

# **Al Integration Guide**

Yeastar P-Series Software Edition



## Contents

Al Integration Overview	
Al Text-to-Speech	2
Al Text-to-Speech Overview	2
Enable AI Text-to-Speech	3
Generate Audio Prompts using AI Text-to-Speech	4
Al Transcription	14
Al Transcription Overview	14
Configuration for Al Voicemail Transcription	16
Enable AI Voicemail Transcription	16
Configure AI Voicemail Transcription for an Extension	18
Configuration for AI Call Transcription	22
Enable AI Call Transcription	22
Configure AI Call Transcription for an Extension	24
Access Transcription Usage Details Report	26

## **Al Integration Overview**

Yeastar P-Series Software Edition provides advanced speech and text processing capabilities powered by built-in artificial intelligence (AI), designed to enhance user experience and improve work efficiency. This topic provides an overview of the supported AI-powered processing features.

### Al Text-to-Speech

With AI Text-to-Speech, you can automatically convert text into natural, lifelike speech, which is available when creating system greetings, announcements, and other voice prompts, allowing organizations to deliver more dynamic and personalized interactions for users.

For more information, see Al Text-to-Speech Overview.

## **Al Transcription**

### **Voicemail Transcription**

Al Voicemail Transcription automatically converts voicemail audio into accurate, readable text. Eliminating the need to replay voicemail messages, users can efficiently view and manage voicemails as text, simplifying information access and follow-ups.

## **Call Transcription**

Al Call Transcription automatically transcribes calls between two parties into readable texts in real time and generates summaries after calls end, helping users efficiently review call transcript, key points and to-do items.

For more information, see Al Transcription Overview.

## Al Text-to-Speech

## Al Text-to-Speech Overview

Yeastar P-Series Software Edition supports an AI-powered Text-to-Speech (TTS) feature, which can convert text into lifelike speech. With TTS, you can easily create greetings or audio prompts simply by entering text, eliminating the need to record or upload audio files manually.

## Requirements

• Firmware: 83.19.0.110 or later

• Subscription: Enterprise Plan or Ultimate Plan

### **Highlights**

#### **Enhanced efficiency**

Instantly create and update audio prompts by simply editing text, without the need of recording, greatly saving time and resources.

### Multi-language support

Offer a variety of language options, which can generate speech in different languages to meet diverse user needs.

## Personalized settings

Choose from multiple standard and neural voice profiles, and adjust audio settings and flexibly adjust audios to match your requirements.

## **Multiple scenarios**

Apply TTS-generated audio in IVR, queues, ring groups, and more, enhancing various communication scenarios.

## **Configuration steps**

To start using the Al-powered Text-to-Speech (TTS) feature, follow the steps below.

#### 1. Enable the Al Text-to-Speech feature

Enable the Al-powered Text-to-Speech (TTS) feature with a single click. After the feature is enabled, you can generate audio files via TTS when setting up custom prompts or greetings.

For more information, see Enable Al Text-to-Speech.

2. Generate audio prompts using the Al Text-to-Speech feature

Create audio prompts for specific features by entering your desired text content and customizing audio settings such as language, voice profile, speed, and volume to meet your requirements.

For more information, see Generate Audio Prompts using AI Text-to-Speech.

## **Enable Al Text-to-Speech**

To use the Text-to-Speech (TTS) feature, you need to enable it first. This topic describes how to enable AI Text-to-Speech.

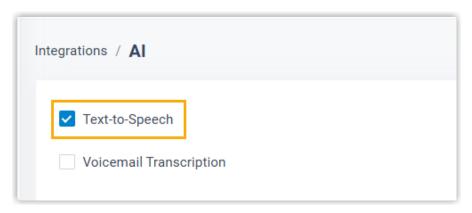
### Requirements

• Firmware: 83.19.0.110 or later

Subscription: Enterprise Plan or Ultimate Plan

#### **Procedure**

- 1. Log in to PBX web portal, go to **Integrations > AI**.
- 2. Select the checkbox of **Text-to-Speech**.



3. Click Save.

#### Result

The AI Text-to-Speech feature is enabled.

