

KNEO 300 Chatbot Guide V1.0

(For Regular User) Mar, 2024

Revision History:

Doc Version	Description	Firmware Version	Date
1.0	Initial version	V0.14.1	2024/03/11



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Chatbot Usage Guide

1. Apply for web-browser URL

Enter device IP which leads to chatbot service. IP address should contain port 3000, e.g. 10.200.210.181:3000

Enter the login interface.

a.

Sign In	
Email abc@gmail.com ••• Password Password here ••• Sign In	
Don't have account Sign Up?	
For first time use, please create an account by selecting "Signup"	
10.200.210.181:3000 says Account created successfully	ad Diagram
Sign Up	
Username[Username here Email[abc@gmail.com] Password[Password here Confirm Password[Please confirm pass]] Confirm Password[Please confirm pass]] Sign Up Already registered Sign In? Already registered Sign In?	

b. Sign in by using an existing account or the account just setup from Step A. The process may take up to 30 seconds to be completed.

Note: Do not click the Sign-in button back and forth

Sign In	
Email abc@gmail.com	
Sign In	

Don't have account Sign Up?



c. Once the system is ready, the following interface appears.



2. WEBUI interface introduction

Nelcome to Kneron Knowledge Base Chatt Please switch modes on the right. Currently supports direct conversation with LLM model or Q&A based on local knowledge base. For Q&A mode, after selecting a knowledge base, you can start Q&A.	Please Select Mode of Use ILLM Knowledge Base Q&A
	Reset
	Stop Current Answer

version/軟體版本號: 0.14.1

The left side of WEBUI is main function frame, The Dialogue tab shows page where users can have interactive conversations. The knowledge base management tab page performs knowledge base operations such as deleting and merging existing knowledge bases.



The right side of WEBUI is the frame of chat mode selection. Currently we have launched two modes: free conversation and knowledge base conversation.

2.1 Free conversation mode

	1.
Welcome to Kneron Knowledge Base Chat! Please switch modes on the right. Currently supports direct conversation with LLM model	Please Select Mode of Use
or Q&A based on local knowledge base. For Q&A mode, after selecting a knowledge base, you can start Q&A.	LLM Knowledge Base Q&A
Device added.	Reset
	Stop Current Answer
There are 20 birds in the tree. 12 files way, How many birds left in the tree	
There are 20 birds in the tree. 12 flies away means that the birds are not in the tree. So, there are 20 - 12 = <>20-12 = <>20 birds left in the tree.	
ane enter your question and press enter to submit	
Ő	
e/對話 Kowledge Base Management/知識準管理	
select operation to be applied to knowledge base	
Delete Knowledge Base Merge Knowledge Base	
Knowledge Base	
ase select the knowledge base to operate	
Please Select Knowledge Base	
ase select the file to be deleted	
Delete Whole Knowledge Base	
Doleta Eila	
Delete File	
Refresh knowledge base list	
ration heetback	
Refresh knowledge base list	

Click the "LLM" button to switch to free conversation mode. Users can enter questions they want to ask in the chat box.

There are two control buttons in free conversation mode:

"Reset": reset the dialog box.

"Stop current answer": stop the current conversation.

2.2 Knowledge base question and answer mode

Click the "Knowledge Base Q&A" to switch to Knowledge base mode, and Users can conduct Q&A



based on the selected knowledge base in this interface. Users can select an existing knowledge base or create new knowledge base.

To select an existing knowledge base by opening "Configure Knowledge Base" frame and choose an interested knowledge base from "Please Select a Knowledge Base to Load" menu.

2.2.1 Create new database

Please Select	Mode of Use	
O LLM	Knowledge Base Q&A	
Configure Kn	owledge Base	•
Please Sele	ect a Knowledge Base to Load	
Create M	iew Knowledge Base 👻	
Enter New	Knowledge Base Name	
test		
	Add to Knowledge Base	
Number of	Matches	
	Refresh knowledge base list	
	Reset	
	Stop Current Answer	

- 1) To name a new knowledge database In Configure Knowledge Base section:
- a. "Create New Knowledge Base " in " Please Select a Knowledge Base to Load ".
- b. Enter the name of new knowledge in "Enter New Knowledge Base Name "
- c. Click the "Add to Knowledge Base " button to complete the creation of the knowledge base.

2) Upload files which are relevant to this knowledge base

- a. Currently supports documents in docx, pdf, txt, and md formats.
- b. Drag the files into the "Upload Files " box.



