



Command Line Interface Commands

This chapter describes each of the PMC Command Line Interface (CLI) commands in detail.

For each command, this chapter provides the following information, as appropriate:

- Description—Explains what the command does
- Syntax—Shows how to issue the command and describes the meaning of any arguments and options
- Return codes—Describes the meaning of any return codes that the command generates
- Examples—Provides examples of how to use the command
- Related commands—Lists and cross-references related PMC CLI commands

[Table 2-1](#) lists the PMC CLI commands. It also provides a brief description of each command, and a reference to the section that describes the command in detail.



Note

PMC CLI commands are not case sensitive. For example, entering **PMC.EXE -Activate**, **PMC.exe -ACTIVATE**, or **pmc.exe -activate** will execute the same command.

Table 2-1 IPICS CLI Command Summaries

Command	Description	Reference
PMC.EXE -Activate [-line #]	Toggles the Activate/Deactivate button on the specified PTT channel	Activate Command, page 2-4
PMC.EXE -ClearAllDebug	Clears all debug options that are currently selected on the PMC Debug menu	ClearAllDebug Command, page 2-5
PMC.EXE -ClearDebug <i>option</i>	Clears the specified debug option on the PMC Debug menu	ClearDebug Command, page 2-5
PMC.EXE -DownVolume [-line #]	Decreases the volume for the specified PTT channel by a value of 10, to a minimum value of 0	DownVolume Command, page 2-6
PMC.EXE -GetDebug <i>option</i>	Returns a code that indicates whether the specified debug option is selected on the PMC Debug menu	GetDebug Command, page 2-7
PMC.EXE -GetLog <i>file</i>	Returns a code that indicates whether logging to the specified log file is on or off	GetLog Command, page 2-9
PMC.EXE -GetSkin	Returns a code that indicates the currently selected skin	GetSkin Command, page 2-10
PMC.EXE -GetVolume [-line #]	Returns a code that represents the audio output volume that is set for the specified PTT channel	GetVolume Command, page 2-11
PMC.EXE -IsActive [-line #]	Returns a code that designates whether the specified PTT channel is active	IsActive Command, page 2-12
PMC.EXE -IsConfigured [-line #]	Returns a code that designates whether the specified PTT channel is configured	IsConfigured Command, page 2-13
PMC.EXE -IsEnabled [-line #]	Returns a code that designates whether the specified PTT channel is enabled	IsEnabled Command, page 2-13

Table 2-1 IPICS CLI Command Summaries (continued)

Command	Description	Reference
PMC.EXE -IsLatch [-line #]	Determines whether the PMC PTT button for the specified PTT channel is latched	IsLatch Command, page 2-14
PMC.EXE -IsTraffic [-line #]	Determines whether there is any receive (RX) or transmit (TX) traffic on the specified PTT channel	IsTraffic Command, page 2-15
PMC.EXE -IsTxMuted [-line #]	Returns a code that designates whether the specified PTT is muted by Cisco IPICS.	IsTxMuted Command, page 2-15
PMC.EXE -Play file [-line #]	Outputs a wave audio file to the specified PTT channel	Play Command, page 2-16
PMC.EXE -Ptt [-line #]	Latches or unlatches the PMC PTT button for the specified PTT channel	Ptt Command, page 2-17
PMC.EXE -SetAllDebug	Selects all debug options that are available on the PMC Debug menu	SetAllDebug Command, page 2-18
PMC.EXE -SetDebug option	Selects the specified debug option on the PMC Debug menu	SetDebug Command, page 2-19
PMC.EXE -SetVolume level [-line #]	Specifies the audio output volume for the specified PTT channel	SetVolume Command, page 2-20
PMC.EXE -StartLog file	Turns on logging to the specified log file	StartLog Command, page 2-21
PMC.EXE -StopLog file	Turns off logging to the specified log file	StopLog Command, page 2-22
PMC.EXE -UpVolume [-line #]	Increases the volume for the specified PTT channel by a value of 10, to a maximum value of 100	UpVolume Command, page 2-23

Activate Command

The **Activate** command toggles the **Activate/Deactivate** button on the specified PTT channel.

If the **Activate/Deactivate** button is active, issuing this command deactivates it. If the **Activate/Deactivate** button is not active, issuing this command activates it. There are no return codes for this command.

Syntax

The syntax of this command is:

PMC.EXE -Activate [-line #]

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Examples

[Table 2-2](#) shows examples of the **Activate** command.