#### What to do next

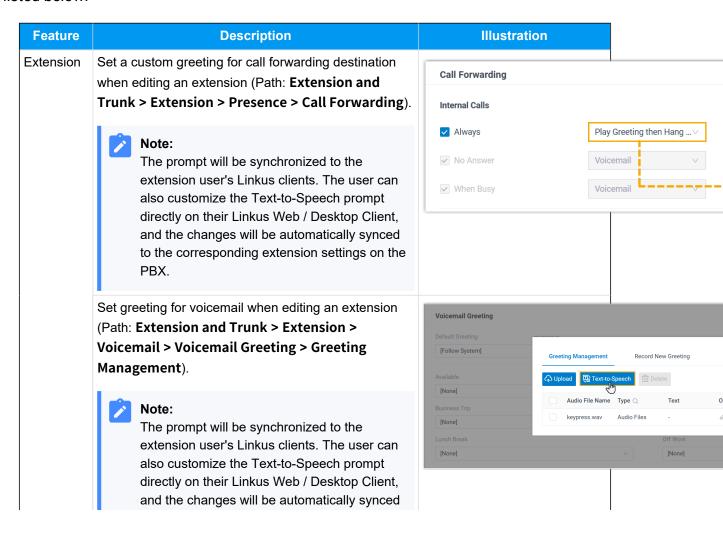
Generate Audio Prompts using Al Text-to-Speech

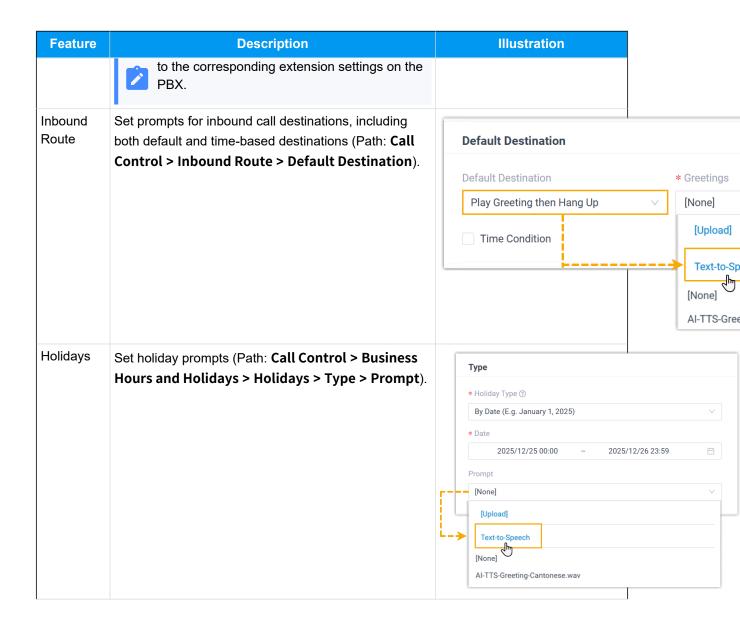
## Generate Audio Prompts using Al Text-to-Speech

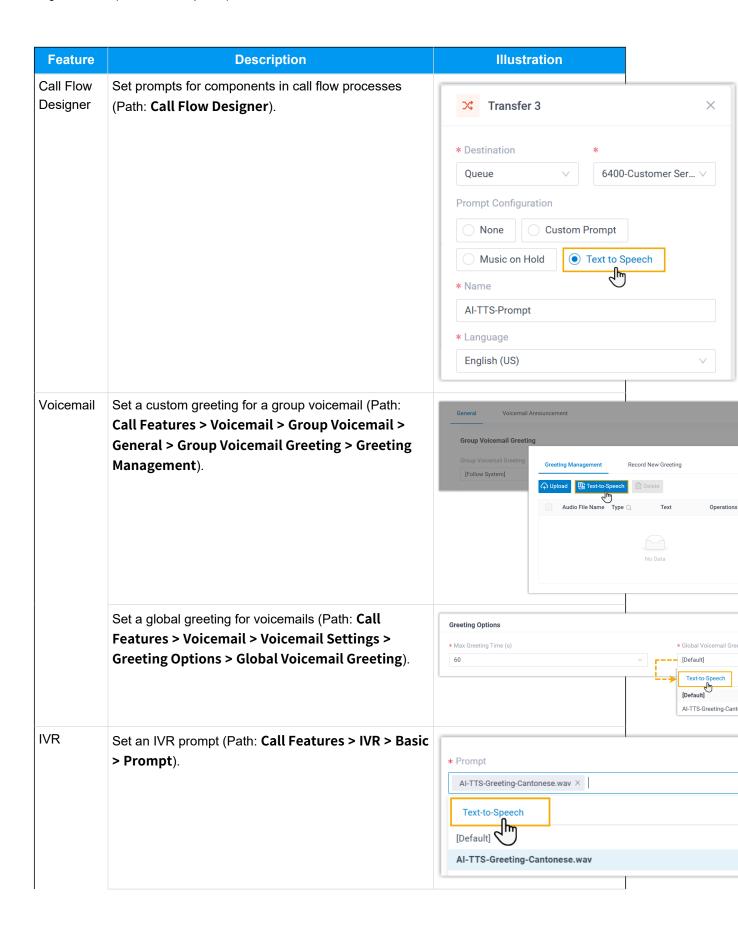
This topic lists the features that support setting up prompts using the AI Text-to-Speech feature, and describes how to configure and generate natural-sounding audio prompts.

