

# CallManager Music On Hold Volume Adjustment

Document ID: 68150

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## Introduction

This document describes the procedure to change the default Music On Hold (MOH) volume level in Cisco CallManager. During the conversion of dropped audio files, the Default MOH Volume Level parameter controls the volume level. The maximum and minimum volume levels are 0 and -48 decibels (dB), respectively.

## Prerequisites

### Requirements

Cisco recommends that you have knowledge of these topics:

- Cisco CallManager
- Cisco MOH Audio Translator

### Components Used

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

- Cisco CallManager Version 3.x and later

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

### Conventions

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

## Background Information

In order to add an MOH audio source, you need a music file with good quality. MP3 or Waveform Audio (WAV) are the preferred formats. Other formats can cause problems, such as distorted music. The Cisco MOH Audio Translator service converts audio source files into various coder-decoders so that the MOH feature can use them. Cisco CallManager automatically installs this service when you install the Cisco IP Voice Media Streaming application.

The MOH Audio Translator service automatically translates audio files that you place in the input directory. The installation program creates the directory C:\Cisco\DropMOHAudioSourceFilesHere during installation.

After MOH Audio Translator adds an audio file in the input directory, this file is converted to five WAV files and an Extensible Markup Language (XML) file. The files go in the directory C:\ProgramFiles\Cisco\TFTPPath\MOH.

The suffixes for these files are:

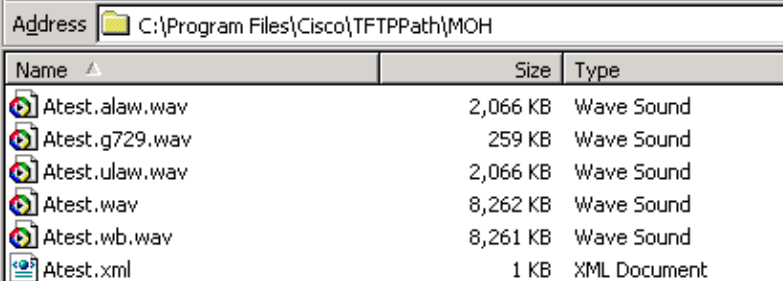
- alaw.wav
- au
- g729.wav
- ulaw.wav
- wb.wav
- xml

For example, if the audio file is atest.wav, the converted files are:

- atest.alaw.wav
- atest.au
- atest.g729.wav
- atest.ulaw.wav
- atest.wb.wav
- atest.xml

See Figure 1.

**Figure 1 Converted Wav Files**



Name	Size	Type
Atest.alaw.wav	2,066 KB	Wave Sound
Atest.g729.wav	259 KB	Wave Sound
Atest.ulaw.wav	2,066 KB	Wave Sound
Atest.wav	8,262 KB	Wave Sound
Atest.wb.wav	8,261 KB	Wave Sound
Atest.xml	1 KB	XML Document

## MOH Volume Level

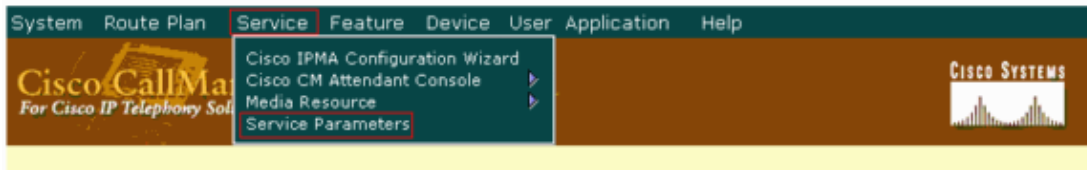
When the Cisco MOH Audio Translator service converts audio source files, the Default MOH Volume Level parameter specifies the MOH volume level in decibels.

Complete these steps to change this parameter:

1. Select **Start > Programs > Cisco CallManager > version number > CallManager Administration**.
2. Click **Service** in the menu bar and select **Service Parameters**.

See Figure 2.

