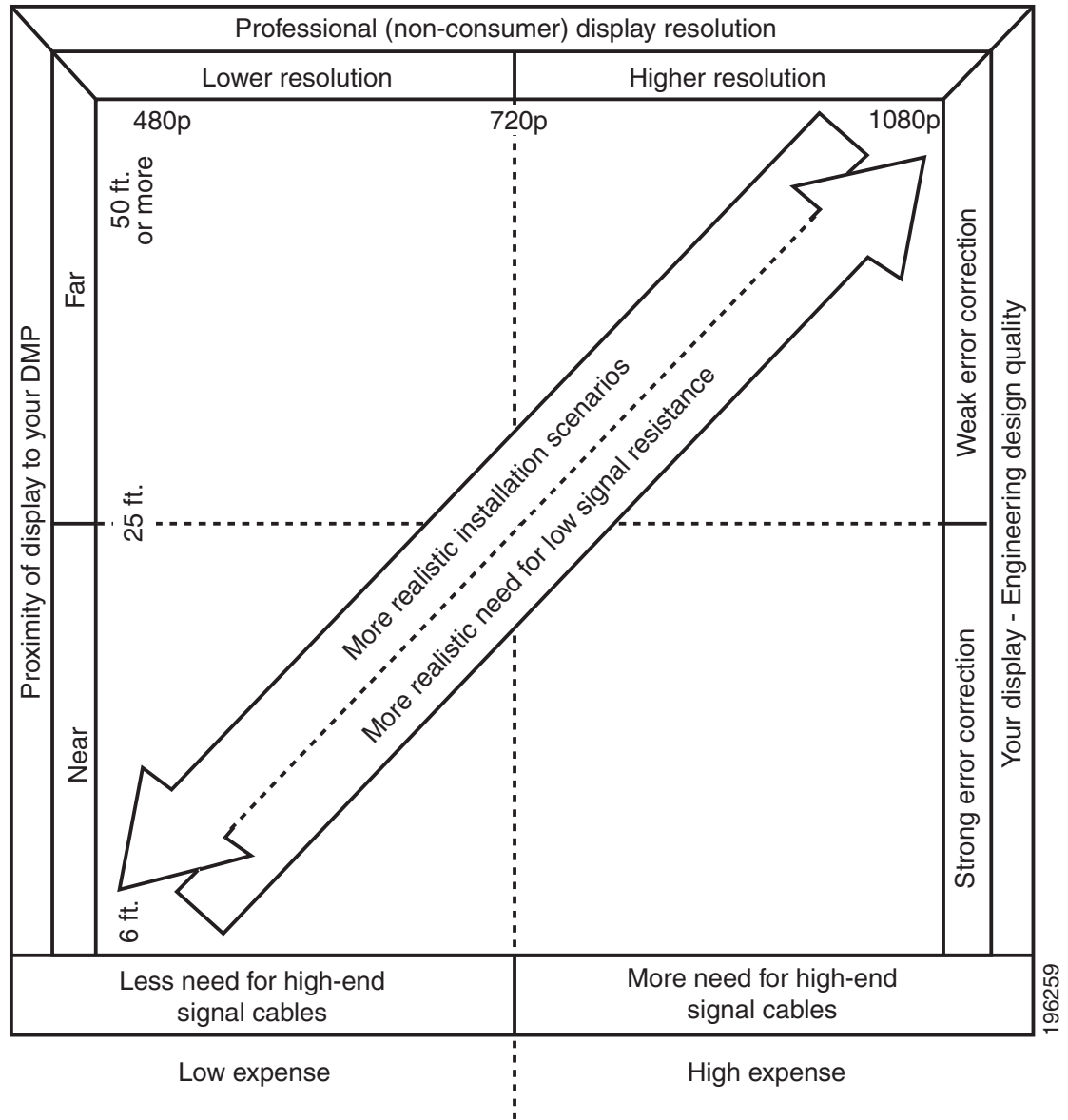
### Cable Quality

The best signal cables objectively are those with the lowest signal resistance. Factors that affect signal resistance include wire gauge, cable shielding quality, and cable connector quality. However, the same materials and engineering designs that reduce signal resistance add to the cost of manufacturing. This added cost is passed along to a consumer. So, it is useful to understand when signal resistance is not relevant. Knowing this can help you to manage and reduce expenses without necessarily lowering your standards. High cost is not inevitable. Nor is it proof of high quality. Sometimes, in fact, high quality (low signal resistance) is irrelevant.

