

Automatic Speech Recognition Release Notes



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Release Notes

Last updated: 2026-02-11 10:06:32

October, 2024

Update	Description	Release Date	References
The client adds HarmonyOS NEXT SDK, supporting single-sentence recognition and ultra-fast version of recording file recognition API	The client adds HarmonyOS NEXT SDK, supporting single-sentence recognition and ultra-fast version of recording file recognition API.	2024-10-12	HarmonyOS NEXT SDK (single-sentence recognition) HarmonyOS NEXT SDK (ultra-fast version of recording file recognition)

May 2024

Update	Description	Release Date	References
The client adds HarmonyOS NEXT SDK, supporting real-time Automatic Speech Recognition API	The client adds HarmonyOS NEXT SDK, supporting real-time Automatic Speech Recognition API.	2024-5-9	HarmonyOS NEXT SDK (real-time speech recognition)

March 2024

Update	Description	Release	References
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		Release Date	
Version release of ASR large model V2.0	ASR large model V2.0 is newly upgraded to <u>General-Pinyin-English Large Model</u> , supporting mixed recognition of Mandarin, English, and 27 Chinese dialects with one engine, and newly supporting real-time speech recognition	2024-3-28	Recording file recognition Real-time speech recognition

February 2024

Update	Description	Release Date	References
ASR large model V1.0 version release	ASR large model V1.0 version supports Mandarin large model and Chinese dialect large model. The number of model parameters is significantly increased, enhancing language model performance, and greatly improving identification accuracy for low-quality audio such as dialect mixed recognition, high noise, high echo, low voice, and distant voice. Click here to compare the recognition effects of the general version and the large model version.	2024-2-1	Recording file recognition

January 2024

Update	Description	Release Date	References
SDK for Flutter update	Added temporary key authentication method, fixed some callback information errors,	2024-1-19	Flutter SDK

	updated iOS Framework version to 3.1.15		
The experience module supports history query.	Historical recognition records are stored on the cloud for up to 7 days. Recognition results can be downloaded, allowing users to view Optical Character Recognition (OCR) content.	2024-1-29	Product Console

October 2023

Update	Description	Release Date	References
Real-time speech recognition supports forced segmentation parameter.	Real-time speech recognition supports forced segmentation parameter, allowing users to configure the segmentation parameter to disconnect vad during continuous speech or noise, achieving forced segmentation.	2023-10-31	Real-time speech recognition
New super term feature launched	When the hotword weight is set to 11, the hotword will be upgraded to a super hotword to improve identification accuracy. However, it is recommended to set only important and necessary hotwords to 11, as setting too many hotwords to 11 will affect the overall character accuracy rate.	2023-10-30	Real-time speech recognition Recording file recognition One-Sentence recognition Ultrafast recording file recognition Async voice stream recognition
The Flutter client adds single-sentence	The SDK for Flutter client adds single-sentence recognition API and	2023-10-26	SDK for Flutter (single-

recognition and ultra-fast recording file recognition APIs.	ultra-fast recording file recognition API.		sentence recognition SDK for Flutter (ultra-fast recording file recognition)
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September 2023

Update	Description	Release Date	References
Recording file recognition supports oral-to-written transcription.	Recording file recognition supports oral-to-written transcription and allows complex post-processing of transcription results to filter out modal particles and repeated words.	2023-09-26	Recording file recognition

August 2023

Update	Description	Release Date	References
Client SDK supports echo cancellation	iOS/Android clients support echo cancellation API, customers can choose to enable or disable it.	2023-08-31	Quick SDK Integration and Run (iOS) Quick SDK Integration and Run (Android)
ASR products support Hindi	ASR products have added new language capabilities, now supporting Hindi.	2023-08-31	Recording file recognition Real-Time Speech Recognition One-Sentence recognition Ultrafast

			recording file recognition Async voice stream recognition
ASR products support Spanish.	ASR products have added new language capabilities, now supporting Spanish.	2023-08-03	Recording file recognition Real-Time Speech Recognition One-Sentence recognition Ultrafast recording file recognition Async voice stream recognition

July 2023

Update	Description	Release Date	References
The console has launched new Cloud Access Management.	You can configure sub-account permissions by first creating a JSON policy and then associating the policy with users or user groups.	2023-07-27	New Cloud Access Management
ASR products support Arabic.	ASR products have added new language capabilities, now supporting Arabic.	2023-07-18	Recording file recognition Real-Time Speech Recognition One-Sentence recognition Ultrafast recording file recognition Async voice

			stream recognition
The official website experience supports recording file recognition.	The official website experience page supports the upload of recording file recognition feature, showcasing product capabilities more comprehensively.	2023-07-13	Official website experience for recording file recognition

June 2023

Update	Description	Release Date	References
ASR+ product series published	Newly launched speaker identification and virtual number human detection. Speaker identification can be used in scenarios such as login locks and identity verification; virtual number human detection can be used in intelligent outbound calling scenarios.	2023-06-28	ASR+ product series