Table 2-2 Examples of Activate Command Usage

Command	Result
PMC.EXE -Activate	Activates channel 1 if it is not active. Deactivates channel 1 if it is active.
PMC.EXE -Activate -line 1	Activates channel 1 if it is not active. Deactivates channel 1 if it is active.
PMC.EXE -Activate -line 6	Activates channel 6 if it is not active. Deactivates channel 6 if it is active.

Related Command

- [IsActive Command, page 2-12](#)—Returns a code that designates whether the selected channel is active

ClearAllDebug Command

The **ClearAllDebug** command clears all debug options that are currently selected on the PMC Debug menu.

Syntax

The syntax of this command is:

PMC.EXE -ClearAllDebug

Related Commands

- [ClearDebug Command, page 2-5](#)—Clears the specified debug option on the PMC Debug menu
- [GetDebug Command, page 2-7](#)—Returns a code that indicates whether the specified debug option is selected on the PMC Debug menu
- [SetAllDebug Command, page 2-18](#)—Selects all debug options that are available on the PMC Debug menu
- [SetDebug Command, page 2-19](#)—Selects the specified debug option on the PMC Debug menu

ClearDebug Command

The **ClearDebug** command clears the specified debug option on the PMC Debug menu.

Syntax

The syntax of this command is:

PMC.EXE -ClearDebug *option*

The *option* argument is the name of the debug option to clear.

Examples

[Table 2-3](#) shows examples of the **ClearDebug** command.

Table 2-3 Examples of ClearDebug Command Usage

Command	Result
PMC.EXE -ClearDebug lsm	Clears the lsm debug option on the PMC Debug menu
PMC.EXE -ClearDebug auth	Clears the auth debug option on the PMC Debug menu

Related Commands

- [ClearAllDebug Command, page 2-5](#)—Clears all debug options that are currently selected on the PMC Debug menu
- [GetDebug Command, page 2-7](#)—Returns a code that indicates whether the specified debug option is selected on the PMC Debug menu
- [SetAllDebug Command, page 2-18](#)—Selects all debug options that are available on the PMC Debug menu
- [SetDebug Command, page 2-19](#)—Selects the specified debug option on the PMC Debug menu

DownVolume Command

The DownVolume decreases the volume for the specified PTT channel by a value of 10, to a minimum value of 0. This command has the same effect as clicking the PMC **Decrease Volume** button. There are no return codes for this command.

Syntax

The syntax of this command is:

PMC.EXE -DownVolume [-line #]

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Examples

[Table 2-4](#) shows examples of the **DownVolume** command.

Table 2-4 Examples of DownVolume Command Usage

Command	Result
PMC.EXE -DownVolume	If the volume of channel 1 is 50, decreases the volume to 40
PMC.EXE -DownVolume -line 1	If the volume of channel 1 is 75, decreases the volume to 65
PMC.EXE -DownVolume -line 3	If the volume of channel 3 is 37, decreases the volume to 27
PMC.EXE -DownVolume -line 6	If the volume of channel 6 is 5, decreases the volume to 0 (the minimum value)

Related Commands

- [GetVolume Command, page 2-11](#)—Returns a code that represents the audio output volume that is set for the specified PTT channel
- [SetVolume Command, page 2-20](#)—Specifies the audio output volume output for the specified PTT channel
- [UpVolume Command, page 2-23](#)—Has the same effect as clicking the PMC **Increase Volume** button

GetDebug Command

The **GetDebug** command returns a code that indicates whether the specified debug option is selected on the PMC Debug menu.

.Syntax

The syntax of this command is:

PMC.EXE -GetDebug *option*

The *option* argument is the name of the debug option for which to obtain information.

Return Codes

Table 2-5 shows the return codes for the **GetDebug** command.

Table 2-5 Return Codes for the GetDebug Command

Return Code	Meaning
0	The specified debug option is not selected
1	The specified debug option is selected

Examples

Table 2-6 shows examples of the **GetDebug** command.

Table 2-6 Examples of GetDebug Command Usage

Command	Result
PMC.EXE -GetDebug lsm	Returns 0 if the lsm debug option is not selected on the PMC Debug menu. Returns 1 if it is selected.
PMC.EXE -GetDebug auth	Returns 0 if the auth debug option is not selected on the PMC Debug menu. Returns 1 if it is selected.

Related Commands

- [ClearAllDebug Command, page 2-5](#)—Clears all debug options that are currently selected on the PMC Debug menu
- [ClearDebug Command, page 2-5](#)—Clears the specified debug option on the PMC Debug menu
- [SetAllDebug Command, page 2-18](#)—Selects all debug options that are available on the PMC Debug menu
- [SetDebug Command, page 2-19](#)—Selects the specified debug option on the PMC Debug menu

GetLog Command

The **GetLog** command returns a code that indicates whether logging to the specified log file is on or off.

