

PRISTER

Temi adb Tutorial



On your temi

1. Opening Play store
 - a. Settings-> About-> Repeatedly click Robox OS (it'll say Technician Tools exposed)
 - b. Settings-> Technician Tools -> All Apps
(password 4421 for Launcher OS 10465 or older; password 0812 for Launcher OS 10723 or older; password 0616 for Launcher OS 13377 or newer)
 - c. Play Store (login with your google account)
2. You will find the Play Store search bar blocked by temi menu
 - a. upper right corner (see Figure 2) -> setting -> technician tools -> force stop -> force stop
 - b. Play store will reappear, now you can click on the search bar
 - c. Search and install:
 - i. Navigation bar
 - ii. Airdroid
3. After you finished installing both the above program, click the main menu button on the Navigation bar (Figure 1). Temi launcher will reload. (Next time when you want to install another play store app, repeat step 2 above)
4. Open Airdroid, sign up or sign in an account.

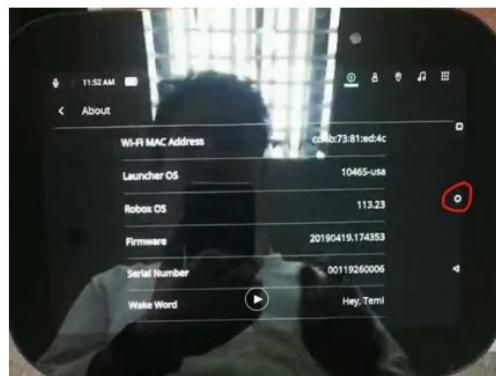


Figure 1

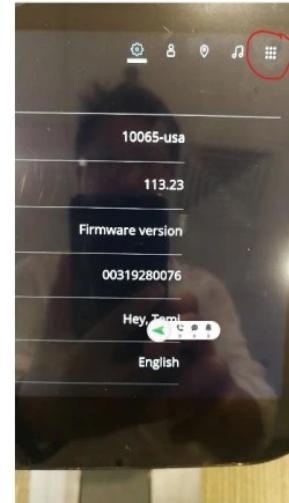


Figure 2

On your desktop

1. Go to Airdroid.com/get.html
2. Choose the desktop client to download



AirDroid Personal

[Download AirDroid](#)

Transfer files across devices, control mobile devices remotely, receive and reply to messages on computer

