

TEMIScript

POWERED BY ROBOCORE

UNLOCK THE FULL POTENTIAL OF TEMI

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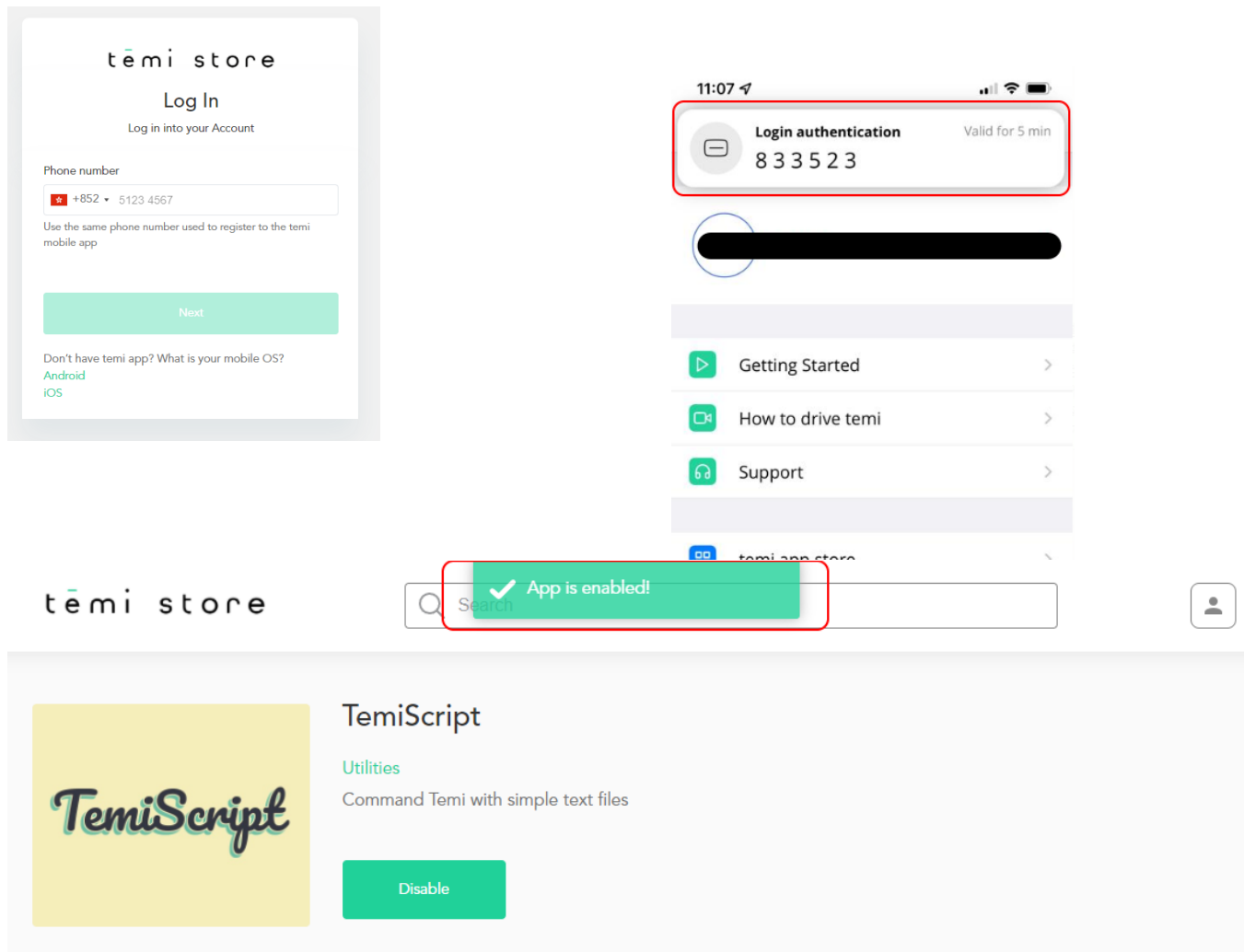
Enable TemiScript

with the following link:

TemiScript

<https://market.robotemi.com/details/temiscript-1/>

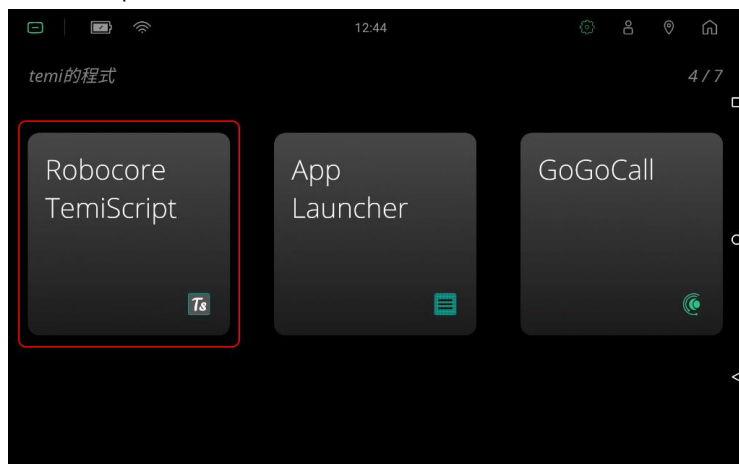
You must sign in using the same mobile number to activate your temi. You shall receive a passcode in your temi app.



