

# Configure and Troubleshoot PLAR for Analog Phone (ATA 190)

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## Introduction

This document describes how to configure and Troubleshoot Public Line Automatic Ringdown (PLAR) for Cisco Analog Telephone Adapter (ATA) 190 in Cisco Unified Communication Manager Solution (CUCM).

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## Prerequisites

### Requirements

Cisco recommends that you have knowledge of these topics:

- ATA basic configuration
- CUCM basic configuration

### Components Used

- Cisco Unified Communications Manager 11.5.1.12018-1
- ATA 190 version ATA190.1-2-2-003

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.

## Background Information

The Cisco ATA 190 Series Analog Telephone Adapters are standards-based communications

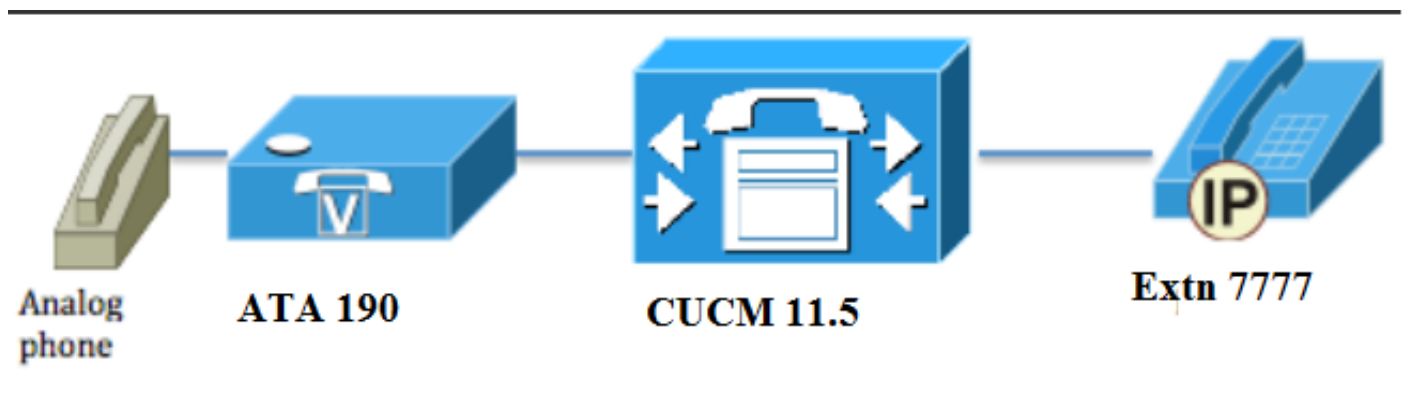
devices that turn traditional telephone and fax communications devices into IP devices. The adaptors are managed from your network and addresses the need of users that connect to enterprise networks, small offices, or voice-over-IP (VoIP) services from the cloud.

ATA 190 is a Session Initiation Protocol (SIP) device. PLAR is common feature for ATA devices.

PLAR is a feature which sends a call to one preconfigured extension once off-hook, known as hot-dial configuration.

## Configure

### Network Diagram



### Configurations

Step 1. Enter the value **PT-Hotdial** in order to create a new partition.

**Partition Information**

Name*	<input type="text" value="PT-Hotdial"/>
Description	<input type="text" value="PT-Hotdial"/>
Time Schedule	<input type="text" value=" &lt; None &gt;"/>
Time Zone	<input checked="" type="radio"/> Originating Device <input type="radio"/> Specific Time Zone <input type="text" value="(GMT) Etc/GMT"/>

Step 2. Enter the new Calling Search Space (CSS) value **CSS-Hotdial** and add Partition **PT-Hotdial** in **CSS-Hotdial**, as shown in the image:

### Calling Search Space Information

Name\*

Description

### Route Partitions for this Calling Search Space

Available Partitions\*\*

- Directory URI
- Global Learned E164 Numbers
- Global Learned E164 Patterns
- Global Learned Enterprise Numbers
- Global Learned Enterprise Patterns



Selected Partitions

- PT-Hotdial



Step 3. Create new Translation pattern with blank pattern.