Syntax

The syntax of this command is:

PMC.EXE -GetLog *file*

The *file* argument is one of the following strings, which specifies the log file for which to obtain information:

- **Authentication.log**
- **ChannelActivity.log**
- **UserInterface.log**
- **ChannelStatistics.log**

Return Codes

[Table 2-7](#) shows the return codes for the **GetLog** command.

Table 2-7 Return Codes for the GetLog Command

Return Code	Skin
0	Logging to the specified log file is off
1	Logging to the specified log file is on

Examples

[Table 2-8](#) shows examples of the **GetLog** command.

Table 2-8 Examples of GetLog Command Usage

Command	Result
PMC.EXE -GetLog Authentication.log	Returns 0 if logging to the Authentication.log is off. Returns 1 if logging to this file is on.
PMC.EXE -GetLog UserInterface.log	Returns 0 if logging to the UserInterface.log is off. Returns 1 if logging to this file is on.

Related Commands

- [StartLog Command, page 2-21](#)—Turns on logging to the specified log file
- [StopLog Command, page 2-22](#)—Turns off logging to the specified log file

GetSkin Command

The **GetSkin** command returns a code that indicates the skin that is selected for the PMC. This command recognizes only the skins that are provided with the PMC.

Syntax

The syntax of this command is:

PMC.EXE -GetSkin

Return Codes

[Table 2-9](#) shows the return codes for the **GetSkin** command.

Table 2-9 Return Codes for the GetSkin Command

Return Code	Skin
0	IPICS_Mouse_8_SkinCtrl.xml
1	IPICS_Mouse_4_SkinCtrl.xml
2	IPICS_Touch_8_SkinCtrl.xml

Table 2-9 Return Codes for the *GetSkin* Command (continued)

Return Code	Skin
3	IPICS_Touch_4_SkinCtrl.xml
4	IPICS_Touch_8_LR_SkinCtrl.xml
5	IPICS_Touch_4_LR_SkinCtrl.xml
6 and above	User added skin

GetVolume Command

The **GetVolume** command returns a code that represents the audio output volume that is set for the specified PTT channel.

Syntax

The syntax of this command is:

PMC.EXE -GetVolume [-line #]

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Return Codes

[Table 2-10](#) shows the return codes for the **GetVolume** command.

Table 2-10 Return Codes for the *GetVolume* Command

Return Code	Meaning
0	Minimum volume level
1 through 99	Intermediate volume levels
100	Maximum volume level

Related Commands

- [DownVolume Command, page 2-6](#)—Has the same effect as clicking the PMC **Decrease Volume** button
- [SetVolume Command, page 2-20](#)—Specifies the audio output volume output for the specified PTT channel
- [UpVolume Command, page 2-23](#)—Has the same effect as clicking the PMC **Increase Volume** button

IsActive Command

The **IsActive** command returns a code that designates whether the selected channel is active.

Syntax

PMC.EXE -IsActive [-line #]

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Return Codes

[Table 2-11](#) shows the return codes for the **IsActive** command.

Table 2-11 Return Codes for the IsActive Command

Return Code	Meaning
0	Specified channel is not active
1	Specified channel is active

Related Command

- [Activate Command, page 2-4](#)—Toggles the **Activate/Deactivate** button on the specified PTT channel

IsConfigured Command

The **IsConfigured** command returns a code that designates whether the selected channel has been configured in Cisco IPICS.

Syntax

PMC.EXE -IsConfigured [-line #]

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Return Codes

[Table 2-12](#) shows the return codes for the **IsConfigured** command.

Table 2-12 Return Codes for the IsConfigured Command

Return Code	Meaning
0	Specified channel is not configured
1	Specified channel is configured

IsEnabled Command

The **IsEnabled** command returns a code that designates whether the selected channel is enabled in Cisco IPICS.

Syntax

PMC.EXE -IsEnabled [-line #]

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Return Codes

[Table 2-13](#) shows the return codes for the **IsEnabled** command.

Table 2-13 Return Codes for the IsEnabled Command

Return Code	Meaning
0	Specified channel is not enabled
1	Specified channel is enabled

IsLatch Command

The **IsLatch** command determines whether the PMC **PTT** button for the specified channel is latched. The return code indicates the state of the **PTT** button.

Syntax

The syntax of this command is:

PMC.EXE -IsLatch [-line #]

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Return Codes

[Table 2-14](#) shows the return codes for the **IsLatch** command.