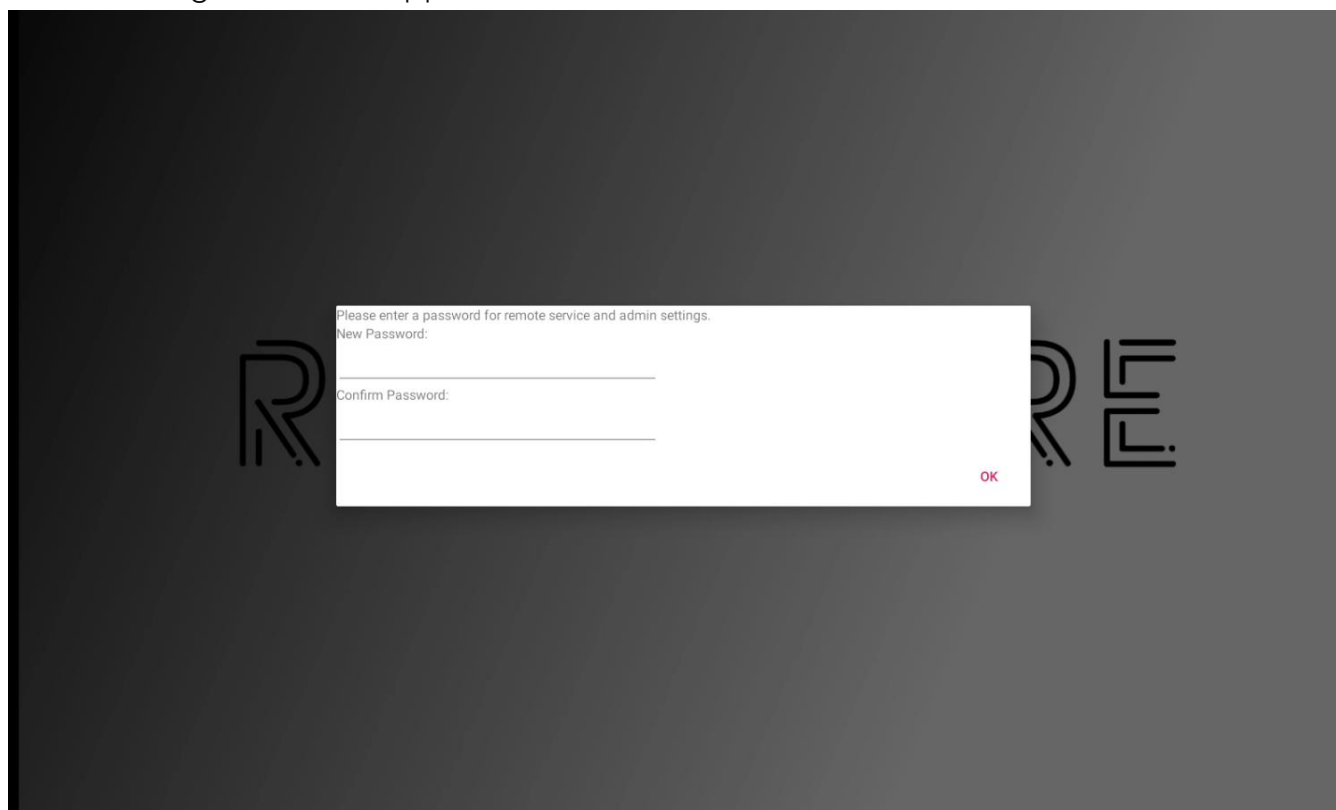
You shall see 'App is enabled', and apps will be downloaded to your temi automatically.