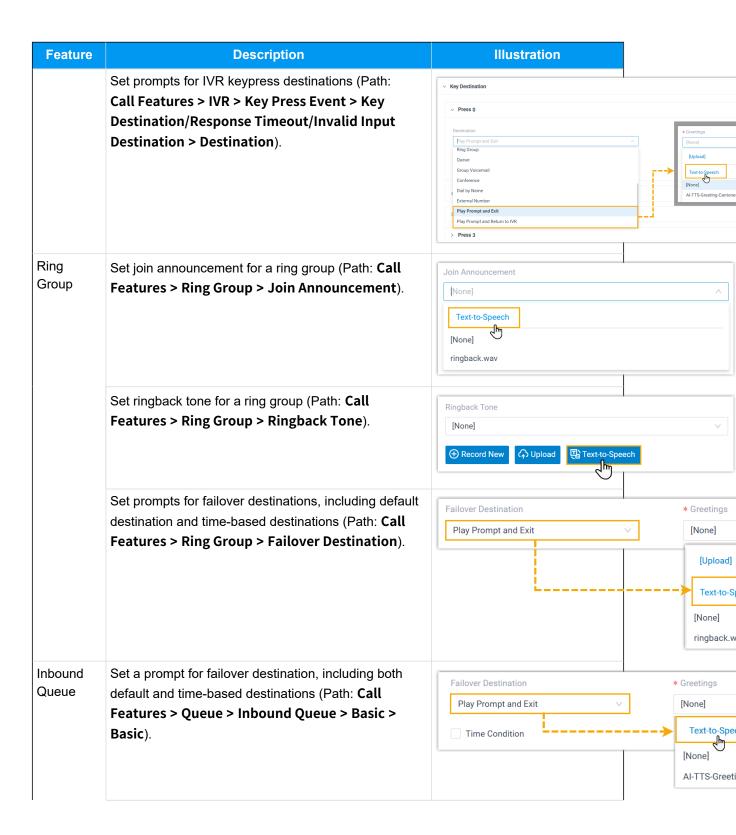
#### Introduction

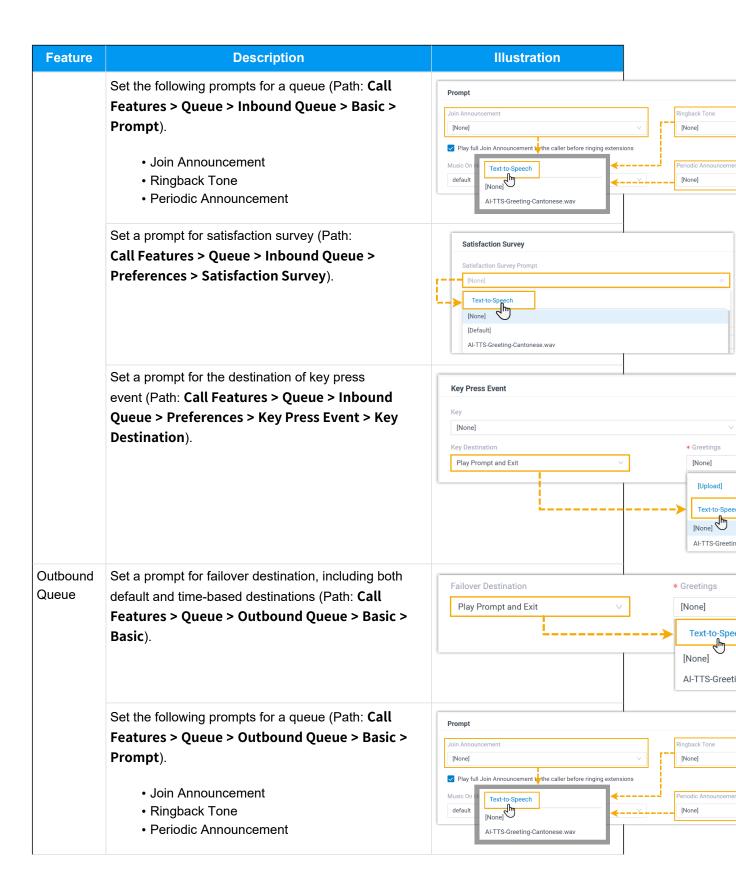
You can use AI Text to Speech (TTS) to generate prompts and greetings for all the features listed below.