Table 2-14 Return Codes for the IsLatch Command

Return Code	Meaning
0	PTT button is not latched
1	PTT button is latched

Related Command

- [Ptt Command, page 2-17](#)—Latches or unlatches the PMC **PTT** button for the specified PTT channel

IsTraffic Command

The **IsTraffic** command determines whether there is any receive (RX) or transmit (TX) traffic on the specified PTT channel. The return code indicates the type of traffic present.

Syntax

The syntax of this command is:

PMC.EXE -IsTraffic [-line #]

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Return Codes

[Table 2-15](#) shows the return codes for the **IsTraffic** command.

Table 2-15 Return Codes for the IsTraffic Command

Return Code	Meaning
0	No traffic detected
1	Receive traffic detected
2	Transmit traffic detected
3	Receive traffic and transmit traffic detected

IsTxMuted Command

The **IsTxMuted** command returns a code that designates whether the selected channel is muted by Cisco IPICS. When a channel is muted, a PMC user cannot transmit on that channel.

Syntax**PMC.EXE -IsTxMuted [-line #]**

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Return Codes

[Table 2-16](#) shows the return codes for the **IsTxMuted** command.

Table 2-16 Return Codes for the IsTxMuted Command

Return Code	Meaning
0	Specified channel is not muted
1	Specified channel is muted

Play Command

The **Play** command outputs a wave audio file to the specified PTT channel.

Specifically, this command latches the PMC **PTT** button, plays the designated wave file, and then unlatches the **PTT** button. There are no return codes for this command.

Syntax

The syntax of this command is:

PMC.EXE -Play *file* [-line #]

The ***file*** argument is the path and file name of the wave file to play.

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Examples

[Table 2-17](#) shows examples of the **Play** command.

Table 2-17 Examples of Play Command Usage

Command	Result
PMC.EXE -Play C:\sounds\tone.wav	Plays the tone.wav file in the C:\sounds folder to PTT channel 1
PMC.EXE -Play C:\sounds\tone.wav -line 3	Plays the tone.wav file in the C:\sounds folder to PTT channel 3

Ptt Command

The **Ptt** (push-to-talk) command latches or unlatches the PMC **PTT** button for the specified PTT channel.

If the **PTT** button is latched, issuing this command unlatches it. If the **PTT** button is unlatched, issuing this command latches it. There are no return codes for this command.

Syntax

The syntax of this command is:

PMC.EXE -Ptt [-line #]

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Examples

[Table 2-18](#) shows examples of the **Ptt** command.

Table 2-18 Examples of Ptt Command Usage

Command	Result
PMC.EXE -Ptt	Latches the PTT button for channel 1 if it is not latched. Unlatches this button if it is latched.

Table 2-18 Examples of Ptt Command Usage (continued)

Command	Result
PMC.EXE -Ptt -line 1	Latches the PTT button for channel 1 if it is not latched. Unlatches this button if it is latched.
PMC.EXE -Ptt -line 8	Latches the PTT button for channel 8 if it is not latched. Unlatches this button if it is latched.

Related Command

- [IsLatch Command, page 2-14](#)—Determines whether the PMC **PTT** button for the specified channel is latched

SetAllDebug Command

The **SetAllDebug** command selects all debug options that are available on the PMC Debug menu.

**Note**

Some debug options are not available until at least one PTT channel has been activated.

Syntax

The syntax of this command is:

PMC.EXE -SetAllDebug

Related Commands

- [ClearAllDebug Command, page 2-5](#)—Clears all debug options that are currently selected on the PMC Debug menu
- [ClearDebug Command, page 2-5](#)—Clears the specified debug option on the PMC Debug menu

- [GetDebug Command, page 2-7](#)—Returns a code that indicates whether the specified debug option is selected on the PMC Debug menu
- [SetDebug Command, page 2-19](#)—Selects the specified debug option on the PMC Debug menu

SetDebug Command

The **SetDebug** command selects the specified debug option on the PMC Debug menu.



Note

Some debug options are not available until at least one PTT channel has been activated.

Syntax

The syntax of this command is:

PMC.EXE -SetDebug *option*

The *option* argument is the name of the debug option to select.

Examples

[Table 2-19](#) shows examples of the **SetDebug** command.

Table 2-19 Examples of SetDebug Command Usage

Command	Result
PMC.EXE -SetDebug lsm	Sets the lsm debug option on the PMC Debug menu
PMC.EXE -SetDebug auth	Sets the auth debug option on the PMC Debug menu

Related Commands

- [ClearAllDebug Command, page 2-5](#)—Clears all debug options that are currently selected on the PMC Debug menu
- [ClearDebug Command, page 2-5](#)—Clears the specified debug option on the PMC Debug menu

- [GetDebug Command, page 2-7](#)—Returns a code that indicates whether the specified debug option is selected on the PMC Debug menu
- [SetAllDebug Command, page 2-18](#)—Selects all debug options that are available on the PMC Debug menu

SetVolume Command

The **SetVolume** command specifies the audio output volume for the specified PTT channel. It also returns a code that represents the output volume.

