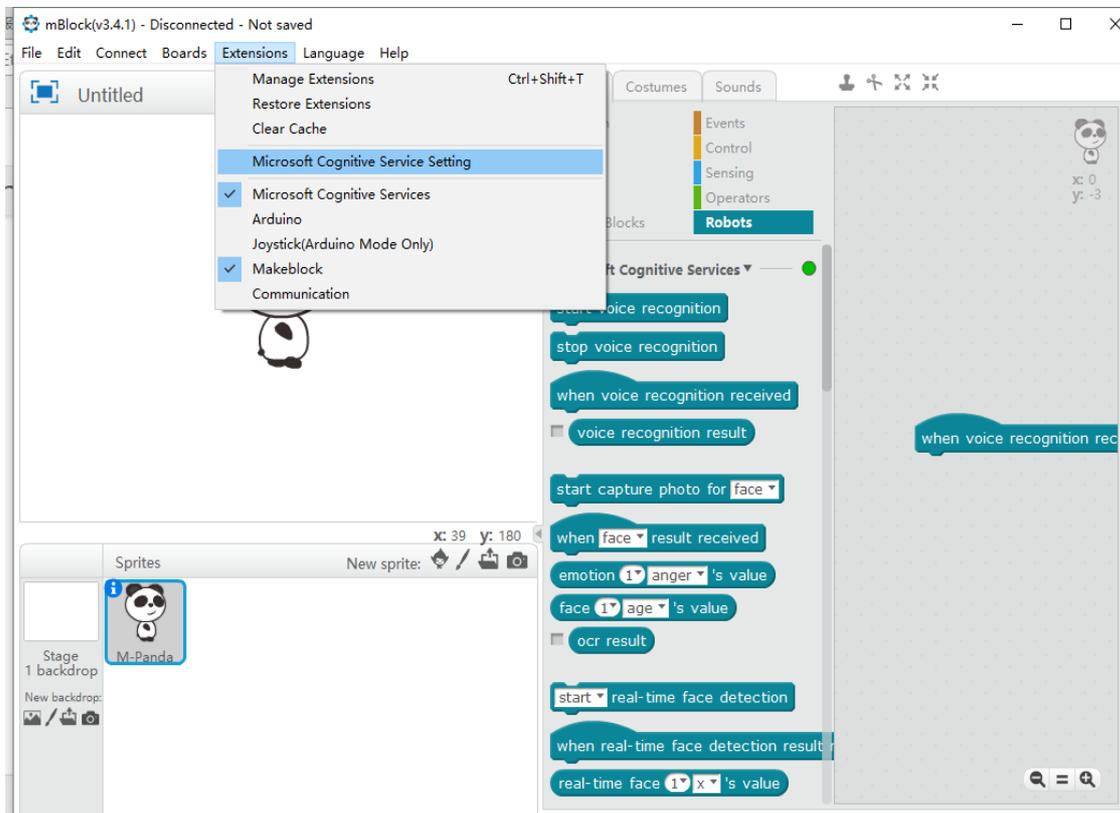# Microsoft Cognitive Service Setting

mBlock 3.4.1 verision published Microsoft Cognitive Service in extention function. In order to use Microsoft Cognitice Service on mBlock has to connect the software with Microsoft Cognitice Serive API.

