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Generated on 28/11/2026 20:49

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The .aider.model.metadata.json file: the context and output of each model

Aider

CODE	VERSION	COUNTRY · LANGUAGE
RLX-AO-KB-3222	v2026.11.28	Angola · English

Interweb Angola
RLX Angola, Lda. · Group RLX Holdings
Tax ID (NIF) 500 260 5724 · Commercial registration no. 26464-25/250724

https://www.meu.interweb.ao/knowledgebase/3222

The .aider.model.metadata.json file: the context and output of each model

Aider Created on **November 28, 2026** 2 min read



`.aider.model.metadata.json` tells Aider the context and answer size of the models it does not know. It is a plain JSON file, with one block per model. With it, the "Unknown context window size" warning no longer shows for those models.

An example with two models

```
{
  "openai/moonshotai/kimi-k2.7-code": {
    "max_tokens": 16000,
    "max_input_tokens": 262144,
    "max_output_tokens": 16000,
    "input_cost_per_token": 0,
    "output_cost_per_token": 0,
    "litellm_provider": "openai",
    "mode": "chat"
  },
  "openai/deepseek-ai/deepseek-v4-pro": {
    "max_tokens": 16000,
    "max_input_tokens": 1048576,
    "max_output_tokens": 16000,
    "input_cost_per_token": 0,
    "output_cost_per_token": 0,
    "litellm_provider": "openai",
    "mode": "chat"
  }
}
```

The **Aider documentation** uses the same format, with an entry for each model, and asks for the full name with the provider in front. For our models, the provider is `openai`, the same as in `--model`.

What goes in each field

Field	What to put
The block key	The name you pass in `--model` : `openai/` plus the catalogue id, for example `openai/moonshotai/kimi-k2.7-code` .
`max_input_tokens`	The model's context: the `context_length` from `GET /v1/models` .
`max_output_tokens`	The most tokens in each answer. Our examples use 16000, which is enough for coding.
`max_tokens`	In our examples, the same value as `max_output_tokens` .
`input_cost_per_token` **and** `output_cost_per_token`	0. Aider does not know AI credits or Coding Plan points.
`litellm_provider`	`openai` , because the API is OpenAI-compatible.
`mode`	`chat` .

The `max_output_tokens` in `GET /v1/models` is the most each model accepts. Do not put a higher value.

Adding another model

1. Find the id in the **Models tab** and the `context_length` in the API list (commands below).
2. Copy a whole block, change the key and the `max_input_tokens` .
3. Put a comma after the `}` of the block before it. The last block has no comma.
4. Save the file and open Aider again: it only reads the file when it starts.

The ids are in the Models tab of **All in One AI** or in the API list. On Linux and macOS:

```
curl "https://api.interweb.ao/v1/models?type=text" -H "Authorization: Bearer $INTERWEB_API_KEY"
```

In Windows PowerShell:

```
curl.exe "https://api.interweb.ao/v1/models?type=text" -H "Authorization: Bearer $env:INTERWEB_API_KEY"
```

Each model comes with its `id` (always with the slash), its `context_length` and its price in `pricing`. Listing the models spends no credits.

One comma too many or too few, or curly quotes instead of straight ones, and the file is no longer valid JSON. Write it in a plain text editor, not a word processor.

The full file, with every model that supports tools, is in **Aider with All in One AI**. On Windows, see also **how to save the file without .txt**.

RECOMMENDED

Want our models in Aider with the right context? Visit the Coding with AI page.

See Coding with AI →

SEE ALSO

- **Where Aider looks for .aider.model.metadata.json: home folder, repository and start folder** →
- **Saving .aider.model.metadata.json on Windows without the .txt ending** →
- **Aider's Unknown context window size warning: what it means** →
- **Aider with All in One AI: the two variables, the openai/ prefix and the context window** →
- **Coding with AI in All in One AI** →

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RLX-AO-KB-3222 · v2026.11.28 · Generated on 28/11/2026 20:49