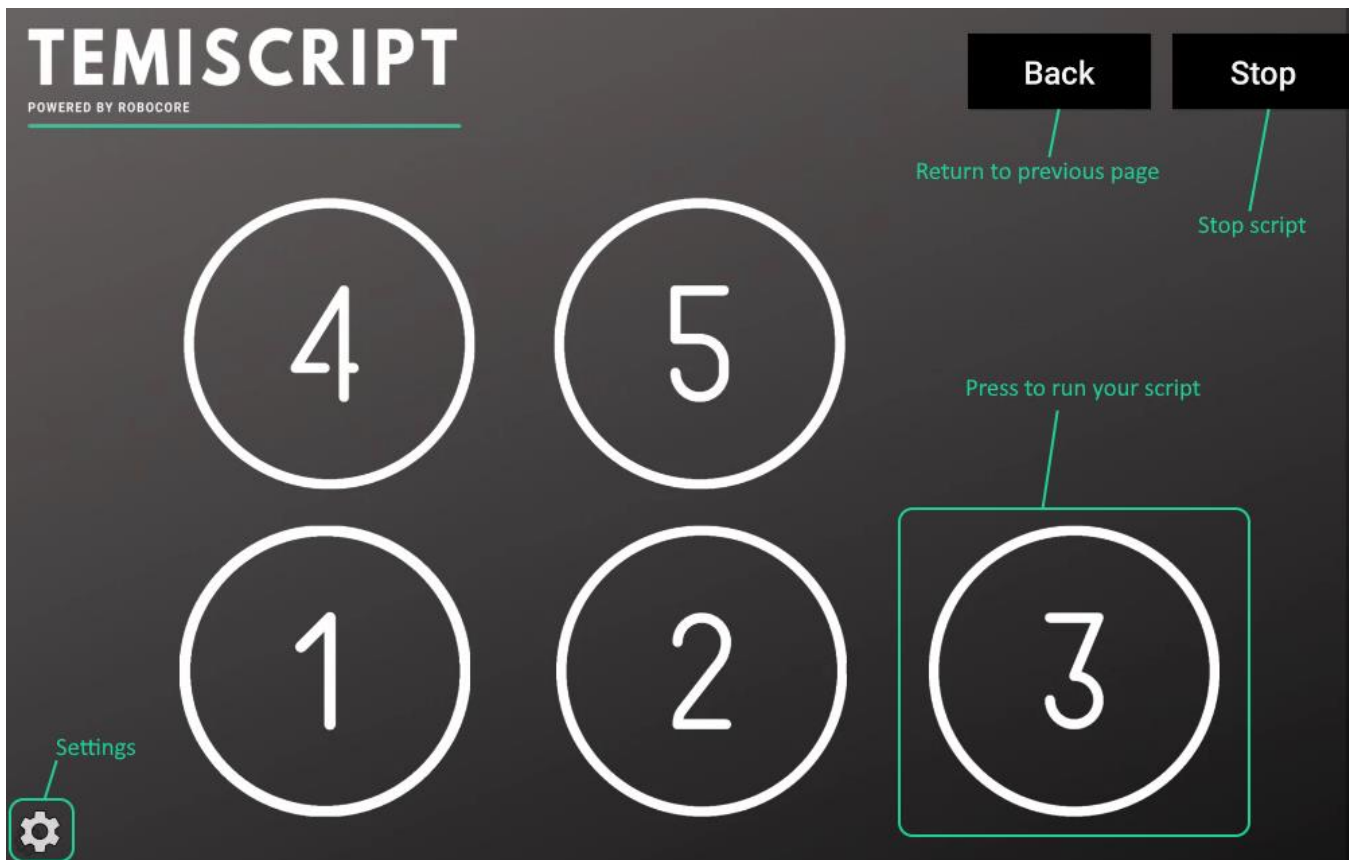
TemiScript

In your Temi, you should now find 'Robocore Temiscript' in the menu. Open 'Robocore TemiScript'



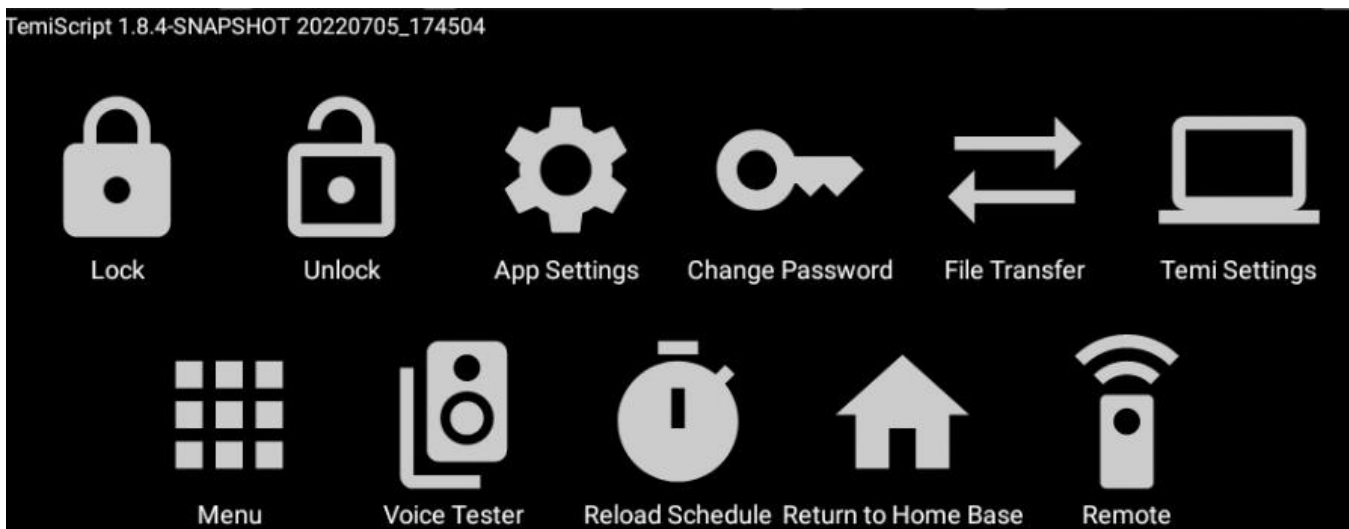
Enter your customized password. This password will be used for entering App Setting menu and login to mobile app.





In TemiScript, you can customize your own app background image, script buttons image, and customize what does these scripts do (e.g. send temi to a location; say your customized sentence/paragraph in your language; play videos and more!)

Settings



Settings Menu

Lock: Disable all hardware button

Unlock: Enable all hardware button

App Settings: Go to App Settings menu

Change Password: Change password for TemiScript App and Mobile App login

File Transfer: Open FTP server for file transfer

Temi Settings: Go to Temi Settings menu

Voice Tester: Test voice output by different languages

Reload Schedule: Refresh schedule set

Return to Home Base: Send Temi back to charging dock

Remote: Connect with Remote TemiScript mobile app

On your computer (Windows / Mac OS)

You will need two software, **Notepad++** to create your script; and **WinSCP** to transfer your script to Temi. Both are free of charge software.

Download Notepad++

<https://notepad-plus-plus.org/downloads/>

Download WinSCP:

<https://winscp.net/eng/download.php>

How to create your own script

- Command List

Open **Notepad++**, and begin to create your script with the following commands:

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

Caution

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.