Even mediocre signal cables are sometimes sufficient, and such cables are often very affordable.

[Figure 1](#) illustrates the most important factors to consider when you choose signal cables.

**Figure 1** Signal Cable Purchasing Factors to Consider



Beyond the general guidelines that Figure 1 illustrates, two additional factors might constrain which types of signal cable you can use.

- **The technology, brand, and model of your display**—Check its product documentation to understand its compatibility with various signal cable types.
- **The DMP model**—Table 1 states which I/O ports are available on various DMP models. (Alternatively, if the table does not describe your DMP model, see its datasheet at <http://www.cisco.com/go/dms/dmp/datasheets>.) Your packing list states which signal cables Cisco planned to ship with your DMP.



**Note**

**When image signals are transmitted through a composite cable, image quality suffers. When you use a composite cable and your DMP shows any web-based media, small text might be difficult to read in TVzilla. To work around this limitation, you can lower the browser resolution setting in DMPDM.**

## Generally Supported Touchscreen Driver Categories

This high-level summary merely categorizes which types of touchscreen drivers we support.

For a comprehensive and specific inventory of all supported drivers, see the [“Supported Touchscreen Drivers in Cisco DMS 5.4” section on page 47](#).

DMP Model	Supported Driver Categories
<b>DMP 4400G</b>	<ul style="list-style-type: none"> <li>• 3M MicroTouch</li> <li>• ELO Acoustic Pulse Recognition systems and non-APR systems</li> <li>• <b>NEW IN CISCO DMS 5.2.3</b>—ELO non-Acoustic Pulse Recognition systems</li> <li>• <b>REMOVED IN CISCO DMS 5.2.3</b>—GeneralTouch ST6001S and ST6201</li> <li>• Zytronic Zybrid</li> </ul>
<b>DMP 4310G</b>	<ul style="list-style-type: none"> <li>• <b>NEW IN CISCO DMS 5.4</b>—ELO IntelliTouch+</li> <li>• <b>NEW IN CISCO DMS 5.2.3</b>—3M Touch Systems Capacitive Pulse SCT</li> <li>• <b>NEW IN CISCO DMS 5.2.3</b>—3M Dispersive Signal DST</li> <li>• <b>NEW IN CISCO DMS 5.2.3</b>—3M Projected Capacitive PCT (with single touch)</li> <li>• <b>NEW IN CISCO DMS 5.2.3</b>—ELO non-Acoustic Pulse Recognition systems</li> <li>• <b>NEW IN CISCO DMS 5.2.3</b>—GeneralTouch ST6001S and ST6201</li> </ul>

## Supported Touchscreen Drivers in Cisco DMS 5.4

Touchscreen Technology or Connector Type	Vendor	Supported Models	DMP 4400G Compatible	DMP 4310G Compatible
Acoustic Pulse Recognition (APR)	ELO	• Touchmonitors	Yes	Yes
		• IDS Touch Display 3200L	Yes	Yes
		• IDS Touch Display 4200L	Yes	Yes
		• IDS Touch Display 4600L	Yes	Yes
Dispersive Signal Technology (DST)	3M	• MicroTouch System DST2270DX	Yes	Yes
Intellitouch	ELO	• Touchmonitors	Yes	Yes
		• IDS Touch Display 4200L	Yes	Yes
		• IDS Touch Display 4600L	Yes	Yes
		• IDS Touch Display 5500L	Yes	Yes
Intellitouch Plus	ELO	• Touchmonitor 2242L	Yes	Yes
		• IDS Touch Display 3200L	Yes	Yes
Optical	ELO		No	No
Projected Capacitive Technology (PCT)	3M		No	No
Surface Capacative Technology (SCT)	3M	• MicroTouch System SCT3250EX	Yes	Yes
		• MicroTouch System SCT7650EX	Yes	Yes
		• MicroTouch Display M1500SS	Yes	Yes
		• MicroTouch Display M1700SS	Yes	Yes
		• MicroTouch Display C1500SS	Yes	Yes
		• MicroTouch Display C1700SS	Yes	Yes
		• MicroTouch Display C2234SW	Yes	Yes
Serial	General Touch		No	No
USB	General Touch		No	Yes
	Zytronics		Yes	No