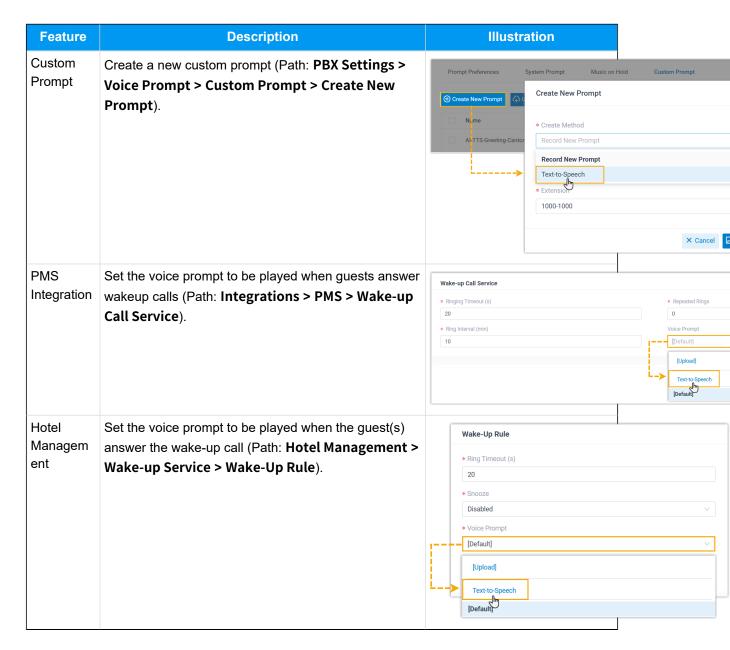










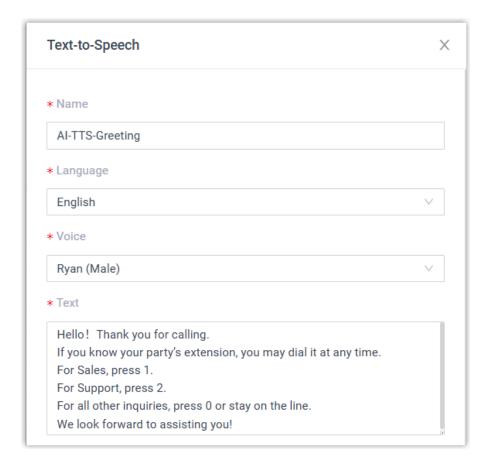


## **Prerequisites**

You have enabled AI Text-to-Speech.

#### **Procedure**

- 1. Access the corresponding menu of a specific feature, and click **Text-to-Speech**.
- 2. In the pop-up window, specify the prompt details.



- Name: Specify a name for the prompt to help you identify it.
- Language: Select the language for the prompt.
- Voice: Select a voice profile for the prompt.
- **Text**: Enter the content to be converted to audio.



#### Note:

The text content should be in the same language as the audio prompt.

- 3. **Optional:** Adjust audio settings and preview the prompt as needed.
  - a. On the **Speed**, **Volume**, and **Pitch** sliders, adjust the desired values to your preference.



#### Note:

The **Pitch** option is only available when you set **Language** to **Arabic**, **English (Wales)**, **Icelandic**, **Romanian**, **Russian** or **Welsh**.



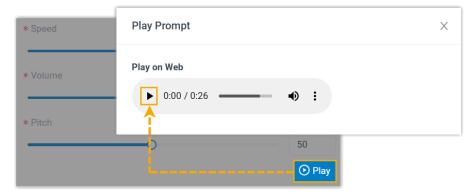
b. To preview the audio prompt, click **Listen**.



The button displays **Generating**, and then change to **Play** after the audio prompt is successfully generated.



c. Click **Play**, then click in the pop-up window to listen to the audio prompt on web.



4. Click Save.

#### Result

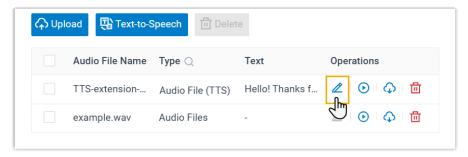
- The audio prompt is saved and can be applied to the specific feature.
- You can easily update the prompt by modifying the text or adjusting the audio settings after it has been added.



#### Note:

Some robotic-sounding voices are no longer supported starting from firmware 83.20.0.128. Prompts previously generated with these discontinued voice options remain available for use, but can not be edited.

• For extensions, go to Extension and Trunk > Extension > Voicemail > Voicemail Greeting > Greeting Management.