C LLM O Knowledge Base Q&A	9
Configure Knowledge Base	
Please Select a Knowledge Base to Load	
admin/test	•
Add files to Knowledge Base	
Upload File/上傳文件	
CMOS-Wikipedia.pdf 963.5 P	8 Download
Upload Files and Load	I Knowledge Base
Knowledge Base File list (Total Files	: 0)
Knowledge Base File list (Total Files	• 0) 1
Knowledge Base File list (Total Files Number of Matches	: 0) 1

- c. Click the " Upload File and Load Knowledge Base " button to upload the document.
- d. Once the upload is completed, the name of the uploaded document and the number of documents currently in the knowledge base will be displayed in the "Knowledge Base File List"

logue/對語 Kowledge Base Management/知識虛管理	
Welcome to Kneron Knowledge Base Chat! Please switch modes on the right. Currently supports direct conversation with LLM model or Q&A based on local knowledge base. For Q&A mode, after selecting a knowledge base, you can start Q&A.	Please Select Mode of Use ULM Knowledge Base Q&A
Device added.	Configure Knowledge Base Please Select a Knowledge Base to Load
There are 20 birds in the tree. 12 flies way, How many birds left in the tree	admin/test 🔹
There are 20 birds in the tree. 12 flies away means that the birds are not in the tree. So, there are 20 - 12 = <<20-12=8>>8 birds left in the tree.	Add files to Knowledge Base Upload File/上傳文件
New knowledge base"test", has been added, it will be stored after the files are uploaded and loaded successfully. Please complete file uploading before starting the conversation.	Drop File Here - or -
Files CMOS - Wikipedia.pdf have been uploaded to the knowledge base and are now loaded. Please start asking questions.	Click to Upload
	Upload Files and Load Knowledge Base
	Knowledge Base File list (Total Files: 1) CMOS - Wikipedia.pdf
Please enter your question and press enter to submit	

Hint:

- Please keep the file name specifications in the uploaded file name and do not include special characters, such as (), \$, {}, etc.
- Normally, it takes about 15 seconds to upload a file of size 25kb, just for reference. Upload speed will be affected by file size, type, format and current network environment.



2.2.3 Question and answer based on knowledge base

- a. On the right side, " Please select the knowledge base to load " select the knowledge base to be based on
- b. Type your question in the dialog box on the left and click Enter to send the conversation.



2.2.4 Download and view knowledge base files

			Please Select Mode of Use
			LLM O Knowledge Base Q&A
here are 20 birds in the tree	. 12 flies way, How many birds left in	the tree	
			Configure Knowledge Base
here are 20 birds in the tree	. 12 flies away means that the birds a	are not in the tree. So, there are 20 - 12 = <<20-12=8>>8 birds left	Please Select a Knowledge Base to Load
the tree.			admin/test
ew knowledge base"test",h	as been added, it will be stored after	the files are uploaded and loaded successfully. Please complete	Add files to Knowledge Base
e uploading before starting	g the conversation.		Upload File/上傳文件
les CMOS - Wikipedia.pdf h	ave been uploaded to the knowledg	e base and are now loaded. Please start asking questions.	
			Drop File Here
hat is the cmos-transistor?			- or -
			Click to Upload
mos stands for Complement ransistors are commonly us	ed in integrated circuits microproce	is a type or transistor used in digital electronics. CMOS	
ower consumption and hig	h noise immunity. CMOS transistors v	work by using a combination of N-channel and P-channel	
ansistors to amplify and sw	ritch electronic signals. The N-chann	el transistor is made of a P-type semiconductor material, while	
e P-channel transistor is m	ade of an N-type semiconductor mat	terial. The two transistors are connected in a complementary	Upload Files and Load Knowledge Base
	which is the basis building block of		
ay to form a CMOS inverter	, which is the basic building block of	CMOS circuits. CMOS technology is widely used in digital	Knowledge Base File list (Total Files: 1)
ay to form a CMOS inverter ectronics due to its high-de	ensity integration, low power consum	CMOS circuits. CMOS technology is widely used in digital nption, and high noise immunity.	Knowledge Base File list (Total Files: 1) CMOS - Wikipedia.pdf
ay to form a CMOS inverter ectronics due to its high-de Source [1] 10.200.210.181	/which is the basic building block of ensity integration, low power consum /content/EN/admin/test/test/origina	CMOS circuits. CMOS technology is widely used in digital nption, and high noise immunity. IJ/CMOS - Wikipedia.pdf	Knowledge Base File list (Total Files: 1) CMOS - Wikipedia.pdf
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ay to form a CMOS inverter ectronics due to its high-de Source [1] 10.200.210.181	vmetris the data balancing block of ensity integration, low power consum /content/EN/admin/test/test/origina	CMOS circuits. CMOS technology is widely used in digital nption, and high noise immunity. JI(CMOS - Wikipedia.pdf	Knowledge Base File list (Total Files: 1) • CMOS - Wikipedia.pdf
ay to form a CMOS inverter ectronics due to its high-de Source [1] 10.200.210.181 enter your question and pres	, which is the balac balac balance potent ensity integration, low power consum /content/EN/admin/test/test/origina	CMOS circuius, C.MOS technology is widely used in digital pipto, and high noise immunity. IJCMOS - Wikipedia.pdf	Knowledge Base File list (Total Files: 1) CMOS - Wikipedia.pdf
ay to form a CMOS inverter ectronics due to its high-de Source [1] 10.200.210.181 e enter your question and pres	which is the basic bandling block of neity integration, low power consum /content/EN/ad min/test/test/origina	CMOS circuits. CMOS technology is widely used in digital applo, and high noise immunity. AJ(CMOS - Wikipedia.pdf	Knowledge Base File list (Total Files: 1) CMOS - Wikipedia.pdf
ay to form a CMOS inverter ectronics due to its high-de Source [1] 10.200.210.181 e enter your question and pres	which is the basic binaling block of an analysis integration, low power consum /content/EN/admin/test/test/origina	CMOS circuits. CMOS technology is widely used in digital aption, and high noise immunity. IJ(CMOS - Wikipedia pdf	Knowledge Base File list (Total Files: 1) CMOS - Wikipedia.pdf
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- a. In the generated answer, you can view the source information and documents.
- b. Copy the highlighted part in the picture, open a new tab in the browser, paste the file path, and click Enter to view or download the source content.