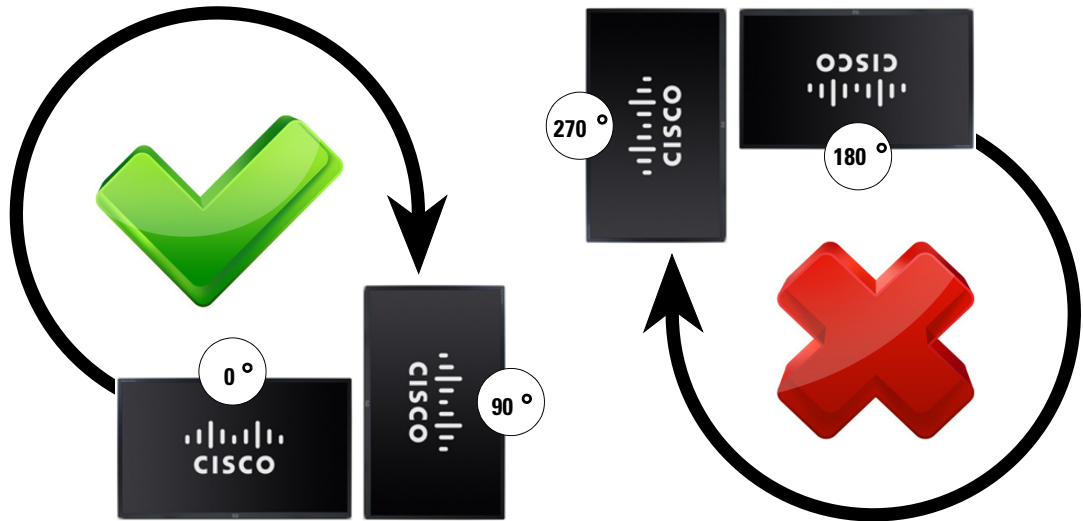
## Cisco LCD Professional Series Displays

- [Rotation, page 48](#)
- [Electrical Specifications, page 49](#)
- [Dimensions and Weight, page 49](#)

- [RS-232 Command Strings for Cisco LCD-Professional Series Displays, page 51](#)







## Rotation

You can mount your Cisco LCD display at 0° or 90°. **Do not use any other angle!**





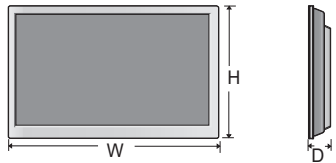
## Electrical Specifications

32-inch Cisco LCD-100L-PRO-32N	40-inch Cisco LCD-100-PRO-40N	42-inch Cisco LCD-110L-PRO-42	47-inch Cisco LCD-110L-PRO-47	52-inch Cisco LCD-110-PRO-52S	55-inch Cisco LCD-PRO-110Q
					
<b>Rated Voltage</b> AC 100-240V ~ 50/60 Hz 1.5A	<b>Rated Voltage</b> AC 100-240V ~ 50/60 Hz	<b>Rated Voltage</b> AC 100-240V ~ 50/60 Hz 2.3A	<b>Rated Voltage</b> AC 100-240V ~ 50/60 Hz 3.0A	<b>Rated Voltage</b> AC 100-240V ~ 50/60 Hz	<b>Rated Voltage</b> AC 100-240V ~ 50/60 Hz 3.0A
<b>Typical Power Consumption</b> <b>On:</b> 145W <b>Sleep:</b> Ω4W <b>Off:</b> Ω1W	<b>Typical Power Consumption</b> <b>On:</b> 230W <b>Sleep:</b> Ω2W <b>Off:</b> Ω0W	<b>Typical Power Consumption</b> <b>On:</b> 200W <b>Sleep:</b> Ω2W <b>Off:</b> Ω0.5W	<b>Typical Power Consumption</b> <b>On:</b> 260W <b>Sleep:</b> Ω2W <b>Off:</b> Ω0.5W	<b>Typical Power Consumption</b> <b>On:</b> 370W <b>Sleep:</b> Ω2W <b>Off:</b> Ω0W	<b>Typical Power Consumption</b> <b>On:</b> 350W <b>Sleep:</b> Ω1W <b>Off:</b> Ω1W