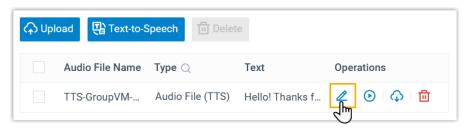
For group voicemails, go to Call Features > Voicemail > Group Voicemail Greeting > Greeting Management.



#### Note:



Prompts added in **Voicemail Settings** are synchronized and managed in the custom prompt list.



For other features supporting AI Text-to-Speech, go to PBX Settings > Voice
 Prompt > Custom Prompt.



## Al Transcription

## Al Transcription Overview

Yeastar P-Series Software Edition supports AI transcription feature for voicemail messages and calls, which can convert voicemail and call audio into readable text using the built-in artificial intelligence (AI), allowing users to quickly review voicemail messages and call summaries.

## Requirements and restriction

### Requirements

Item	Requirement
Firmware	<ul> <li>For Al Voicemail Transcription feature: 83.19.0.110 or later.</li> <li>For Al Call Transcription feature: 83.20.0.74 or later.</li> </ul>
Subscription	<ul> <li>Subscribe to Enterprise Plan or Ultimate Plan to ensure Al transcription is available.</li> </ul>
	Note: You can get started with the AI transcription feature using the free transcription minutes that come with your subscription plan (120 minutes for Enterprise Plan or 240 minutes for Ultimate Plan).
	<ul> <li>Expand transcription minutes as needed by subscribing to the Transcription service (Path: Plan &gt; Add-on Subscription).</li> </ul>
	Transcription  Provide accurate Al transcription for voicemail audio. Read intuitive text to eliminate the hassle of replimprove productivity.

#### Restriction

The built-in AI voicemail transcription can NOT be used simultaneously with the third-party Speech-to-Text (STT) API integration on the PBX system.

### **Highlights**

### Instant & accurate transcription

Deliver accurate voicemail-to-text and call-to-text conversion, allowing users to easily review and prioritize important messages.

#### Effortless transcript review & adjustment

Allow users to easily review, edit, and fine-tune the Al-generated transcripts to clarify information, add personal notes and clear key points.

### Flexible transcription modes

Support both automatic and manual transcription modes, allowing users to choose whether to transcribe voicemails and calls automatically or only when needed.

### Multi-language support

Provide multiple languages for transcribing of voicemails and calls. Extension users can set their preferred transcription language individually.

## **Configuration steps**

#### 1. Enable and Configure AI transcription feature

Enable the AI transcription feature for the system. Set the desired transcription language and specify which extensions are allowed to use the transcription feature.

For more information, see <u>Enable AI Voicemail Transcription</u> and <u>Enable AI Call Transcription</u>.

#### 2. Customize Al transcription for extensions

After transcription enabled, voicemail messages or calls for authorized extensions can be transcribed into readable text. You can configure the transcription mode (either automatic or manual) and preferred transcription language for each extension individually.

For more information, see <u>Configure Al Voicemail Transcription for an Extension</u> and <u>Configure Al Call Transcription for an Extension</u>.

#### 3. View Al transcription report

View the used and total transcription minutes, allowing efficient monitoring and management on the AI transcription usage.

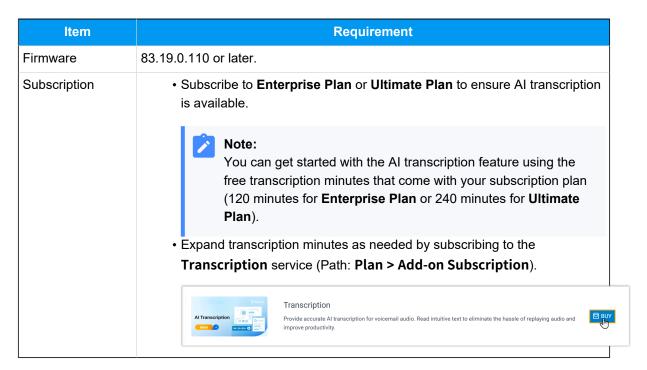
For more information, see Access Transcription Usage Details Report.

## Configuration for Al Voicemail Transcription

## **Enable AI Voicemail Transcription**

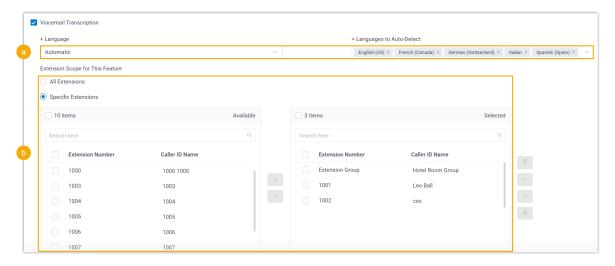
Al voicemail transcription can converts voicemail audio into readable text using the built-in artificial intelligence (AI), allowing users to quickly review voicemail messages. This topic describes how to enable AI voicemail transcription.