April 2023

Update	Description	Release Date	References
Offline and Online Speech Recognition SDK published	The offline and online SDK supports online APIs within the offline SDK, enabling a hybrid recognition mode that automatically switches between offline and online versions based on network conditions.	2023-04-28	Offline and Online SDK Documentation

March 2023

Update	Description	Release Date	References
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ASR products support Vietnamese, Malay, Indonesian, Filipino, Portuguese, and Turkish	ASR products have added new language capabilities, now supporting Vietnamese, Malay, Indonesian, Filipino, Portuguese, and Turkish.	2023-03-24	Recording file recognition Real-Time Speech Recognition One-Sentence recognition Ultrafast recording file recognition Async voice stream recognition
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February 2023

Update	Description	Release Date	References
Recording file recognition supports emotion recognition.	By configuring emotion recognition parameters (EmotionRecognition) in the recording file recognition API, it can output emotion tags such as happy, angry, and sad.	2023-02-28	Recording file recognition related API

December 2022

Update	Description	Release Date	References
Real-time speech recognition, recording file recognition premium version, and single-sentence	QPS/concurrency add-ons can scale out the existing QPS/concurrency.	2022-12-26	Billing Overview Refunds

recognition support the purchase of QPS/concurrency add-ons.

November 2022

Update	Description	Release Date	References
Real-time speech recognition, recording file recognition, and single-sentence recognition support the hotword enhanced version.	The hotword enhanced version can effectively improve the hit rate of hotwords in the recognition results, only applicable to Chinese 8k and 16k engines.	2022-11-30	Recording file recognition Real-time speech recognition One-Sentence recognition
Real-time speech recognition, recording file recognition, and single-sentence recognition support mixed models of Chinese, English, and Cantonese.	Chinese, English, and Cantonese can be recognized in a mixed manner without switching.	2022-11-28	Recording file recognition Real-Time Speech Recognition One-Sentence recognition

October 2022

Update	Description	Release Date	References
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Recording file recognition supports emotion energy detection and silence duration detection.	All language engines support emotion energy detection. Silence duration detection supports detecting the silence duration between the current sentence and the previous one, measured in seconds.	2022-10-29	Recording file recognition
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September 2022

Update	Description	Release Date	References
Optimize the Chinese Mandarin model under the 8k engine	The recognition rate, accuracy, and performance of 8k_zh (Chinese 8k engine) have been improved, better adapting to the phone call scenario	2022-09-27	Recording file recognition Real-time speech recognition One-Sentence recognition Ultrafast recording file recognition
Optimize the multi-dialect model under the 16k engine	The 16k_zh_dialect (Chinese 16k multi-dialect engine) has resolved multiple recognition issues, significantly improving the recognition accuracy of some dialects	2022-09-26	Recording file recognition Real-time speech recognition
Optimize the multi-dialect model under the 16k engine	The 16k_zh_dialect (Chinese 16k multi-dialect engine) supports speaker separation feature.	2022-09-26	Recording file recognition

December 2021

Update	Description	Release Date	References
ASR products support 23 dialects including Sichuanese and Wuhanese.	In addition to Mandarin, English, Cantonese, Japanese, and Shanghainese, Sichuanese, Wuhanese, Guiyang dialect, Kunming dialect, Xi'an dialect, Zhengzhou dialect, Taiyuan dialect, Lanzhou dialect, Yinchuan dialect, Xining dialect, Nanjing dialect, Hefei dialect, Nanchang dialect, Changsha dialect, Suzhou dialect, Hangzhou dialect, Jinan dialect, Tianjin dialect, Shijiazhuang dialect, Heilongjiang dialect, Jilin dialect, and Liaoning dialect have been added.	2021-12-03	One-Sentence recognition API Recording file recognition API

February 2021

Update	Description	Release Date	References
Speech recognition releases multiple industry models	Real-time speech recognition supports education, medical, gaming, and court industry models. Recording file recognition supports education and medical industry models.	2021-02-01	Recording file recognition Real-time speech recognition

January 2021

Update	Description	Release Date	References
Speech recognition supports a comprehensive upgrade of audio formats	Comprehensive upgrade and enrichment of formats supported by recording file recognition and real-time speech recognition	2021-01-21	Detailed information on Tencent Cloud speech recognition products

Real-Time Speech Recognition SDK fully supports the WebSocket protocol	Real-Time Speech Recognition server-side, client, and front-end SDKs all support the WebSocket protocol	2021-01-21	Real-Time Speech Recognition (WebSocket)
Async voice stream recognition subproduct published	Recognizes audio streams over live streaming protocols to return recognition results in quasi-real time and supports dedicated models for audio/video scenarios, which is fit for live stream quality inspection.	2021-01-15	Async voice stream recognition task creation
Ultrafast recording file recognition subproduct published	Quickly recognizes large recording files and returns recognition results in semi-real time, which is ideal for scenarios such as audio/video subtitling and quasi-real-time quality inspection and analysis.	2021-01-15	Ultrafast recording file recognition

November 2020

Update	Description	Release Date	References
Recording file recognition supports automatic speaker separation	The 16k_zh_video engine model now supports the speaker separation feature, with automatic separation and specified speaker number separation available for both phone call and non-phone call scenarios.	2020-11-27	Recording file recognition request