## Dimensions and Weight

Measurements are approximate and subject to change without notice.

	32-inch LCD-100L-PRO-32N		40-inch <sup>1</sup> LCD-100-PRO-40N		42-inch LCD-110L-PRO-42		47-inch LCD-110L-PRO-47		52-inch <sup>2</sup> LCD-110-PRO-52S		55-inch <sup>3</sup> LCD-PRO-110Q	
	W	31.61 in 80.29 cm	W	38.20 in 97.03 cm	W	38.07 in 96.70 cm	W	42.50 in 107.95 cm	W	47.68 in 121.10 cm	W	48.84 in 124.06 cm
<b>H</b>	<b>19.41 in</b> 49.30 cm	<b>H</b>	<b>22.90 in</b> 56.17 cm	<b>H</b>	<b>22.03 in</b> 55.98 cm	<b>H</b>	<b>24.59 in</b> 62.46 cm	<b>H</b>	<b>30.58 in</b> 77.66 cm	<b>H</b>	<b>28.01 in</b> 71.14 cm	
<b>D</b>	<b>03.93 in</b> 09.98 cm	<b>D</b>	<b>04.70 in</b> 11.94 cm	<b>D</b>	<b>04.87 in</b> 12.37 cm	<b>D</b>	<b>04.83 in</b> 12.29 cm	<b>D</b>	<b>12.24 in</b> 31.10 cm	<b>D</b>	<b>4.80 in</b> 12.18 cm	
<b>Weight</b>	<b>31.70 lb</b> 14.38 kg	<b>41.90 lb</b> 19.00 kg	<b>41.00 lb</b> 18.64 kg	<b>48.94 lb</b> 22.20 kg	<b>79.37 lb</b> 36.80 kg	<b>58.10 lb</b> 26.40 kg						



- Display
- Speakers
- Stand

		32-inch LCD-100L-PRO-32N		40-inch <sup>1</sup> LCD-100-PRO-40N		42-inch LCD-110L-PRO-42		47-inch LCD-110L-PRO-47		52-inch <sup>2</sup> LCD-110-PRO-52S		55-inch <sup>3</sup> LCD-PRO-110Q	
<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Display</li> <li><input type="checkbox"/> Speakers</li> <li><input checked="" type="checkbox"/> Stand</li> </ul>		W	31.61 in 80.29 cm	W	38.20 in 97.03 cm	W	38.07 in 96.70 cm	W	42.50 in 107.95 cm	W	47.68 in 121.10 cm	W	48.84 in 124.06 cm
		H	21.26 in 54.00 cm	H	25.30 in 64.26 cm	H	24.99 in 63.50 cm	H	27.46 in 69.77 cm	H	30.58 in 77.66 cm	H	30.44 in 77.32 cm
		D	07.58 in 19.25 cm	D	12.20 in 31.00 cm	D	10.18 in 25.86 cm	D	11.74 in 29.83 cm	D	12.24 in 31.10 cm	D	15.95 in 40.51 cm
			37.08 lb 16.82 kg		41.90 lb 19.00 kg		43.92 lb 19.92 kg		52.02 lb 23.60 kg		79.37 lb 36.80 kg		85.1 lb 38.70 kg
<ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Display</li> <li><input checked="" type="checkbox"/> Speakers<sup>3</sup></li> <li><input type="checkbox"/> Stand</li> </ul>		W	31.61 in 80.29 cm	N.A.		W	38.07 in 96.70 cm	W	42.50 in 107.95 cm	N.A.		W	N.A. <sup>3</sup>
		H	19.41 in 49.30 cm			H	22.03 in 55.98 cm	H	24.59 in 62.46 cm			H	
		D	03.93 in 09.98 cm			D	04.87 in 12.37 cm	D	05.08 in 12.92 cm			D	
			33.42 lb 15.16 kg				42.73 lb 19.38 kg		50.70 lb 23.00 kg				