## Requirements



#### **Procedure**

- 1. Log in to PBX web portal, go to **Integrations > AI**.
- 2. Select the checkbox of **Voicemail Transcription** to enable the feature.
- 3. Configure voicemail transcription settings:



- a. Set the transcription language.
  - Language: In the drop-down list, select the desired language in which group voicemail messages will be transcribed.
  - Languages to Auto-Detect: If you set the Language to Automatic, select the desired languages for auto detection.

The system will automatically detect and transcribe voicemail messages in the selected languages.



#### Note:

- You can select up to 5 languages for auto-detection simultaneously.
- Only one region can be selected per language. For example, you cannot select both English (UK) and English (US) at the same time.
- b. In the Extension Scope for This Feature section, specify which extensions / extension groups / departments are allowed to use voicemail transcription feature.
  - All Extensions: All extensions can use this feature.
  - Specific Extensions: Only selected extensions can use this feature.
- 4. Click Save.

#### Result

• The AI voicemail transcription feature is enabled. The system will automatically transcribe both group and extension voicemail messages into readable texts in the specified languages.



#### Note:

Messages delivered to extension voicemails, including those from group voicemails in **Broadcast to Members** mode, are transcribed in the language individually configured for each extension (Path: **Extension and Trunk > Extension > AI > Voicemail Transcription > Language**). For more information, see Configure AI Voicemail Transcription for an Extension.

- The system automatically monitors transcription usage and sends notifications when specific capacity thresholds are reached:
  - When transcription usage reaches 90% and 95% of the total capacity, the PBX sends a notification Your Al Transcription Usage is Reaching the Capacity Limit to notify relevant contacts.
  - When the total capacity is fully used, the PBX sends a notification Al Transcription Limit Reached to notify relevant contacts.



#### Note:

You can also check the usage details of AI transcription in call reports. For more information, see <u>Access Transcription Usage Details Report</u>.

## Configure Al Voicemail Transcription for an Extension

After AI voicemail transcription is enabled, voicemail messages for authorized extensions are automatically transcribed in a preset language. You can adjust the transcription settings for extensions individually to meet their specific needs.



#### Note:

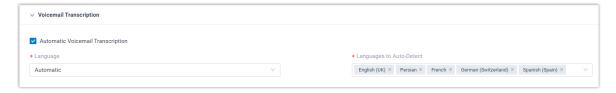
Extension users can also customize the AI voicemail transcription settings directly on their Linkus clients, and the changes will be automatically synchronized to the corresponding extension settings on the PBX.

## **Prerequisites**

You have <u>enabled Al voicemail transcription</u> and granted the usage permission for the desired extension.

## **Procedure**

- 1. Log in to PBX web portal, go to **Extension and Trunk > Extension**.
- 2. Click desired extension, then click the AI tab.
- 3. In the **Voicemail Transcription** section, configure the following settings.



Setting	Description
Automatic Voicemail Transcription	Specify whether to automatically transcribe voicemail messages for the extension.
	This option is enabled by default. If disabled, extension users need to manually trigger transcription for specific voicemails on their Linkus clients when needed (Path: <b>Voicemails</b> ).
Language	In the drop-down list, select the desired language in which group voicemail messages will be transcribed.
Languages to Auto-Detect	If you set the <b>Language</b> to <b>Automatic</b> , select the desired languages for auto detection.
	The system will automatically detect and transcribe voicemail messages in the selected languages.
	<ul> <li>Note: <ul> <li>You can select up to 5 languages for auto-detection simultaneously.</li> <li>Only one region can be selected per language. For example, you cannot select both English (UK) and English (US) at the same time.</li> </ul> </li> </ul>

4. Click Save.

#### Result

• Messages delivered to the extension's voicemail will be transcribed into text in the specified language, either automatically or manually.



#### Note:

Messages from group voicemails in **Shared by Members** mode still follows the global transcription language setting (Set in **Integrations > AI > Voice-mail Transcription > Language**).

• Extension users can access the transcribed texts through the following methods:

#### **Linkus UC Clients**

Users can view the transcribed text for each voicemail on their Linkus UC Clients (Path: **Voicemails**). The transcribed voicemail messages are marked with an icon  $\triangle$ .



#### Note:

Users can edit or refine the texts by clicking **Edit** (for Web/ Desktop Client) or tapping (for Mobile Client) to correct names, clarify information, or add personal notes for future reference.