Mobile client

1. Install AirDroid on your mobile device and sign in to your AirDroid account

Desktop client

Desktop client

2. Install AirDroid desktop client or visit web.airdroid.com on your computer, and sign in to your AirDroid account



Android



iOS



Windows

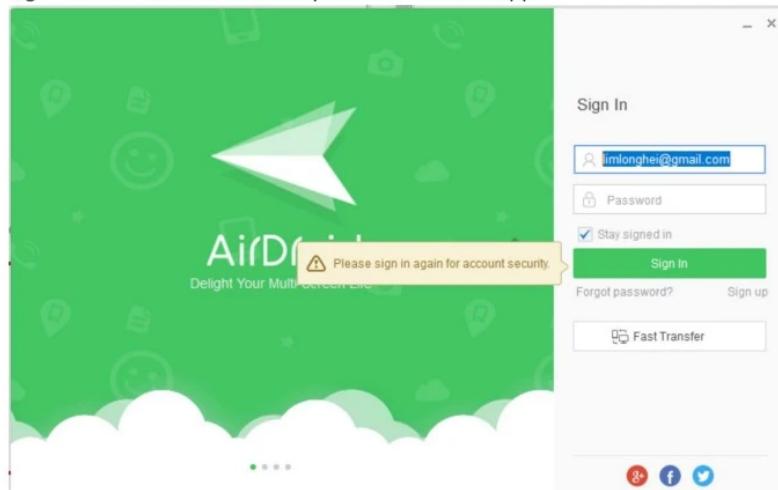


Mac OS X



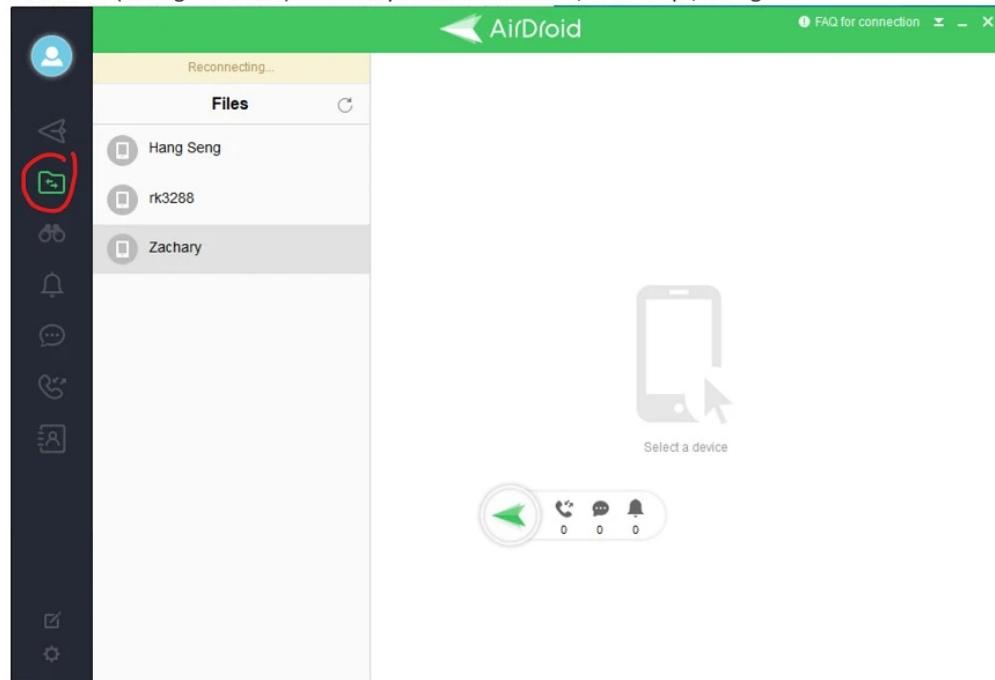
AirDroid Web

3. Sign in to the same account as your temi Airdroid app



4. Now you should be able to see your temi (the default name is rk3288, you can change the name on Airdroid app on temi in setting).

Select File (see figure below) - choose your temi – SD card/TemiScript/config



5. Now you can drag your text file into this folder directly from your computer

Configuring Temi The Guide

Changing the picture of banner and buttons

The banner and the bottom five buttons (script1 to script5) in the GUI that can be configured (figure 3):

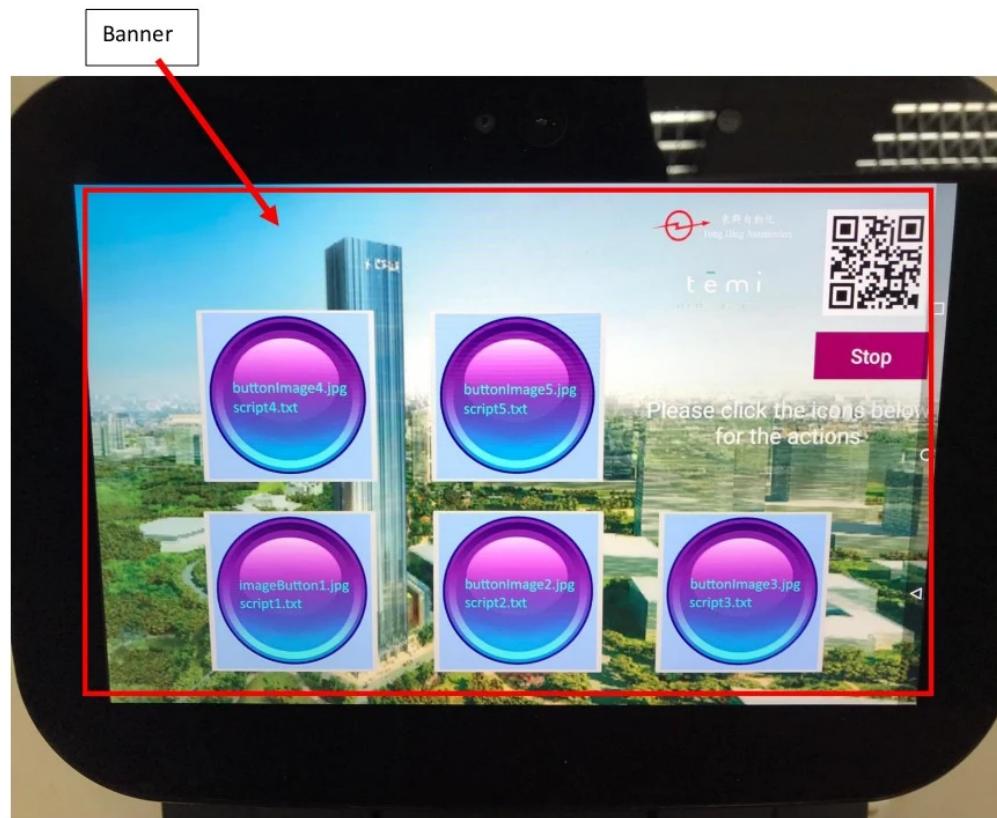


Figure 3

Changing Banner

In order to change the banner, place a jpg or png file under the name “banner.jpg” under the directory TemiScript/resources.