	32-inch LCD-100L-PRO-32N		40-inch <sup>1</sup> LCD-100-PRO-40N		42-inch LCD-110L-PRO-42		47-inch LCD-110L-PRO-47		52-inch <sup>2</sup> LCD-110-PRO-52S		55-inch <sup>3</sup> LCD-PRO-110Q	
<ul style="list-style-type: none"> <li>■ Display</li> <li>■ Speakers<sup>3</sup></li> <li>■ Stand</li> </ul>	W	31.61 in	N.A.	W	38.07 in	W	42.50 in	N.A.	W	48.84 in		
		80.29 cm			96.70 cm		107.95 cm			124.06 cm		
	H	21.26 in	H	24.99 in	H	27.46 in	H	30.44 in				
		54.00 cm		63.50 cm		69.77 cm		77.32 cm				
D	07.58 in	D	10.18 in	D	11.74 in	D	15.95 in					
	19.25 cm		25.86 cm		29.83 cm		40.51 cm					
	38.80 lb		45.55 lb		53.79 lb		85.1 lb					
	17.60 kg		20.66 kg		24.40 kg		38.70 kg					
<b>VESA Mounting Interface</b>	200 x 200 mm		600 x 400 mm		600 x 400 mm		800 x 400 mm		800 x 400 mm		400 x 400 mm	
<b>Datasheets</b>	<a href="http://www.cisco.com/en/US/products/ps10099/products_data_sheets_list.html">http://www.cisco.com/en/US/products/ps10099/products_data_sheets_list.html</a>											

1. Discontinued. Please see [http://www.cisco.com/en/US/prod/collateral/video/ps9339/ps10099/end\\_of\\_life\\_c51-682457.html](http://www.cisco.com/en/US/prod/collateral/video/ps9339/ps10099/end_of_life_c51-682457.html)
2. Discontinued. Please see [http://www.cisco.com/en/US/prod/collateral/video/ps9339/ps10099/eol\\_c51-669174.html](http://www.cisco.com/en/US/prod/collateral/video/ps9339/ps10099/eol_c51-669174.html).
3. We do not sell optional speakers for 55-inch displays. Their speakers are already built-in.

## RS-232 Command Strings for Cisco LCD-Professional Series Displays

**Table 6** RS-232 Commands to Manage Cisco LCD Displays

Task	Hexadecimal RS-232 Command Strings					
	32-inch LCD-100L-PRO-32N	40-inch LCD-100-PRO-40N	42-inch LCD-110L-PRO-42	47-inch LCD-110L-PRO-47	52-inch LCD-110-PRO-52S	55-inch LCD-PRO-110Q
<b>Power</b>						
On	rs232.tx_hex=6B612030312030310D	rs232.tx_hex=AA11FF010112	rs232.tx_hex=6B612030312030310D	rs232.tx_hex=6B612030312030310D	rs232.tx_hex=AA11FF010112	rs232.tx_hex=346230313130303030310d
Off	rs232.tx_hex=6B612030312030300D	rs232.tx_hex=AA11FF010011	rs232.tx_hex=6B612030312030300D	rs232.tx_hex=6B612030312030300D	rs232.tx_hex=AA11FF010011	rs232.tx_hex=346230313130303030300d