#### **Email**

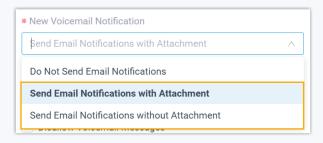
Users can see the transcribed text included in the body of the email notification for each received voicemail.

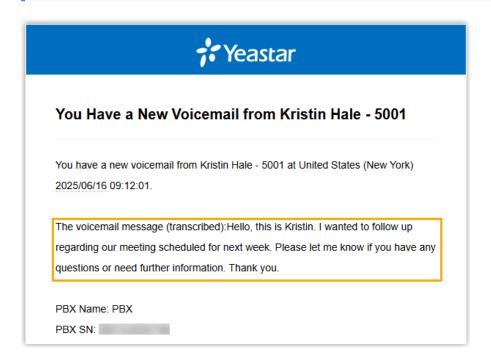


#### Note:

This method is only available when the following settings are enabled for the extension:

- Automatic Voicemail Transcription is enabled.
- Voicemail to Email feature is enabled (Path: Extension and Trunk > Extension > Voicemail > New Voicemail Notification).



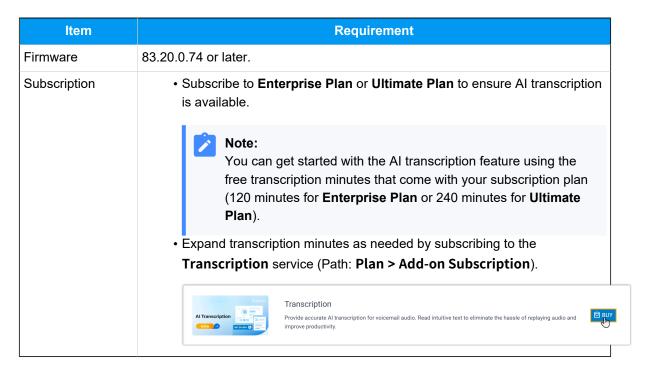


## Configuration for AI Call Transcription

## **Enable AI Call Transcription**

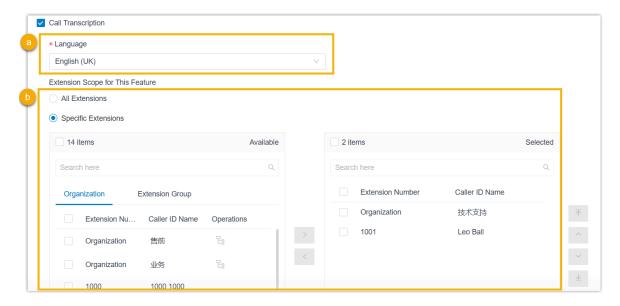
Al call transcription can transcribe calls between two parties into readable text in real time and automatically generate call summaries. This topic describes how to enable Al call transcription.

## Requirements



#### **Procedure**

- 1. Log in to PBX web portal, go to **Integrations > AI**.
- 2. Select the checkbox of **Call Transcription** to enable the feature.
- 3. Configure call transcription settings.



- a. In the **Language** drop-down list, select the desired language for call transcription.
- b. In the **Extension Scope for This Feature** section, specify which extensions / extension groups / departments have access to the call transcription feature.
  - All Extensions: All extensions can use this feature.
  - Specific Extensions: Only selected extensions can use this feature.
- 4. Click Save.

#### Result

• The AI call transcription feature is enabled. Call audio can be recognized and transcribed into readable text in the specified language in real time, and a call summary can be generated automatically after the call ends.



#### Note:

You can configure the call transcription language and mode (either automatic or manual) for extensions individually as needed (Path: **Extension and Trunk > Extension > AI > Call Transcription**). For more information, see Configure AI Call Transcription for an Extension.

- The system automatically monitors transcription usage and sends notifications when specific capacity thresholds are reached:
  - When transcription usage reaches 90% and 95% of the total capacity, the PBX sends a notification Your Al Transcription Usage is Reaching the Capacity Limit to notify relevant contacts.

When the total capacity is fully used, the PBX sends a notification Al Transcription Limit Reached to notify relevant contacts.



#### Note:

You can also check the usage details of Al transcription in call reports. For more information, see <u>Access Transcription Usage Details Report</u>.

## Configure AI Call Transcription for an Extension

After AI call transcription is enabled, calls for authorized extensions can be recognized and transcribed in a global preset language. You can adjust the transcription settings for extensions individually to meet their specific needs.