Reload the TemiScript app and the new banner should appear.

NOTE: Do not use an image larger than 2560x1600, otherwise the app could crash.

Changing bottom buttons picture

In order to change the button image, place 3 jpg or png files under the name “buttonImage1.jpg”, “buttonImage2.jpg”, “buttonImage3.jpg”, “buttonImage4.jpg” and “buttonImage5.jpg” under the directory Temiscript/resources.

Reload the TemiScript app and the new buttons should appear.

Writing scripts for temi to follow

1. Make sure your file names are named as (Location listed in Figure 3 above)

script1.txt

script2.txt

script3.txt

script4.txt

script5.txt

2. There are a few commands, please follow the syntax in the example below

- a. **say – Temi will speak the words typed with the system language**

Syntax:

Say ; <text> ; <timeout in seconds>

Example ----

say ; I am the best robot in the world ; 10

(the last number denotes the number of seconds you expect it to finish, in this example, if there are some intercession i.e. someone yelling hey temi, it will go to the next action in the script after 10 seconds. Please make sure you give enough time for temi to actually complete the sentence, otherwise, the sentence will be cut short)

- say2 – Temi will speak the words using Android’s native text-to-speech engine**

Syntax:

Say2 ; <language> / <text> / <speech rate (optional)> ; <timeout in seconds>

Some users may prefer Android’s own speech-synthesis engine. The say2 command allows user to do so.

Example ---

say2 ; yue / 這是廣東話測試 ; 10

say2 ; yue / 郵差叔叔送信純熟迅速送出 / 3.0 ; 10

(the language code (which follows the ISO-639 standard, except for cantonese being "yue") MUST be specified before the actual words you want Temi to say, then followed by a "/". Some common lang codes are: *en* for English, *yue* for Cantonese, *zh* for Mandarin, *ja* for Japanese.

The optional *speech rate* field is a number between **0.1 & 4.0** which controls how fast Temi speaks, **1.0** being the normal, default rate.

b. goAndSay – temi will say the words while walking to a destination

Syntax:

goAndSay ; <location> / <text> / <speech rate (optional)> ; <timeout in seconds>

Example ---

goAndSay ; kitchen / I am walking to the kitchen, please follow me ; 60

(Caution – please make sure the location name is all lower case in the script, even if the location appears to be in upper case on temi.

Caution 2 – please make sure you give enough time for temi to complete the path (for goAndSay and goto), otherwise it will suddenly stop the current task and go to the next action in the script)

The optional *speech rate* field is a number between **0.1 & 4.0** which controls how fast Temi speaks, **1.0** being the normal, default rate.

Caution 3 – the *speech rate* field is only applicable to *goAndSay2*. Trying to use it in *goAndSay* will cause an error.

goAndSay2 – temi will say the words while walking to a destination

Syntax:

goAndSay2 ; <location> / <language> / <text> ; <timeout in seconds>

Example ---

goAndSay2 ; kitchen / en / I am walking and talking at the same time ; 60

goAndSay2 ; kitchen / yue / 我一路行一路講嘢 ; 60

c. goto – temi will go to a location quietly

Syntax:

goto ; <location> ; <timeout in seconds>

Example –

goto ; kitchen ; 60

d. video – temi will play a video stored in the file system

Syntax:

video ; <file name>

Example –

video ; introduction.mp4

(Please make sure you save the video file in the TemiScript/resources folder)

e. youtube – temi will play a youtube video

Syntax:

youtube ; <youtube link behind v=>

Example –

youtube ; YwW0PO_cUy4

(Here the actual youtube link is

https://www.youtube.com/watch?v=YwW0PO_cUy4, but you only need to type in the last part of the link after v=)

- f. **image** – temi will display a fullscreen image. To close the image, please use “null” as the file name

Syntax:

Image ; <file name>

Example –

image ; showroom.jpg

say ; I am a happy robot ; 10

image ; null

(Please make sure you save the image file in the TemiScript/resources folder)

- g. **wait** – temi will wait for x seconds

Syntax:

wait ; <time in seconds>

Example –

wait ; 10

- h. **audio** – temi will play mp3 songs, and will play the entire song before going to the next line in the script

Syntax:

audio ; <file name>

Example –

audio ; happy.mp3

(Please make sure you save the audio file in the TemiScript/resources folder)

- i. **audio2** – temi will play mp3 songs, but will go to the next line of the script immediately after playing. Please use “null” as file name to stop the audio playback.