**Table 6 RS-232 Commands to Manage Cisco LCD Displays (continued)**

Task	Hexadecimal RS-232 Command Strings					
	32-inch LCD-100L-PRO-32 N	40-inch LCD-100-PRO-40 N	42-inch LCD-110L-PRO-42	47-inch LCD-110L-PRO-47	52-inch LCD-110-PRO-52 S	55-inch LCD-PRO-110Q
<b>Input Source</b>						
HDMI	rs232.tx_hex= 6B622030312030380D	rs232.tx_hex= AA14FF012135	rs232.tx_hex= 6B622030312030380D	rs232.tx_hex= 6B622030312030380D	rs232.tx_hex= AA14FF012135	rs232.tx_hex= 346230313130313030300d
DVI	—	rs232.tx_hex= AA14FF01182C	—	—	rs232.tx_hex= AA14FF01182C	rs232.tx_hex= 346230313130313030310d
Component	rs232.tx_hex= 6B622030312030340D	—	rs232.tx_hex= 6B622030312030340D	rs232.tx_hex= 6B622030312030340D	rs232.tx_hex= AA14FF01081C	rs232.tx_hex= 346230313130313030360d
AV	rs232.tx_hex= 6B622030312030320D	rs232.tx_hex= AA14FF010C20	rs232.tx_hex= 6B622030312030320D	rs232.tx_hex= 6B622030312030320D	rs232.tx_hex= AA14FF010C20	rs232.tx_hex= 346230313130313030380d
PC	rs232.tx_hex= 6B622030312030370D	rs232.tx_hex= AA14FF011428	rs232.tx_hex= 6B622030312030370D	rs232.tx_hex= 6B622030312030370D	rs232.tx_hex= AA14FF011428	rs232.tx_hex= 346230313130313030330d
S-Video	—	—	—	—	—	rs232.tx_hex= 346230313130313030370d
BNC	—	—	—	—	rs232.tx_hex= AA14FF011E32	—
<b>Volume Mute</b>						
On	rs232.tx_hex= 6B6520303120300D	rs232.tx_hex= AA13FF010114	rs232.tx_hex= 6B6520303120300D	rs232.tx_hex= 6B6520303120300D	rs232.tx_hex= AA13FF010114	rs232.tx_hex= 3462303135353030310d
Off	rs232.tx_hex= 6B6520303120310D	rs232.tx_hex= AA13FF010013	rs232.tx_hex= 6B6520303120310D	rs232.tx_hex= 6B6520303120310D	rs232.tx_hex= AA13FF010013	rs232.tx_hex= 3462303135353030300d
<b>Volume Control</b>						
0%	rs232.tx_hex= 6B662030312030300D	rs232.tx_hex= AA12FF010012	rs232.tx_hex= 6B662030312030300D	rs232.tx_hex= 6B662030312030300D	rs232.tx_hex= AA12FF010012	rs232.tx_hex= 346230313135303030300d
25%	rs232.tx_hex= 6B662030312031390D	rs232.tx_hex= AA12FF01192B	rs232.tx_hex= 6B662030312031390D	rs232.tx_hex= 6B662030312031390D	rs232.tx_hex= AA12FF01192B	rs232.tx_hex= 346230313135303032350d
