



## VideoStream Commands

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## ap dot11 media-stream multicast-direct

To configure multicast-direct for 2.4-GHz/5-GHz band, use the **ap dot11 media-stream multicast-direct** command.

```
ap dot11 {24ghz|5ghz} media-stream {multicast-direct {admission-besteffort| client-maximum value|
radio-maximum value}| video-redirect}
```

### Syntax Description

<b>multicast-direct</b>	Configure multicast-direct for 802.11 band
<b>admission-besteffort</b>	Admits media stream to best-effort queue.
<b>client-maximum <i>value</i></b>	Specifies the maximum number of streams allowed on a client.
<b>radio-maximum <i>value</i></b>	Specifies the maximum number of streams allowed on a 2.4-GHz or a 5-GHz band.
<b>video-redirect</b>	Redirect non Multicast-direct video to BestEffort queue over the air.

### Command Default

None.

### Command Modes

config

### Command History

Release	Modification
	This command was introduced.

### Usage Guidelines

Before you configure the media stream multicast-direct parameters on a 802.11 network, ensure that the network is nonoperational.

### Examples

This example shows how to configure multicast-direct for the 2.4-GHz band.

```
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#ap dot11 24ghz media-stream multicast-direct
```

# show ap dot11

To display 802.11 band parameters, use the **show ap dot11** command.

**show ap dot11** {24ghz| 5ghz} {media-stream rrc| network| profile| summary}

Syntax Description		
	<b>media-stream rrc</b>	Displays Media Stream configurations.
	<b>network</b>	Shows network configuration.
	<b>profile</b>	Shows profiling information for all Cisco APs.
	<b>summary</b>	Shows configuration and statistics of 802.11b and 802.11a Cisco APs.

**Command Default** None.

**Command Modes** User EXEC command mode or Privileged EXEC command mode

Command History	Release	Modification
		This command was introduced.

**Usage Guidelines** None.

**Examples** This example shows how to display 802.11 Media Resource Reservation Control configurations.

```
Switch#show ap dot11 24ghz media-stream rrc

Multicast-direct           : Disabled
Best Effort                 : Disabled
Video Re-Direct           : Disabled
Max Allowed Streams Per Radio : Auto
Max Allowed Streams Per Client : Auto
Max Video Bandwidth        : 0
Max Voice Bandwidth        : 75
Max Media Bandwidth        : 85
Min PHY Rate (Kbps)        : 6000
Max Retry Percentage       : 80
```

# show wireless media-stream group

To display the wireless media-stream group information, use the **show wireless media-stream group** command.

**show wireless media-stream group** {*detail groupName*| **summary**}

## Syntax Description

<b>detail</b> <i>groupName</i>	Display media-stream group configuration details of the group mentioned in the command.
<b>summary</b>	Display media-stream group configuration summary

## Command Default

None

## Command Modes

User EXEC mode or Privileged EXEC mode

## Command History

Release	Modification
	This command was introduced.

## Usage Guidelines

None.

## Examples

This example shows how to display the details of the media-stream group named GRP1.

```
Switch#show wireless media-stream group detail GRP1
```

# wireless media-stream multicast-direct

To configure multicast-direct status, use the **media-stream multicast-direct** command. To remove the multicast-direct status, use the no form of the command.

**no wireless media-stream multicast-direct**

## Command Default

None.

## Command Modes

config

## Command History

Release	Modification
	This command was introduced.

## Usage Guidelines

Media stream multicast-direct requires load based Call Admission Control (CAC) to run. WLAN quality of service (QoS) needs to be set to either gold or platinum.

## Examples

This example shows how to configure multicast-direct for a wireless LAN media stream.

```
Switch#configure terminal
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#wireless media-stream multicast-direct
```

## wireless media-stream

To configure various parameters, use the **wireless media-stream** command.

```
wireless media-stream group groupName [startipAddr endipAddr]
```

```
wireless media-stream group { avg-packet-size default exit max-bandwidth no policy qos }
```

```
wireless media-stream { multicast-direct | message [phone phone | URL URL | Notes Notes | Email Email] }
```

### Syntax Description

<b>group</b> <i>groupName</i>	Configure multicast-direct status for a group.
<i>startipAddr</i>	Specifies the start IP Address for the group.
<i>endipAddr</i>	Specifies the End IP Address for the group.
<b>group</b> <i>avg-packet-size</i>	Configure average packet size.
<b>group</b> <i>default</i>	Set a command to its defaults.
<b>group</b> <i>exit</i>	Exit sub-mode.
<b>group</b> <i>max-bandwidth</i>	Configure maximum expected stream bandwidth in Kbps.
<b>group</b> <i>no</i>	Negate a command or set its defaults.
<b>group</b> <i>policy</i>	Configure media stream admission policy.
<b>group</b> <i>qos</i>	Configure over the air QoS class, <'video'> ONLY.
<b>multicast-direct</b>	Configure multicast-direct status.
<b>message</b>	Configure Session Announcement Message.
<b>phone</b> <i>phone</i>	Configure Session Announcement Phone number.
<b>URL</b> <i>URL</i>	Configure Session Announcement URL.
<b>Notes</b> <i>Notes</i>	Configure Session Announcement notes.
<b>Email</b> <i>Email</i>	Configure Session Announcement Email.

**Command Default** Disabled

**Command Modes** config

**Command History****Release****Modification**

This command was introduced.

**Usage Guidelines**

Media-stream multicast-direct requires load-based Call Admission Control (CAC) to run.

**Examples**

This example shows how to configure each media stream and its parameters like expected multicast destination addresses, stream bandwidth consumption and stream priority parameters.

```
Switch#configure terminal  
Enter configuration commands, one per line. End with CNTL/Z.  
Switch(config)#wireless media-stream group GROUP1 231.1.1.1 231.1.1.10
```

