



# SIM7100\_SIM7600 Series\_TTS\_Application Note

LTE Module

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# About Document

## Version History

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# 1. Introduction

## 1.1 Purpose of the document

Based on module AT command manual, this document will introduce TTS application process.

Developers could understand and develop application quickly and efficiently based on this document.

## 1.2 Related documents

[1] SIM7600 Series\_AT Command Manual

## 1.3 Conventions and abbreviations

In this document, abbreviations referred to as following term:

TTS(Text To Speech);

In application, using TTS function by sending AT Command via its serial interface.

## 2. TTS Introduction

TTS is the abbreviation of Text To Speech. The TTS functions are provided in AT command format, and they are designed for customers to design their TTS applications easily. User can access these TTS AT commands through UART/ USB interface which communicates with SIM7600 module. Now Chinese and English languages can be supported.

### 2.1 Characteristic

- **Support Chinese and English;**
  - ✧ **Support Chinese and English**

This function depends on what you select <mode>. GBK code is adopted for Chinese, ASCII code and UCSII are adopted for English.
- **Support saved a wav audio file;**
  - ✧ **Save a wav audio file**

When TTS is playing, program can save PCM data and add a wav header as a wav audio file automatically. This function depends on what you select <mode>, and you must assign location and name of a wav audio file at the same time.

## 3. AT Commands for TTS

### Overview of AT Commands for TTS

Command	Description
AT+CDTAM	TTS play path, local or remote
AT+CTTS	TTS operation, play or stop
AT+CTTSPARAM	TTS parameters, set or get

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## 4. TTS Samples

### 4.1 TTS play path, local or remote

```
AT+CDTAM =1
```

```
+CDTAM:
```

```
OK
```

```
AT+CDTAM =0
```

```
+CDTAM:
```

```
OK
```

```
AT+CDTAM ?
```

```
+CDTAM: 0
```

```
OK
```

### 4.2 TTS operation, play or stop

```
AT+CTTS=1,"6B228FCE4F7F75288BED97F354  
0862107CFB7EDF"
```

```
OK
```

```
+CTTS:0
```

```
AT+CTTS=2,"hello, 欢迎使用语音合成系统"
```

```
OK
```

```
+CTTS:0
```



```
AT+CTTS=3," 欢迎使用语音合成系统  
","E:/tts.wav"
```

```
OK  
+CTTS:0
```

```
AT+CTTS=4,"6B228FCE4F7F75288BED97F354  
0862107CFB7EDF","E:/tts.wav"
```

```
OK  
+CTTS:0
```

```
AT+CTTS=0
```

```
OK  
+CTTS:0
```

### 4.3 TTS parameters, set or get

```
AT+CTTSPARAM=1,3,0,1,1
```

```
OK
```

```
AT+CTTSPARAM?
```

```
+CTTSPARAM: 2,3,0,1,1
```

```
OK
```