50%	rs232.tx_hex= 6B662030312033320D	rs232.tx_hex= AA12FF013244	rs232.tx_hex= 6B662030312033320D	rs232.tx_hex= 6B662030312033320D	rs232.tx_hex= AA12FF013244	rs232.tx_hex= 346230313135303035300d
75%	rs232.tx_hex= 6B662030312034620D	rs232.tx_hex= AA12FF014b5D	rs232.tx_hex= 6B662030312034620D	rs232.tx_hex= 6B662030312034620D	rs232.tx_hex= AA12FF014b5D	rs232.tx_hex= 346230313135303037350d
100%	rs232.tx_hex= 6B662030312036340D	rs232.tx_hex= AA12FF016476	rs232.tx_hex= 6B662030312036340D	rs232.tx_hex= 6B662030312036340D	rs232.tx_hex= AA12FF016476	rs232.tx_hex= 346230313135303130300d
<b>Brightness</b>						
25%	rs232.tx_hex= 6B6820312031390D	rs232.tx_hex= AA25FF01193E	rs232.tx_hex= 6B6820312031390D	rs232.tx_hex= 6B6820312031390D	rs232.tx_hex= AA25FF01193E	rs232.tx_hex= 346230313131303032350d
50%	rs232.tx_hex= 6B6820312033320D	rs232.tx_hex= AA25FF013257	rs232.tx_hex= 6B6820312033320D	rs232.tx_hex= 6B6820312033320D	rs232.tx_hex= AA25FF013257	rs232.tx_hex= 346230313131303035300d
75%	rs232.tx_hex= 6B6820312034620D	rs232.tx_hex= AA25FF014B70	rs232.tx_hex= 6B6820312034620D	rs232.tx_hex= 6B6820312034620D	rs232.tx_hex= AA25FF014B70	rs232.tx_hex= 346230313131303037350d
100%	rs232.tx_hex= 6B6820312036340D	rs232.tx_hex= AA25FF016489	rs232.tx_hex= 6B6820312036340D	rs232.tx_hex= 6B6820312036340D	rs232.tx_hex= AA25FF016489	rs232.tx_hex= 346230313131303130300d
<b>Contrast</b>						
25%	rs232.tx_hex= 6B672030312031390D	rs232.tx_hex= AA24FF01193D	rs232.tx_hex= 6B672030312031390D	rs232.tx_hex= 6B672030312031390D	rs232.tx_hex= AA24FF01193D	rs232.tx_hex= 346230313131313032350d
50%	rs232.tx_hex= 6B672030312033320D	rs232.tx_hex= AA24FF013256	rs232.tx_hex= 6B672030312033320D	rs232.tx_hex= 6B672030312033320D	rs232.tx_hex= AA24FF013256	rs232.tx_hex= 346230313131303035300d
75%	rs232.tx_hex= 6B672030312034620D	rs232.tx_hex= AA24FF014B6F	rs232.tx_hex= 6B672030312034620D	rs232.tx_hex= 6B672030312034620D	rs232.tx_hex= AA24FF014B6F	rs232.tx_hex= 346230313131313037350d
100%	rs232.tx_hex= 6B672030312036340D	rs232.tx_hex= AA24FF016488	rs232.tx_hex= 6B672030312036340D	rs232.tx_hex= 6B672030312036340D	rs232.tx_hex= AA24FF016488	rs232.tx_hex= 346230313131313130300d

