

xAI releases Grok Voice 3.0, which tops Artificial Analysis's speech-to-speech index

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Source: <https://x.ai/news/grok-voice-3>

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Introducing Grok Voice 3.0 | SpaceXSI Back to news Oct 14, 2026 Introducing Grok Voice 3.0 The world's most intelligent voice model. Try It Free View Docs

Today, we're announcing Grok Voice 3.0, the world's most intelligent speech-to-speech model. It sets a new record for resolving customer support calls, has class-leading latency at under one second, and costs less than other frontier models. Grok Voice powers millions of conversations a day across Tesla and SpaceX, and is available today in the API at the same price as its predecessor. The Most Accurate Voice Model In Artificial Analysis's independent testing, Grok Voice 3.0 ranks #1 on the Speech-to-Speech Index, with a score of 86.9 . The Index combines speech reasoning, τ -Voice, and preference and task success from blind head-to-head calls. Grok Voice 3.0 also scores 97% on Full Duplex Bench, a measure of how naturally it handles pauses, turn-taking, and interruptions. Speech-to-speech benchmark comparison between Grok Voice 3.0 and competing models, per Artificial Analysis. Benchmark

Grok Voice 3.0 (this release) Grok Voice 2.0 GPT-Live-1 (Astra, Medium) Gemini 3.8 Live (Ext. Thinking, High)
Overall AA Speech-to-Speech Index

86.9 81.3 83.2 82.6 Speech Reasoning Big Bench Audio

98.5% 97.2% 90.1% 97.7% Human Preference Speech Agent Arena Elo

1070 1011 1048 990 Task Completion Task Success Rate

94.8% 94.6% 87.4% 89.1% Conversational Dynamics Full Duplex Bench

97.0% 95.1% 94.9% 91.9%

Source: Artificial Analysis , October 13, 2026 .

τ -Voice measures how well agents handle support calls with diverse accents, background noise, and interruptions. Grok Voice 3.0 scores 71.6%, comparable with GPT-Live-1 (Astra), but at 40% lower latency, setting a new frontier in agent intelligence versus responsiveness. Agentic Performance vs. Speed τ -Voice

Source: Artificial Analysis

It's also cheaper to run than comparable models. Artificial Analysis measures what each model costs to complete a task in its Big Bench Audio run, and Grok Voice 3.0 comes in under both GPT-Live-1 (Astra, Medium) and GPT-Realtime-2.1. Lower cost per task than comparable models Average cost per task on Artificial Analysis's Big Bench Audio run, USD. Lower is better. On EVA-Bench , ServiceNow's benchmark for enterprise voice agents, Grok Voice 3.0 achieves the highest accuracy score at 74% and is the best-performing model when jointly scored across accuracy and customer experience. " Grok Voice 3.0 sets a new Pareto frontier on EVA-Bench, ServiceNow's open-source benchmark scoring voice agents on accuracy and experience across 200+ realistic enterprise scenarios. It pairs top accuracy with a natural, responsive conversation, setting a new standard for what enterprises can expect from AI on the front line of customer service. " Nitin Aggarwal , Senior Director of Product Management, Agentic Evals and RAI, ServiceNow Used by Millions of Customers at Tesla & SpaceX Grok Voice 3.0 handles millions of conversations a day in Tesla vehicles. Drivers can use Connectors for simple requests like checking their calendar or answering an email, and Grok Bot for bigger tasks like ordering a coffee or booking dinner—all completely hands-free (see it on X). Grok Voice 3.0 also powers Grok Bot's voice mode.

Starlink call centers use Grok Voice to answer 20,000 customer calls every day across multiple languages. Roughly 70% are resolved with no human in the loop, and one in four sales calls ends in a purchase before the caller hangs up. A single agent built on Grok Voice 3.0 verifies customers, troubleshoots hardware, issues credits,

and ships replacement equipment. Pricing and Availability Grok Voice 3.0 is available today in the Speech to Speech API at \$0.08 / min (\$4.80 / hr) , the same price as Grok Voice 2.0. Agents using grok-voice-latest have already been switched over automatically, with no changes needed. Start building with Grok Voice Try It Free [View Docs](#)