### Pattern Definition

**Translation Pattern**

**Partition**

Description

Numbering Plan

Route Filter

MLPP Precedence\*

Resource Priority Namespace Network Domain

Route Class\*

**Calling Search Space**

Use Originator's Calling Search Space

External Call Control Profile

Route Option

Route this pattern

Block this pattern

Provide Outside Dial Tone

Urgent Priority

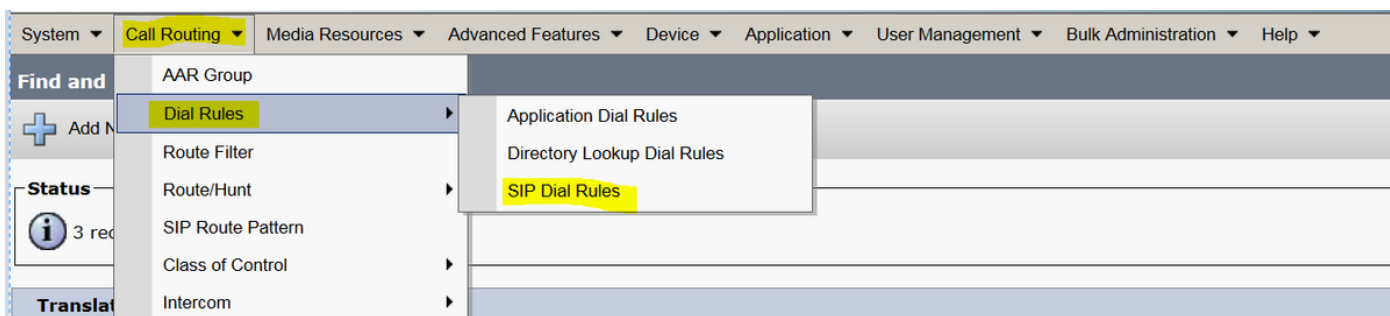
As shown in the image, keep the **Called Party Transform Mask** as the destination number.

### Called Party Transformations

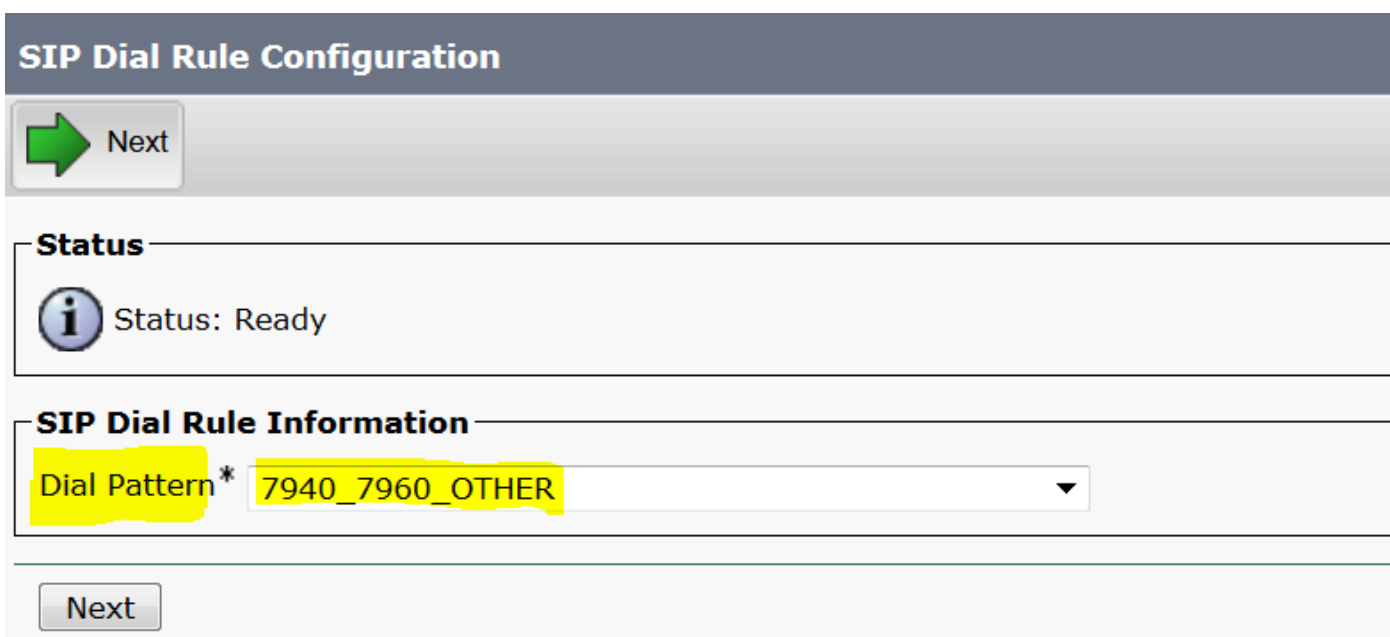
Discard Digits	< None >
Called Party Transform Mask	7777
Prefix Digits (Outgoing Calls)	
Called Party Number Type*	Cisco CallManager
Called Party Numbering Plan*	Cisco CallManager