#### Note:

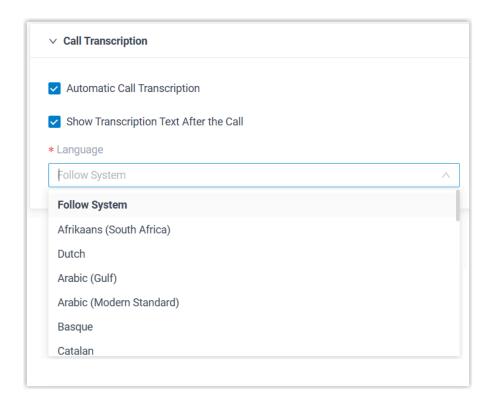
Extension users can also customize the AI call transcription settings directly on their Linkus clients, and the changes will be automatically synchronized to the corresponding extension settings on the PBX.

### **Prerequisites**

You have <u>enabled AI call transcription</u> and granted the usage permission for the desired extension.

#### **Procedure**

- 1. Log in to PBX web portal, go to **Extension and Trunk > Extension**.
- 2. Click desired extension, then click the AI tab.
- 3. In the **Call Transcription** section, configure the following settings according to extension's need.

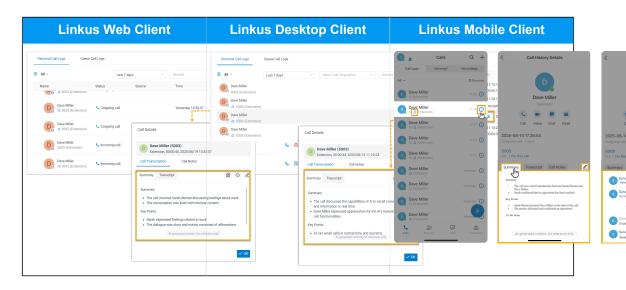


Setting	Description
Automatic Call Transcription	Specify whether to automatically transcribe extension's calls in real time.
	If this option is disabled, extension users can manually trigger transcription from the call screen during an active call as needed.
Show Transcription Text After the Call	Specify whether to automatically display the transcript and summary after the call ends.
Language	Select the desired language for call transcription.

#### 4. Click Save.

#### Result

- When extension users join a one-on-one call, call audio can be recognized and transcribed in the configured language in real time, and a call summary can be generated automatically after the call ends.
- Extension users can access the Al-generated transcript and summary of transcribed calls in the call logs on their Linkus UC Clients. Calls that have been transcribed are marked with a  $\triangle$  icon.

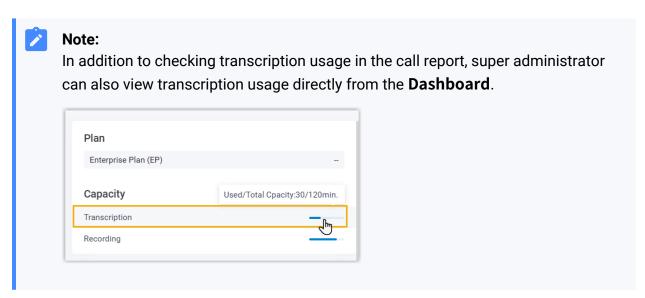


#### **Related information**

<u>Linkus Web Client Guide - Transcribe a Call</u> <u>Linkus Desktop Client Guide - Transcribe a Call</u> Linkus Mobile Client Guide - Transcribe a Call

## Access Transcription Usage Details Report

**Transcription Usage Details** report provides an overview on the used transcription minutes for Voicemail Transcription and Call Transcription. This topic introduces how to access the report.

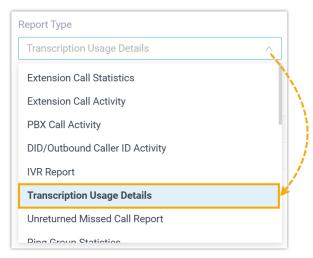


### **Prerequisites**

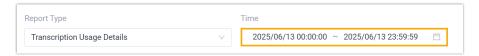
To access Transcription usage report, make sure the firmware of Yeastar P-Series Software Edition is 83.20.0.74 or later.

#### **Procedure**

- 1. Log in to PBX web portal, go to **Reports and Recordings > Call Reports**.
- 2. In the Report Type drop-download list, select Transcription Usage Details.



3. Filter data by the desired time range.



A report for the selected period is displayed on the page, as shown below.



Refer to the following table for explanation of the report metrics:

Metric	Description
Transcription Event	The type of transcription performed.  • Voicemail Transcription  • Call Transcription
Usage (mins)	The used transcription minutes within the specified time period.  Note:

Metric	Description
	Any partial minutes are rounded up to the next full minute. For example, if the total usage is 3 minutes and 57 seconds, it will be recorded as 4 minutes.