2.3 Other function introduction



Number of Matches	1
Refresh knowledge base list	
Reset	
Shan Current Annuar	

- a. "Number of matches": The number of entries found in a given database that are related to or matching the query text. Currently the default is 1
- b. "Refresh knowledge base list ": Click this button to refresh the directory of the current knowledge base.
- c. "Reset "Click this button to reset the dialog box.
- d. Stop current answer: Click this button to interrupt the current conversation.

2.4 Web caching

a. usera (regular user) has logged in before , after the device firmware is updated, when logging in with the same interface, due to the existence of web page cache, as shown in the figure below, you need to click the mailbox- >log out->then log in.





	Sign In
•••]	Emailusera@gmail.com Password
	Sign In
	Don't have account Sign Up?

3. Others

If the network you are connected to is a non-public IP, that is, it is used within a local network (such as a home, school, or corporate network) and is used for communication within the internal network (such as printers, smart devices, etc.), These IP addresses are usually automatically assigned by the local network's router. Please follow these steps:

3.1 Enable the machine to automatically start the service on port 3000. On your local computer, please set up a local proxy.

ssh - NfL 127.0.0.1:8080:127.0.0.1:3000 <u>linaro@192.168.200.102</u> (This is a device ip address example, please change to your actual machine ip address)



3.2 Set up the proxy on the local machine, taking chrome as an example.

a. Go to settings.



←	C O Chrome chrome://settings/system		
0	Settings	Q Search settings	
•	You and Google	Queture .	
Ê	Autofill and passwords	System	
0	Privacy and security	Use hardware acceleration when available	
Ø	Performance	Open your computer's proxy settings	Z
۲	Appearance		
Q	Search engine		
	Default browser		
Ċ	On startup		
	Languages		
<u>+</u>	Downloads		
Ť	Accessibility		
٩	System		
Ð	Reset settings		
*	Extensions		
0	About Chrome		

3.3 Find the system in the left column, click Open your computer's proxy settings, and then set the SOCKs proxy server (127.0.0.1) and port (8080)



Q Search	🛜 Wi-Fi	C
HUAZHU-JiHotel	Automatic proxy configuration	
Connected	Web proxy (HTTP)	
DNS	Secure web proxy (HTTPS)	
WINS 802.1X	SOCKS proxy	
Proxies	Server	127.0.0.1
Hardware	Port	8080
	Proxy server requires password Your credentials may be sent unencrypted.	6 °
	Exclude simple hostnames	
	Forget This Network	Cancel OK
B Control Center	noncound	A @
💽 Siri & Spotlight	Topasswu	

b. In your local computer browser, enter: <u>http://localhost:8080/</u>

O known by