



**ALIEN TOOLS**  
AEC APPLICATIONS



Open AI Package for Dynamo

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Documentation

## Dynamo OpenAI Package - Documentation

OpenAI Package for Dynamo. That brings the power of artificial intelligence to your design process.

A powerful tool that allows you to easily access the vast knowledge of any ChatGPT model right within Dynamo. Providing a simple but powerful interface to any of OpenAI models. Making the search process faster and more efficient. Input some text as a prompt, and the model will generate a response that attempts to match whatever context or pattern you provided.

With this package, you can quickly get answers to any questions related to building codes, materials, or even surprise yourself by a fun question like "What's the meaning of life?" while taking a break from your BIM work.

No additional setup or configuration required, simply install the package and start using it!

Perfect for architects, engineers, and BIM professionals looking to enhance their Dynamo workflow.

An **open-source** initiative that invites developers and enthusiasts from around the world to join in and contribute. We're passionate about building a vibrant community of like-minded individuals who share our vision, and we believe that open collaboration and peer review are the keys to creating innovative and impactful solutions. So, whether you're a seasoned coder or just starting out, we encourage you to get involved.

**Project Repository** [iRef3at/Dyn OpenAI \(github.com\)](#)

**Dynamo Forum Discussion** [Dyn Open AI - Packages \(DynamoBIM.com\)](#)

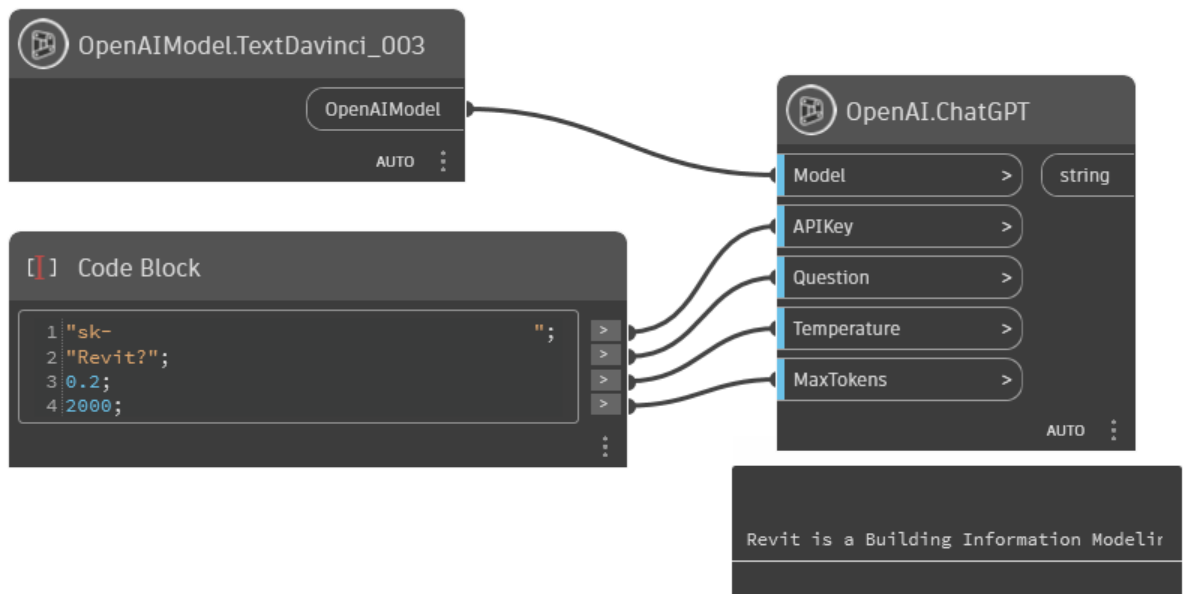
### Features

1. Send prompts and receive response from and to any OpenAI Model.
  - text-davinci-003
  - code-davinci-002
  - text-curie-001
  - code-cushman-001
  - text-babbage-001
  - text-ada-001
2. Password Encrypted API Key.
3. Customizable Temperature and Max Tokens/Prompt.
4. Supported by any Dynamo or Revit Version.

## How to use

1. Download and install the OpenAI package from Dynamo Package Manager.
2. Click on the "Dyn OpenAI" tab in the library section.
3. Click on and place the "ChatGPT" node.
4. Place a string node and enter your Open AI API Key or Get your own key from [Account API Keys - OpenAI API](#)
5. Select your desired model from the OpenAI Model list.
  - i. Refer to table 1-1.
6. Enter temperature value
  - i. It must be between 0 and 1.  
"0" if you are looking for straight-forward answers to easy questions. "1" means you are asking the model to try to be creative with its responses – especially for yes or no questions.  
More Info at [Temperature - OpenAI](#)
7. Enter Maximum tokens per prompt in a number node or a slider.
  - i. Depends on each model, refer to table 1-1.
8. To ask a question, simply type it into a string node and press "RUN".
9. The package will send your question to the OpenAI model, which will generate and return back a string response.

End result looks similar to this



MODEL	DESCRIPTION	MAX TOKENS	TRAINING DATA
text-davinci-003	Most capable GPT-3 model. Can do any task the other models can do, often with higher quality, longer output and better instruction-following.	4,000	Up to Jun 2021
text-curie-001	Very capable, but faster and lower cost than Davinci.	2,048	Up to Oct 2019
text-babbage-001	Capable of straightforward tasks, very fast, and lower cost.	2,048	Up to Oct 2019
text-ada-001	Capable of very simple tasks, usually the fastest model in the GPT-3 series, and lowest cost.	2,048	Up to Oct 2019
code-davinci-002	Most capable Codex model. Particularly good at translating natural language to code. In addition to completing code, also supports inserting completions within code.	8,000	Up to Jun 2021
code-cushman-001	Almost as capable as Davinci Codex, but slightly faster. This speed advantage may make it preferable for real-time applications.	2048	

*Table1-1 More Info at [Models - OpenAI](#)*