You can use the following variables for date and time

\$YEAR\$
\$MONTH\$
\$MONTH_EN\$
\$DAY\$
\$HOUR\$
\$MINUTE\$
\$SECOND\$
\$DAY_OF_WEEK\$
\$DAY_OF_WEEK_EN\$
\$DAY_OF_WEEK_ZH\$
\$DAY_OF_WEEK_JP\$

For example: *say2 ; en / this is year \$YEAR\$; 1.2 ; 10*

You can also specify a **voice** instead of language if you want to be more specific, e.g.

say2 ; voice=en-au-x-aub-network / testing english in australian accent. hi mate. data. tomato ; 60

The full list of available voices depends on the version of Google Speech installed on Temi, and can be found in the "voice tester" function in the admin dialog.

goAndSay – temi will say the words while walking to a destination using Android’s own speech-synthesis engine

Syntax:

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

goAndSay2 ; <location> / <language> / <text> / <speech rate (optional)> ; <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 ; 1.2 ; 60

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

- 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.
- 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)

goto – temi will go to a location quietly

Syntax:

goto ; <location> / <(optional) backwards> / <(optional) proximity = x> ; <timeout in seconds>

Example –

goto ; kitchen ; 60

Optionally, you can tell temi to goto a random spot within **proximity** (unit in metres) of a specified location, which could be useful in a crowded environment when someone could be standing on your Temi’s saved location. Example -

goto ; kitchen / proximity=0.5 ; 60

If the optional backwards flag is present, Temi will execute the goto command while moving backwards.

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

Syntax:

video ; <file name> / <(optional) looping>

Example –

video ; introduction.mp4

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

If the looping flag is present, Temi will replay the video when it’s finished (infinitely)

Youtube – temi will play a youtube video

Syntax:

youtube ; <youtube link behind v=>

Example –

youtube ; 3bnGG4Xo0GE

(Here the actual youtube link is <https://www.youtube.com/watch?v=3bnGG4Xo0GE>, but you only need to type in the last part of the link after v=)

image – temi will display a full screen 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)

gif – temi will display a gif animation. To close the gif file, please use “null” as the file name

Syntax:

gif ; <file name>

Example –

gif ; cuteeyes.gif

say ; I am a happy robot ; 10

gif ; null

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

wait – temi will wait for x seconds

Syntax:

wait ; <time in seconds>

Example –

wait ; 10

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)

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

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>'*

listen – triggers temi’s conversational agent. Has the same effect as “hey Temi”

Syntax –

listen

play – temi will execute a sequence you have defined on Temi Center

Syntax:

play ; <sequence name> / <(optional) async>

Example:

play ; my_sequence-1

If the “async” flag is present, the sequence will run in the background, while temiscript will move immediately onto the next command. Otherwise temiscript will wait for the sequence’s completion before moving on.

return – temi will return to TemiScript after launching another app

Example –

launch ; com.google.android.youtube

wait ; 60

return

After launching YouTube for 60 seconds, it will return to TemiScript

restart – restart Temi

Example –

restart ;

Requires TemiScript to be the active kiosk app.

move – temi will move to the direction you specify

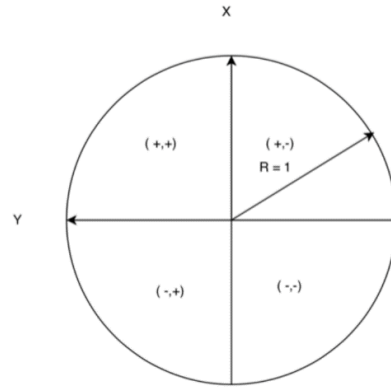
Syntax:

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



set – changes specified settings on temi (currently, goto speed only)

Syntax:

set ; speed / <fast or medium or slow>

Example –

set ; speed / slow

Caution: Requires user to grant settings-permission, and TemiScript must be the active kiosk app.

stopmedia – temi will turn the amount of angle specified

Syntax:

stopmedia;

Temi would stop all the audio, audio2, say, say2 commands in execution.

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

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

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

Syntax:

patrol ; <number of times (or “infinite”)> / <(optional) backwards> / <(optional) locations = loc1, loc2, loc3> ; <time in seconds to pause when arrive a location>

Example –

patrol ; 5 ; 0

OR

patrol ; infinite ; 5

If the backwards flag is present, Temi will execute the patrol while moving backwards.

You can also tell Temi to patrol only the specified locations, e.g.

patrol ; infinite / locations = entrance, reception, pantry ; 5

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

Example –

photo ; local

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.

web – Display the specified website.

Syntax:

web ; <url>

Example –

web ; https://www.google.com

Caution e.g. Remember to include the http:// or https:// part

tel – Start a conference call with the specified contact (who’s in your Temi’s contact list).

Syntax:

tel ; <contact name>

tel ; admin (will start a call with the Temi’s owner.)

showtext – Display text on screen without saying it.

Syntax:

showtext ; <text>

Example –

showtext ; this is a test paragraph

showtext ; null (this will hide any displayed text)

loop – Repeat command

Syntax:

```
loop ; <number of times>  
script to loop script to loop  
end
```

Example –

```
loop ; 5  
goto ; location a  
goto ; location b  
goto ; location c  
end
```

The above will loop the commands for 5 times. Temi will go to location a, location b, and location c for 5 times.