Syntax:

audio2 ; <file name>

audio2 ; null

Example –

audio2 ; happy.mp3

goto ; kitchen ; 60

audio2 ; null

j. **launch – temi will launch an app which you have downloaded**

Example –

launch ; com.google.android.youtube

To find out the full name of the apps, type:

adb shell 'pm list packages'

or type

adb shell 'pm list packages -f <keyword>'

k. **move – temi will move to the direction you specify**

Syntax:

move ; <x direction> / <y direction> ; <number of steps>

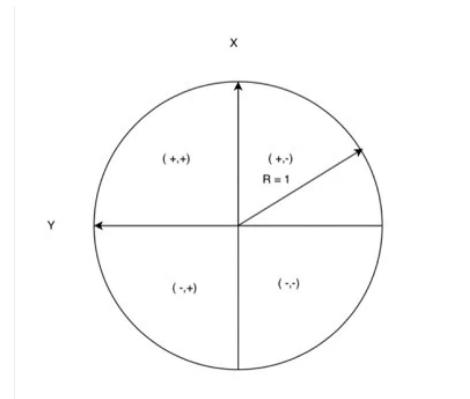
Example –

move ; 1 / -1 ; 3

Caution: x and y direction only takes number from -1 to 1

move ; 1 / 0 ; 3 means moving forward by 3 steps

move ; 0 / 1 ; 5 means moving to the left by 5 steps



l. **turn – temi will turn the amount of angle specified**

Syntax:

turn ; <degree> / <time in seconds>

Example –

turn ; 45 / 1000

Caution: positive angle degree means COUNTERCLOCKWISE

Caution2: Turning 180 does not specify direction, it could go clockwise or counterclockwise

m. **tilt ; temi will tilt the head exactly to -25 to 55 degrees**

Syntax:

Tilt ; <degree> / <time in seconds>

Example –

tilt ; 55 / 1000

Caution: 55 degree means completely looking upward, -25 is completely downward, and 0 degree means looking straight forward

n. **patrol – temi will patrol all the locations for a certain amount of iterations**

Syntax:

patrol ; <number of times> ; <time in seconds to pause when arrive a location>

Example –

patrol ; 5 ; 0

patrol ; 10 ; 1

o. **photo ; local**

Commands Temi to take a photo, then save it in the TemiScript/resources/photos directory.

p. **photo ; <email address (optional)>**

Commands Temi to open the camera preview. Clicking the “Picture” button on the right to take a photo. Click on the captured image again to display the email dialog.

Enter the destination email address and click “Send” to receive the photo.

If an email address has been entered with the photo command in the script (e.g. `photo ; john_doe@gmail.com`), the address will appear in the dialog as default.

q. **web ; <url>**

Display the specified website. e.g.

web ; <https://www.google.com>

Remember to include the http:// or https:// part

r. **tel ; <contact name>**

Start a conference call with the specified contact (who's in your Temi's contact list). “tel ; admin” will start a call with the Temi's owner.

s. **showtext ; <text>**

display text on screen without saying it.

Example – `showtext ; this is a test paragraph`

`showtext ; null` (this will hide any displayed text)

Create a schedule to execute your script

Create a .txt file named `schedule1.txt` and save under SD card/TemiScript/config, input the following:

```
#id of scheduled script, e.g. 101 will run script101.txt at scheduled times
script_id = 101
#date of first execution, yyyy-MM-dd
start_date = 2020-05-15
# time of first execution, HH24:mm:ss
start_time = 15:51:00
# period unit, week / day / hour / minute
period_unit = minute
# period, in the above unit
period = 1
```

e.g. I would like temi to run [script101.txt](#) every 30 minutes beginning from 3:00pm on 12 July, 2020.
Create a .txt file named [schedule1.txt](#)

```
script_id = 101  
start_date = 2020-07-12  
start_time = 15:00:00  
period_unit = hour  
period = 2
```

To remove schedule, delete schedule1.txt from temi via Airdroid.

Configuring script-activation through Local NLP

In addition to its built-in commands, TemiScript allows user to activate the script with voice commands (Local NLP).

1. Go to settings -> temi developer tools -> Local NLP
2. Enable Local NLP if it isn't already enabled.
3. Click "ADD NEW NLP"
4. For the command, specify any vocal command you want Temi to recognize. You will have to say the EXACT same words when you want Temi to execute this command. e.g. "Tell me something about you". Please avoid including numerals in the command e.g. "script one" – under some conditions Temi will convert the "script one" into "script1", and the command will not fire.
5. For the action, enter "action.script1" – This will link the vocal command to script1.txt. Currently TemiScript recognizes "action.script1" to "action.script99"
6. Save
7. You may have to disable -> re-enable local NLP for the changes to take effect.
8. Now, when TemiScript is RUNNING, say "Hey Temi, <your vocal command>", and Temi should execute the corresponding script.

