

# Voice tech for all: API Specification

## Endpoint

GET /Get\_Inference

## Description

This API generates speech audio from the provided text using the specified language and speaker reference.

## Query Parameters

Parameter	Type	Required	Description
text	string	Mandatory	The input text to be converted into speech. For English, the text must be lowercase.
lang	string	Mandatory	The language of the input text. Supported values: bhojpuri, bengali, english, gujarati, hindi, chhattisgarhi, kannada, magahi, maithili, marathi, telugu.
speaker_wav	WAV file	Mandatory	A reference WAV file representing the speaker's voice.

## Response

200 OK

Content-Type: audio/wav

Body: A WAV audio file as a streaming response containing the synthesized speech.

## Request Test Code

The following code can be used to test and verify if the server is up to specifications.

```
import requests

# Define the base URL of your API
base_url = 'http://host_address/Get_Inference'
# Set up the query parameters
WavPath = 'path/to/wavfile.wav'
params = {
    'text': 'ಮಾದರಿಯು ಸರಿಯಾಗಿ ಕಾರ್ಯನಿರ್ವಹಿಸುತ್ತಿದೆಯೇ ಎಂದು ಖಚಿತಪಡಿಸಿಕೊಳ್ಳಲು ಬಳಸಲಾಗುವ  
ಪರೀಕ್ಷಾ ವಾಕ್ಯ ಇದು.',
    'lang': 'kannada',
}
# Send the GET request
with open(WavPath, "rb") as AudioFile:
    response = requests.get(base_url, params = params, files = { 'speaker_wav':
AudioFile.read() })

# Check if the request was successful
if response.status_code == 200:
    # Save the audio content to a file
    with open('output.wav', 'wb') as f:
        f.write(response.content)
    print("Audio saved as 'output.wav'")
else:
    # Print the error message
    print(f"Request failed with status code {response.status_code}")
    print("Response:", response.text)
```