Step 4. To work PLAR/Hotdial configuration you have to create the SIP dial rule.

In Cisco Unified Communications Manager Administration, navigate to **Call Routing > Dial Rules > SIP Dial Rules**.



Now **Add New**, under **Dial Pattern** select **7940\_7960\_OTHER** and click **Next**, as shown in the image:



Enter a name for the pattern and click **save**. For example, PLAR, as shown in the image:

## SIP Dial Rule Configuration



Save

### Status



Status: Ready

### SIP Dial Rule Information

Name\*

Description

Dial Pattern

Save

As shown in the image, type a description and click on **Add Plar** and click **Save**.

### Pattern Addition

Pattern Description

Add Pattern

Add Plar

Save

Delete

Reset

Apply Config

Add New

### Status



Status: Ready

### SIP Dial Rule Information

Name\*

Description

Dial Pattern

### Pattern Information

Description	Delete Pattern	Dial Parameter	Value	Delete Parameter
ATA	<input type="checkbox"/>	Pattern		<input type="checkbox"/>

Add New Parameter Delete Selected

### Pattern Addition

Pattern Description

Add Pattern Add Plar

Save

Delete

Reset

Apply Config

Add New

**Note:** Ensure you do not type anything under **Value**. It has to be empty and under Dial Parameter it has to be Pattern

Step 5. Assign the SIP Dial Rules and CSS on the ATA device.

- Assign the CSS on the ATA device (DN - Line CSS)

**Directory Number Information**

Directory Number\* 3010  Urgent Priority

Route Partition PT-CUG

Description Phone B

Alerting Name Phone B

ASCII Alerting Name Phone B

External Call Control Profile < None >

Associated Devices ATA34DBFD180825

[Edit Device](#)

[Edit Line Appearance](#)

Dissociate Devices

**Directory Number Settings**

Voice Mail Profile < None > (Choose <None> to use system default)

Calling Search Space CSS-Hotdial

BLF Presence Group\* Standard Presence group

- Assign the SP dial Rule on the device configuration page.

**Protocol Specific Information**

Packet Capture Mode\* None

Packet Capture Duration 0

BLF Presence Group\* Standard Presence group

SIP Dial Rules PLAR

MTP Preferred Originating Codec\* 711ulaw

Device Security Profile\* Cisco ATA 190 - Standard SIP Non-Secure Profile

## Verify

Go off hook on the analog phone connected to the ATA and you should be able to see the destination phone ringing. You should also hear ring back tone on the analog phone.

## Troubleshoot

- Check the ATA firmware supported for the PLAR configuration.
- Check the ATA device registered and DN send/receive the call.
- If still PLAR not working, remove the SIP dial rule from phone configuration page and re-assign the same.