Or

```
loop ; infinite  
goto ; location a  
goto ; location b  
goto ; location c  
end
```

The above will loop the commands infinitely. Temi will go to location a, location b, and location c infinitely.

tuyaswitchon

tuyaswitchoff – Controlling on/off of RSH smart plug

Example –

```
tuyaswitchon ; client id / client secret / product uid  
tuyaswitchoff ; client id / client secret / product uid
```

This is for controlling the RSH smart plug product uid is switch specific, client id and client secret are set and cannot be changed. All three ID will be specifically provided when RSH smart plug is delivered

Handysteam Control – Controlling HandySteam disinfection add-on

Syntax –

Light On: web ; http://127.0.0.1:8000/BRIGHT

Light Off: web ; http://127.0.0.1:8000/DARK

Steam On: web ; http://127.0.0.1:8000/START

Steam Off: web ; http://127.0.0.1:8000/STOP

Since TemiScript will launch browser from the above command, do remember to add the below when you want it to return to TemiScript after the command:

Example:

```
web ; http://127.0.0.1:8000/BRIGHT
```

```
wait; 1
```

```
return
```

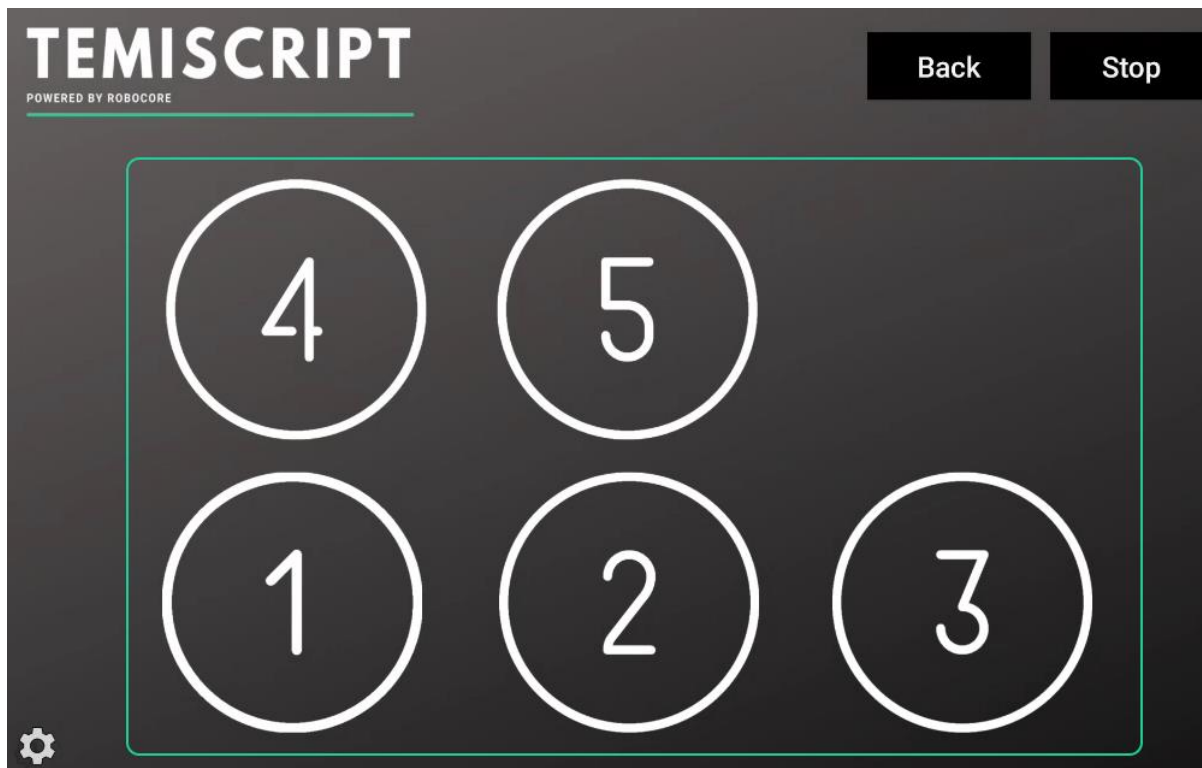
```
web ; http://127.0.0.1:8000/START
```

```
wait; 1
```

```
return
```

Remarks: HandySteam must be already connected to HandySteam app via Bluetooth.

After you have completed your script, save your text file with file names correspond to the button location (e.g. script1.txt / script2.txt / script3.txt):



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

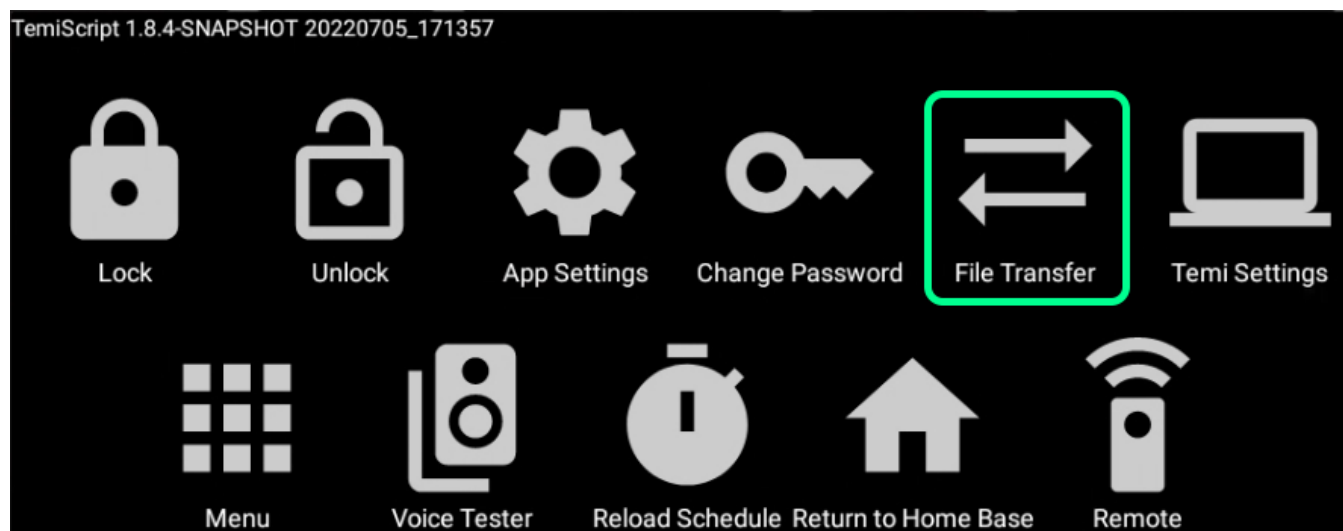
To remove schedule, delete schedule1.txt from temi.