October 2020

Update	Description	Release Date	References
ASR access layer supports	This API service uses the WebSocket Protocol to recognize real-time audio streams, synchronously returning	2020-10-10	Real-Time Speech Recognition

WebSocket Protocol	recognition results to achieve the effect of "text output while speaking."	(WebSocket)
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September 2020

Update	Description	Release Date	References
ASR Access Control	Implement permission management for ASR operation and resource dimensions through Tencent Cloud's CAM (Cloud Access Management) product.	2020-09-16	CAM Overview Authorizable Resource Types Authorization Policy Syntax
ASR phone call scenario supports English model	ASR adds a new 8k English model for phone calls, suitable for Speech-to-Text Conversion in English call scenarios	2020-09-09	Real-Time Speech Recognition SDK Single-Sentence Recognition SDK Recording File Recognition SDK
Client TRTC integration with real-time speech recognition technology guide is online	For users with real-time audio and video and speech recognition needs, real-time speech recognition can be accessed through TRTC.	2020-09-07	TRTC integration with real-time speech recognition

August 2020

Update	Description	Release	References
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		Release Date	
ASR products support the Shanghai dialect	ASR products enhance language and dialect capabilities, adding support for the Shanghai dialect	2020-08-21	Real-Time Speech Recognition API Single-Sentence Recognition API Recording File Recognition API
ASR products support Japanese	ASR products enhance language and dialect capabilities, adding support for Japanese	2020-08-04	Real-Time Speech Recognition API Single-Sentence Recognition API Recording File Recognition API
Punctuation capability enhancement in ASR product results	After the punctuation ability upgrade in ASR product results, support for the Chinese comma, question mark, and exclamation point is added	2020-08-01	Real-Time Speech Recognition SDK Single-Sentence SDK

July 2020

Update	Description	Release Date	References
Recording file recognition supports	Phone call scenario supports mono 2-speaker separation, non-phone call	2020-07-28	Recording file

separation of three or more speakers	scenario supports mono 2–10 speaker separation		recognition request
Real-Time speech recognition supports OPUS format	OPUS is a low-latency, high-fidelity open-source audio codec suitable for network transmission. It is a mainstream audio streaming format that better supports customers using this format to access real-time speech recognition	2020-07-02	Real-Time Speech Recognition API Real-Time Speech Recognition SDK

June 2020

Update	Description	Release Date	References
Recording file recognition supports duration capability enhancement	When using recording file recognition with the upload audio URL method, the URL duration limit is extended from 1 hour to 5 hours	2020-06-18	Recording file recognition request Recording File Recognition SDK
Real-time speech recognition supports word-level timestamp feature	Real-time speech recognition supports word-level timestamp feature, suitable for loading subtitles through speech recognition with high latency requirements	2020-06-05	Real-Time Speech Recognition API Real-Time Speech Recognition SDK

April 2020

Update	Description	Release Date	References
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Supports user autonomous conversion of recognition results to numerals	Supports user autonomous selection to convert to Chinese numerals or intelligently convert to Arabic numerals	2020-04-24	Real-Time Speech Recognition API Real-Time Speech Recognition SDK
Recording file recognition product launched with audio and video domain model	For audio transcription in the audio and video field (semi-far-field, with background music), it has industry-leading recognition precision.	2020-04-07	Recording File Recognition API Recording File Recognition SDK

March 2020

Update	Description	Release Date	References
Release the user-selectable features for dirty word filtering, modal particle filtering, and sentence-ending punctuation filtering after speech recognition.	Support users to choose whether to filter dirty words, modal particles, and sentence-ending punctuation based on usage scenarios.	2020-03-16	Real-Time Speech Recognition API Single-Sentence Recognition API Recording File Recognition API

February 2020

Update	Description	Release Date	References
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The ASR product supports creating hotwords through the console.	Adding hotwords can significantly improve the recognition accuracy of proprietary words.	2020-02-25	Hotword
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January 2020

Update	Description	Release Date	References
Real-time speech recognition and single-sentence recognition product price strategy update	The updated billing strategy determines the product price based on usage tiers; the more you use, the lower the unit price.	2020-01-01	Billing Strategy Document

December 2019

Update	Description	Release Date	References
Recording file recognition supports Serverless Cloud Function (SCF) access method	For users storing audio files on Tencent Cloud COS, using the SCF access method can significantly reduce initial integration development work.	2019-12-18	-
ASR product launched beta version self-learning model	Supports custom optimization through the language model self-learning tool, effectively improving ASR accuracy in specific domains or industries.	2019-12-10	Self-learning model
ASR products support prepaid	<Tencent Cloud ASR offers both prepaid and postpaid billing modes.	2019-12-06	Billing Overview

purchase methods.

November 2019

Update	Description	Release Date	References
Real-time speech recognition and single-sentence recognition support English and Cantonese.	Real-time speech recognition and single-sentence recognition enhance language and dialect capabilities, adding support for English and Cantonese.	2019-11-13	Real-Time Speech Recognition One-Sentence Recognition