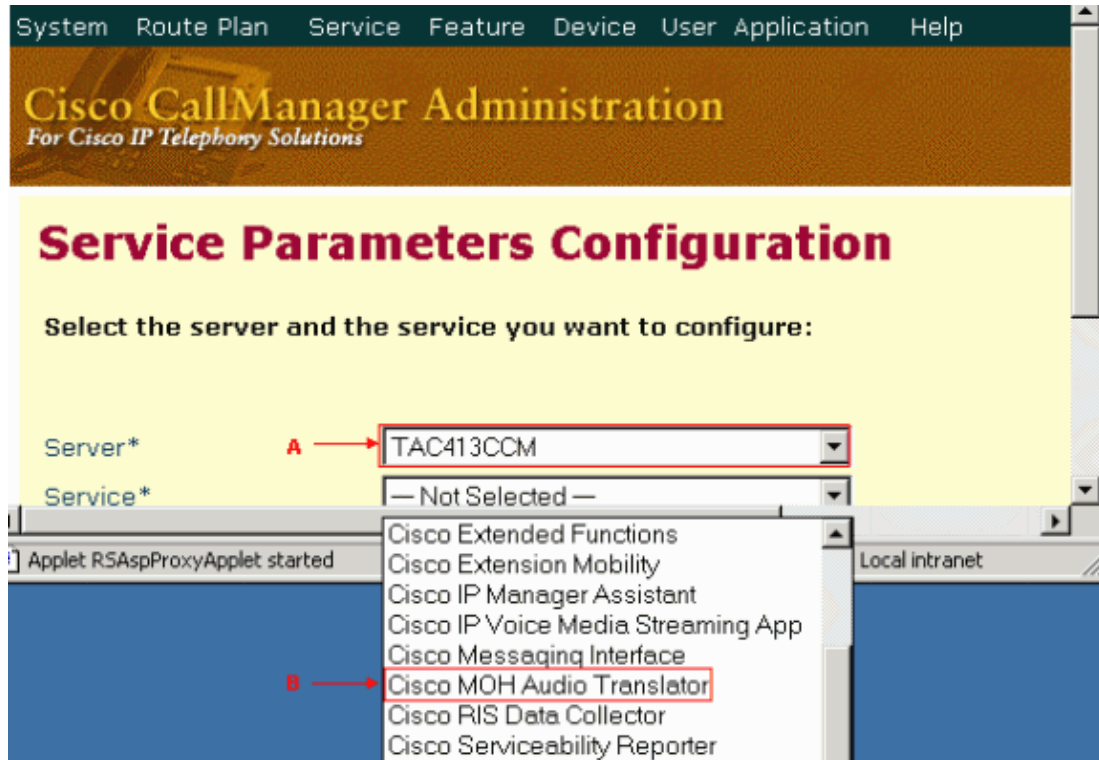
**Figure 2 Selection of Service Parameters**



3. Select the server name from the Server drop-down list.

See arrow A in Figure 3.

**Figure 3 Service Parameters Configuration : 1**



4. Select Cisco MOH Audio Translator from the Service drop-down list.

See arrow B in Figure 3.

5. Click the **Advanced** button above the General Parameters section.

6. Locate Default MOH Volume Level under the Clusterwide Parameters section.

Clusterwide Parameters (Parameters that apply to all servers)		
Parameter Name	Parameter Value	Suggested Value
Default MOH Volume Level*	<input type="text" value="-24"/>	-24

7. Set the volume level.

The default is -24 dB. The minimum and maximum are -48 and 0 dB respectively. Changes to this parameter automatically take effect within 60 seconds.

Changes to this parameter only affect audio files that are processed after the change occurs.

## Related Information

- **Voice Technology Support**
  - **Voice and Unified Communications Product Support**
  - **Recommended Reading: Troubleshooting Cisco IP Telephony**
  - **Technical Support & Documentation – Cisco Systems**
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Updated: Feb 02, 2006

Document ID: 68150

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