Welcome Script (automatically run script when someone approaches temi)

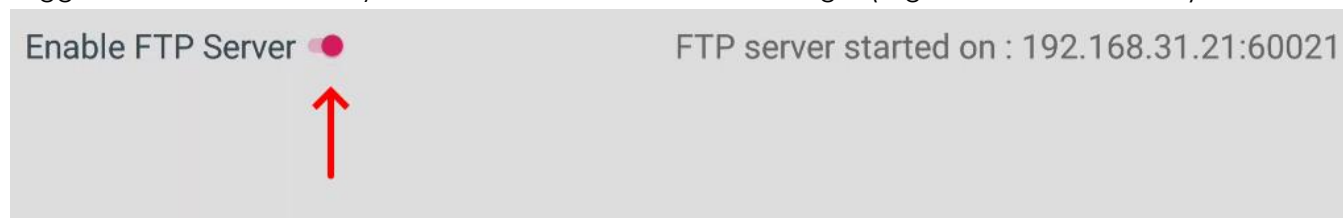
1. After completing your script sequence, name your script as **scriptwelcome.txt** and saved under SD card/TemiScript/config.
2. In Temi, go to Setting (設定) -> General (一般設定) -> Track User (追蹤使用者) -> On (開)

How to transfer your script to temi

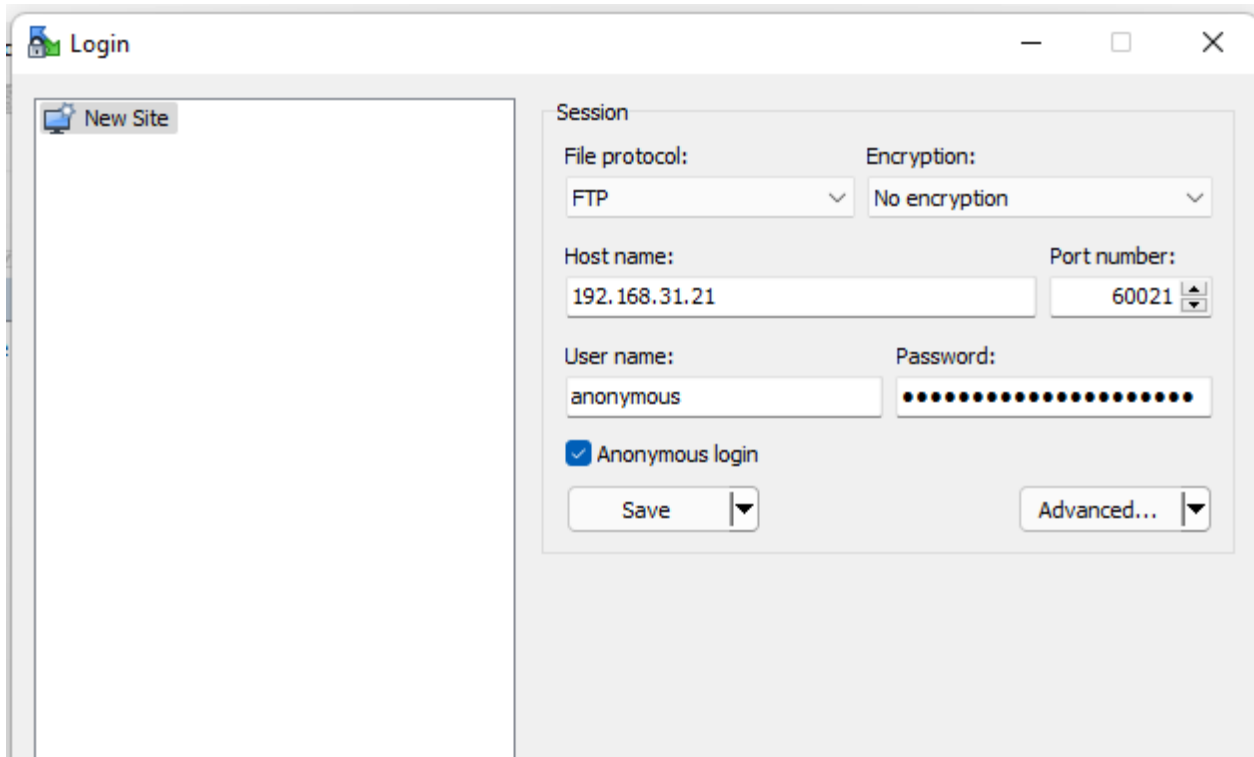
In your temi, go to the Setting Icon from the bottom left corner, then select 'File Transfer':



Toggle 'Enable FTP Server', you shall find an IP address on the right (e.g. 192.168.31.21:60021)