Syntax

The syntax of this command is:

PMC.EXE -SetVolume *level* [-line #]

The *level* argument is a number, 0 through 100, which specifies the output volume. The minimum volume level is 0, and the maximum volume level is 100.

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Return Codes

[Table 2-20](#) shows the return codes for the **SetVolume** command.

Table 2-20 Return Codes for the SetVolume Command

Return Code	Meaning
0	Minimum volume level
1 through 99	Intermediate volume levels
100	Maximum volume level

Examples

[Table 2-21](#) shows examples of the **SetVolume** command.

Table 2-21 Examples of SetVolume Command Usage

Command	Result
PMC.EXE -SetVolume 100	Sets the output volume for channel 1 to the maximum level
PMC.EXE -SetVolume 1 -line 2	Sets the output volume for channel 2 to the minimum level
PMC.EXE -SetVolume 50 -line 5	Sets the output volume for channel 5 to an intermediate level

Related Commands

- [DownVolume Command, page 2-6](#)—Has the same effect as clicking the PMC **Decrease Volume** button
- [GetVolume Command, page 2-11](#)—Returns a code that represents the audio output volume that is set for the specified PTT channel
- [UpVolume Command, page 2-23](#)—Has the same effect as clicking the PMC **Increase Volume** button

StartLog Command

The **StartLog** command turns on logging to the specified log file.

Syntax

The syntax of this command is:

PMC.EXE -StartLog *file*

The *file* argument is one of the following strings, which specifies the log file for which to turn on logging:

- **Authentication.log**
- **ChannelActivity.log**
- **UserInterface.log**
- **ChannelStatistics.log**

Examples

Table 2-22 shows examples of the **StartLog** command.

Table 2-22 Return Codes for the StartLog Command

Command	Result
PMC.EXE -StartLog Authentication.log	Turns on logging to the Authentication.log log file
PMC.EXE -StartLog ChannelActivity.log	Turns on logging to the ChannelActivity.log log file

Related Commands

- [GetLog Command, page 2-9](#)—Returns a code that indicates whether logging to the specified log file is on or off
- [StopLog Command, page 2-22](#)—Turns off logging to the specified log file

StopLog Command

The **StopLog** command turns off logging to the specified log file.

Syntax

The syntax of this command is:

PMC.EXE -StopLog *file*

The *file* argument is one of the following strings, which specifies the log file for which to turn off logging:

- **Authentication.log**
- **ChannelActivity.log**
- **UserInterface.log**
- **ChannelStatistics.log**

Examples

[Table 2-23](#) shows examples of the **StopLog** command.

Table 2-23 Return Codes for the StopLog Command

Command	Result
PMC.EXE -StopLog Authentication.log	Turns off logging to the Authentication.log log file
PMC.EXE -StopLog ChannelActivity.log	Turns off logging to the ChannelActivity.log log file

Related Commands

- [GetLog Command, page 2-9](#)—Returns a code that indicates whether logging to the specified log file is on or off
- [StartLog Command, page 2-21](#)—Turns on logging to the specified log file

UpVolume Command

The **UpVolume** command increases the volume for the specified PTT channel by a value of 10, to a maximum value of 100. This command has the same effect as clicking the PMC **Increase Volume** button. There are no return codes for this command.

Syntax

The syntax of this command is:

PMC.EXE -UpVolume [-line #]

The **-line #** option, where # is a number 1 through 8, specifies the PTT channel to which this command applies. If you omit this option, the command will apply to channel 1.

Examples

[Table 2-24](#) shows examples of the **UpVolume** command.

Table 2-24 Examples of UpVolume Command Usage

Command	Result
PMC.EXE -UpVolume	If the volume of channel 1 is 20, increases the volume to 30
PMC.EXE -UpVolume -line 1	If the volume of channel 1 is 65, increases the value to 75
PMC.EXE -UpVolume -line 3	If the volume of channel 3 is 52, increases the value to 62
PMC.EXE -UpVolume -line 5	If the volume of channel 5 is 97, increases the value to 100 (the maximum value)

Related Commands

- [DownVolume Command, page 2-6](#)—Has the same effect as clicking the PMC **Decrease Volume** button
- [GetVolume Command, page 2-11](#)—Returns a code that represents the audio output volume that is set for the specified PTT channel
- [SetVolume Command, page 2-20](#)—Specifies the audio output volume output for the specified PTT channel