**Table 6 RS-232 Commands to Manage Cisco LCD Displays (continued)**

Task	Hexadecimal RS-232 Command Strings					
	32-inch LCD-100L-PRO-32 N	40-inch LCD-100-PRO-40 N	42-inch LCD-110L-PRO-42	47-inch LCD-110L-PRO-47	52-inch LCD-110-PRO-52 S	55-inch LCD-PRO-110Q
<b>Sharpness</b>						
25%	rs232.tx_hex= 6B6B2030312031390D	rs232.tx_hex= AA26FF01193F	rs232.tx_hex= 6B6B2030312031390D	rs232.tx_hex= 6B6B2030312031390D	rs232.tx_hex= AA26FF01193F	rs232.tx_hex= 346230313131323032350d
50%	rs232.tx_hex= 6B6B2030312033320D	rs232.tx_hex= AA26FF013258	rs232.tx_hex= 6B6B2030312033320D	rs232.tx_hex= 6B6B2030312033320D	rs232.tx_hex= AA26FF013258	rs232.tx_hex= 346230313131323035300d
75%	rs232.tx_hex= 6B6B2030312034620D	rs232.tx_hex= AA26FF014b71	rs232.tx_hex= 6B6B2030312034620D	rs232.tx_hex= 6B6B2030312034620D	rs232.tx_hex= AA26FF014b71	rs232.tx_hex= 346230313131323037350d
100%	rs232.tx_hex= 6B6B2030312036340D	rs232.tx_hex= AA26FF01648A	rs232.tx_hex= 6B6B2030312036340D	rs232.tx_hex= 6B6B2030312036340D	rs232.tx_hex= AA26FF01648A	rs232.tx_hex= 346230313131323130300d
<b>Colorfulness<sup>1</sup> (Saturation)</b>						
25%	rs232.tx_hex= 6B692030312031390D	rs232.tx_hex= AA27FF011940	rs232.tx_hex= 6B692030312031390D	rs232.tx_hex= 6B692030312031390D	rs232.tx_hex= AA27FF011940	rs232.tx_hex= 346230313131363032350d
50%	rs232.tx_hex= 6B692030312033320D	rs232.tx_hex= AA27FF013259	rs232.tx_hex= 6B692030312033320D	rs232.tx_hex= 6B692030312033320D	rs232.tx_hex= AA27FF013259	rs232.tx_hex= 346230313131363035300d
75%	rs232.tx_hex= 6B692030312034620D	rs232.tx_hex= AA27FF014B72	rs232.tx_hex= 6B692030312034620D	rs232.tx_hex= 6B692030312034620D	rs232.tx_hex= AA27FF014B72	rs232.tx_hex= 346230313131363037350d
100%	rs232.tx_hex= 6B692030312036340D	rs232.tx_hex= AA27FF01648B	rs232.tx_hex= 6B692030312036340D	rs232.tx_hex= 6B692030312036340D	rs232.tx_hex= AA27FF01648B	rs232.tx_hex= 346230313131363130300d
<b>Tint</b>						
25%	rs232.tx_hex= 6B6A2030312031390D	rs232.tx_hex= AA28FF011941	rs232.tx_hex= 6B6A2030312031390D	rs232.tx_hex= 6B6A2030312031390D	rs232.tx_hex= AA28FF011941	rs232.tx_hex= 346230313131353032350d
50%	rs232.tx_hex= 6B6A2030312033320D	rs232.tx_hex= AA28FF01325A	rs232.tx_hex= 6B6A2030312033320D	rs232.tx_hex= 6B6A2030312033320D	rs232.tx_hex= AA28FF01325A	rs232.tx_hex= 346230313131353035300d
75%	rs232.tx_hex= 6B6A2030312034620D	rs232.tx_hex= AA28FF014B73	rs232.tx_hex= 6B6A2030312034620D	rs232.tx_hex= 6B6A2030312034620D	rs232.tx_hex= AA28FF014B73	rs232.tx_hex= 346230313131353037350d
100%	rs232.tx_hex= 6B6A2030312036340D	rs232.tx_hex= AA28FF01648C	rs232.tx_hex= 6B6A2030312036340D	rs232.tx_hex= 6B6A2030312036340D	rs232.tx_hex= AA28FF01648C	rs232.tx_hex= 346230313131353130300d
<b>Remote Control Lock<sup>2</sup></b>						
On	—	rs232.tx_hex= AA36FF010036	—	—	rs232.tx_hex= AA36FF010036	—
Off	—	rs232.tx_hex= AA36FF010037	—	—	rs232.tx_hex= AA36FF010037	—
<b>Panel Lock<sup>3</sup></b>						
On	—	rs232.tx_hex= AA5FFF010160	—	—	rs232.tx_hex= AA5FFF010160	SW Version: V40.14 346230313130333030310d SW Version: V40.22B 346230313130333030300d
Off	—	rs232.tx_hex= AA5FFF01005F	—	—	rs232.tx_hex= AA5FFF01005F	SW Version: V40.14 346230313130333030300d SW Version: V40.22B 346230313130333030310d
<b>Safety Lock<sup>4</sup></b>						
On	rs232.tx_hex= 6B6D2030312030310D	rs232.tx_hex= AA5DFF01015E	rs232.tx_hex= 6B6D2030312030310D	rs232.tx_hex= 6B6D2030312030310D	rs232.tx_hex= AA5DFF01015E	—
Off	rs232.tx_hex= 6B6D2030312030300D	rs232.tx_hex= AA5DFF01005D	rs232.tx_hex= 6B6D2030312030300D	rs232.tx_hex= 6B6D2030312030300D	rs232.tx_hex= AA5DFF01005D	—

1. An image with a colorfulness value of zero percent is grayscale, while the same image with a colorfulness value of 100 percent has vivid colors.
2. The display ignores its handheld remote control but still responds to other commands.

3. The display ignores its built-in buttons but still responds to other commands.
4. Control the display exclusively through your DMP. Neither the handheld remote control nor buttons on the display can override your off-site management.

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