In your computer, open 'WinSCP'



File protocol: Select 'FTP'

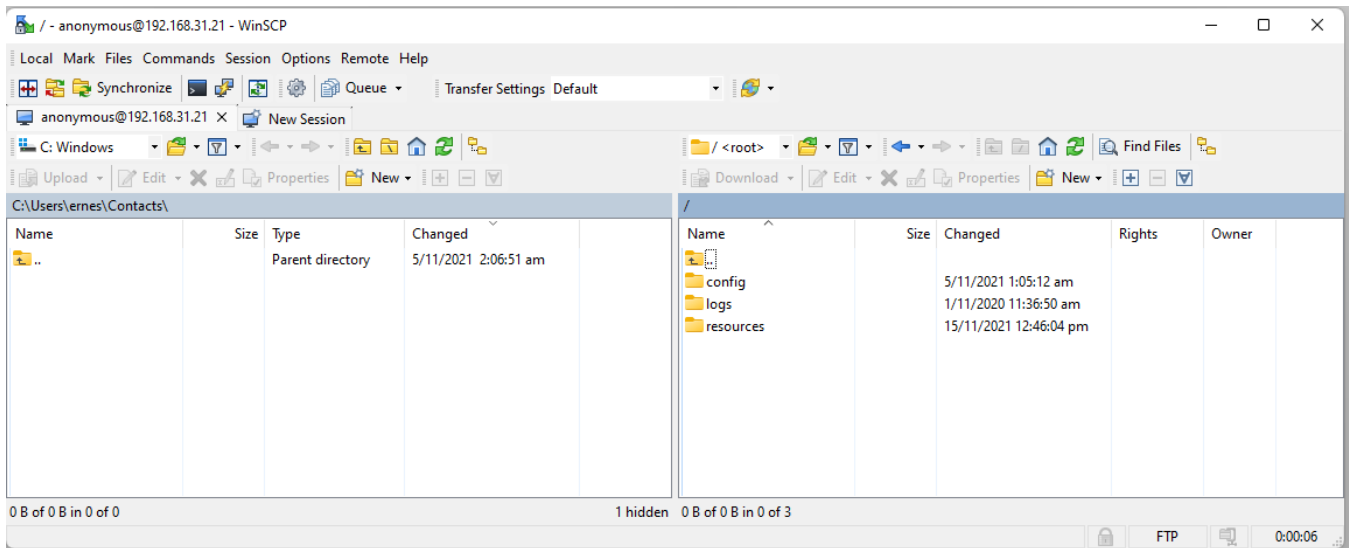
Host name: Fill in the IP address shown (192.168.31.21) in TemiScript

Port number: Fill in the port number shown (60021) in TemiScript

Select 'Anonymous login'

Login

Remarks: Keep in mind that both your computer and temi must be on the same Wi-Fi network. Some public router might block ftp access. If it fails to connect, please use your phone hotspot or portable WiFi network.

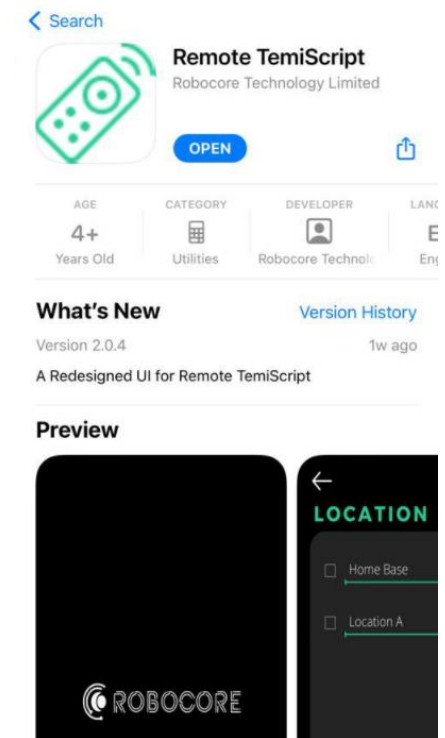


After successfully connected to Temi, left hand side will be the file directory from your computer. Right hand side will be the file directory of TemiScript in your Temi.

1. Drag all the script files (.txt) to the 'config' folder
2. Drag all the resources files (.mp3 / .mp4 / .jpg / .png) to the 'resources' folder
3. Restart TemiScript from Temi and you are good to go!

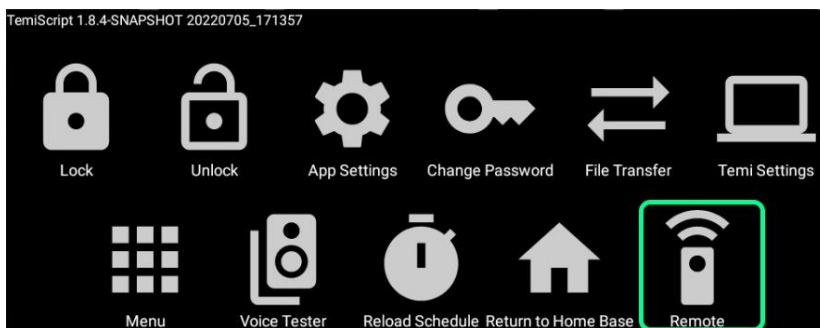
Control TemiScript with your mobile (Android / iOS)

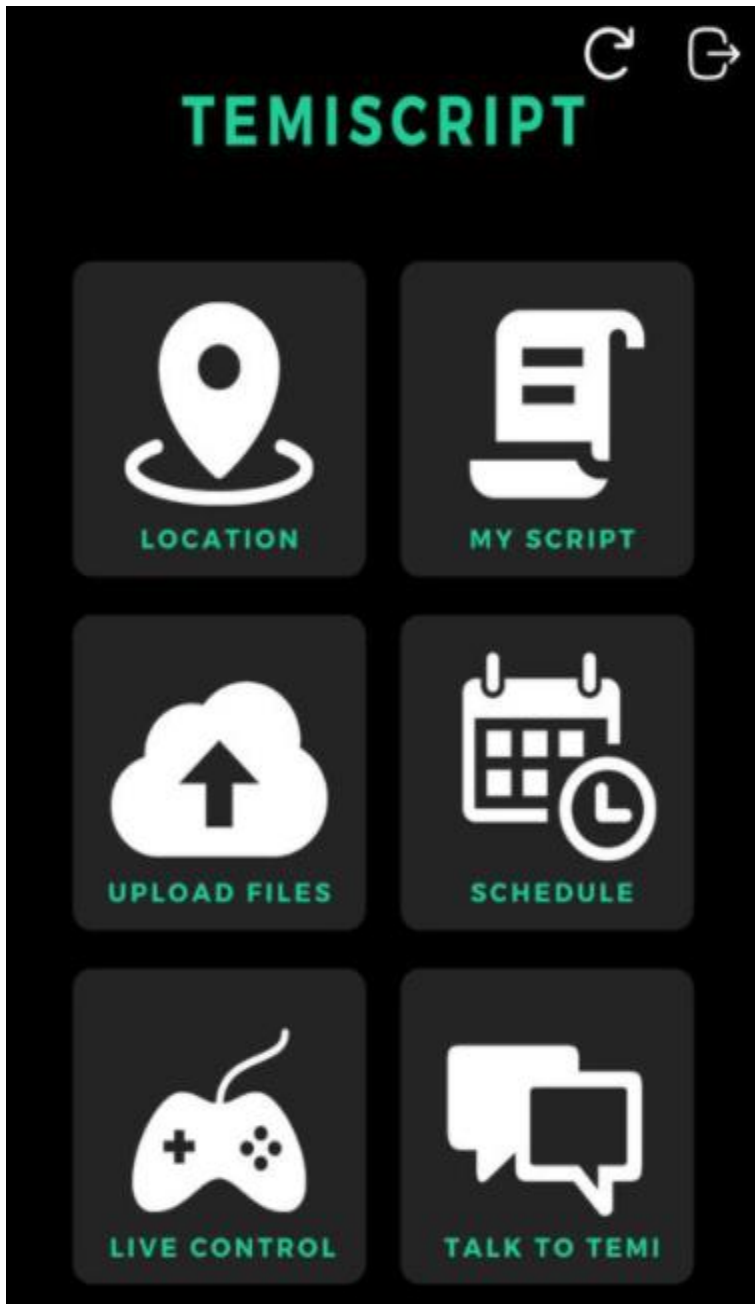
On your smartphone, download [Remote TemiScript](#) from Google Play Store / App Store



Input your temi's serial number or scan QR code, and your password from TemiScript on your temi.

QR code can be found under 'Remote' from the Settings menu from your Temi:





TemisScript function:

Location: Instantly send your temi to your desired location; or select certain locations for temi to begin patrol.

My Script: Create/edit/delete your customized action to best utilize temi.

Upload files: Customize the layout and appearance of your TemisScript page on your temi.

Schedule: Setup a specific time or repeat schedule to activate your script.


Live Control: Remotely maneuver your temi with your mobile device.

Talk to Temi: Remotely send voice command to temi

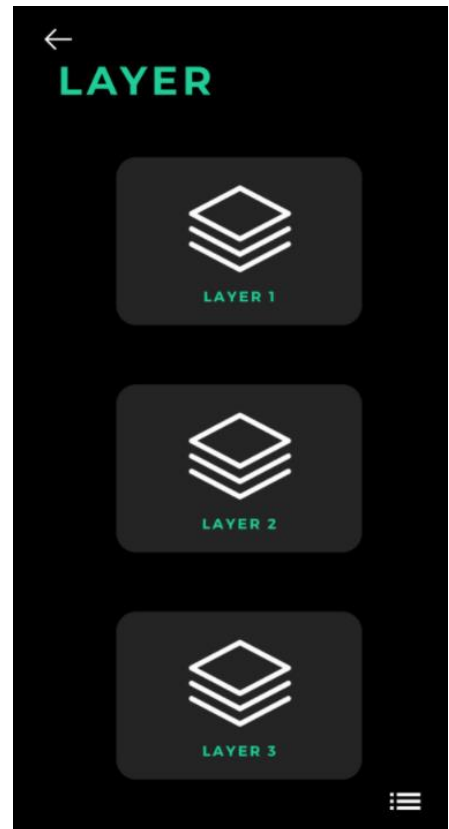
My Script

Select the layer you would like to edit.

***IMPORTANT:** TemiScript default setting is 1 layer. If you wish to change to 2 or 3 layers, please be sure to change it from the settings of 'Robocore TemiScript' app in your temi.

On the bottom right  , you will be able to access all your scripts.

Select the script (1-6) you would like to edit on, you can choose to **play / stop / edit / delete** the script.



In each script, you can:

- play / stop / save / delete the script
- customize the script description.
- play / edit / re-arrange order / delete each action
- add new actions

Silent: To run script / action in the background.

To add new action, press , you will be able to find the same list of command as P.3 - P.9