If you don't have Microsoft account, please sign up https://signup.live.com/
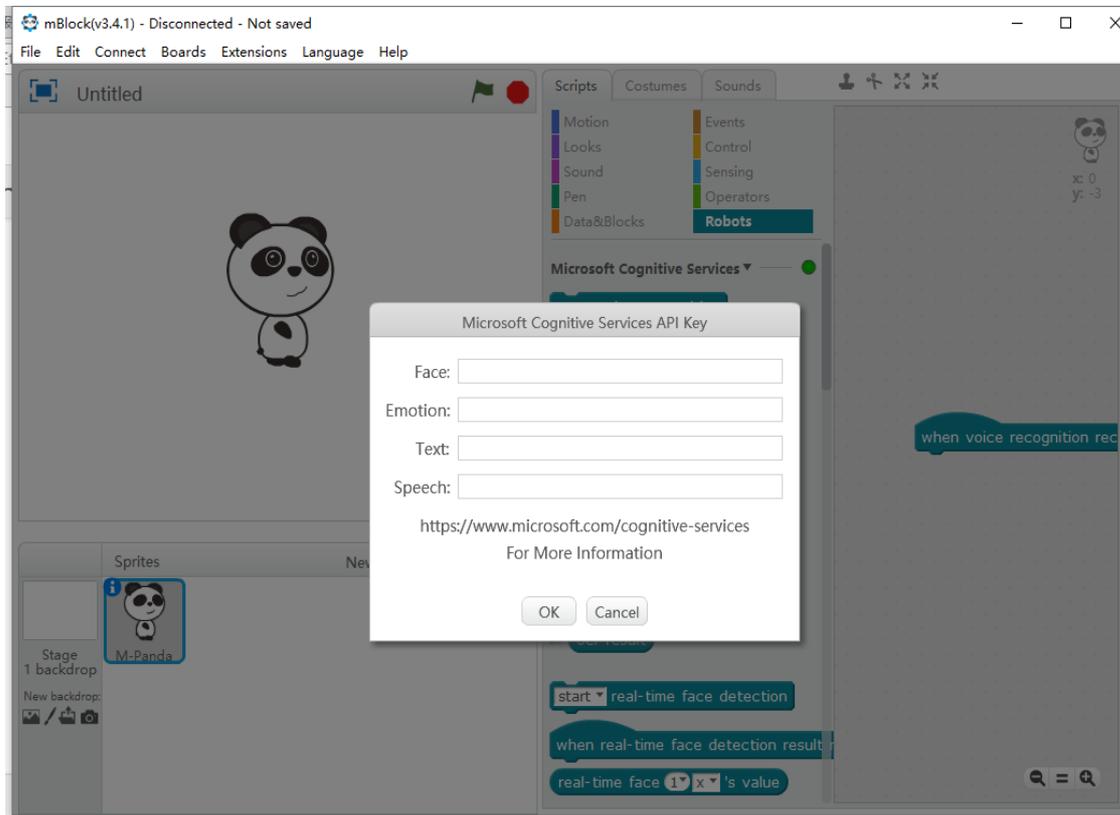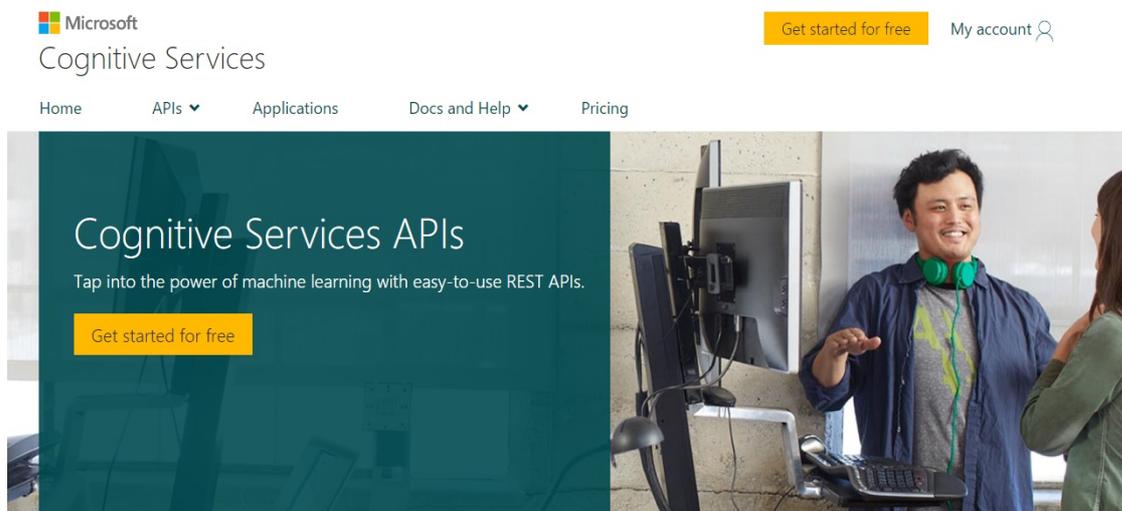
Step 1. Click Extensions Select Microsoft Cognitive Service Setting

Step 2. Click https://www.microsoft.com/cognitive-services

步骤 3. Click Get Start for free

步骤 4. Sign up new API functions for current verision mBlock，Computer Vision, Emotion, Face, Bing Speech, which are current API function for mBlock.

Face - Preview	30,000 transactions per month, 20 per minute.	密钥 1: XXXXXXXXXXXXXXXXXXXXXXXXXXXX 再生成 | 显示 | 复制 密钥 2: XXXXXXXXXXXXXXXXXXXXXXXXXXXX 再生成 | 显示 | 复制	active	2016/11/2 上午 10:58:42	显示配额	购买 ◪ 取消
Emotion - Preview	30,000 transactions per month, 20 per minute.	密钥 1: XXXXXXXXXXXXXXXXXXXXXXXXXXXX 再生成 | 显示 | 复制 密钥 2: XXXXXXXXXXXXXXXXXXXXXXXXXXXX 再生成 | 显示 | 复制	active	2016/11/2 上午 10:58:42	显示配额	购买 ◪ 取消
Computer Vision - Preview	5,000 transactions per month, 20 per minute.	密钥 1: XXXXXXXXXXXXXXXXXXXXXXXXXXXX 再生成 | 显示 | 复制 密钥 2: XXXXXXXXXXXXXXXXXXXXXXXXXXXX 再生成 | 显示 | 复制	active	2016/11/2 上午 11:24:37	显示配额	购买 ◪ 取消
Bing Speech - Preview	5,000 transactions per month, 20 per minute for each feature for a total of 60 per minute.	密钥 1: XXXXXXXXXXXXXXXXXXXXXXXXXXXX 再生成 | 显示 | 复制 密钥 2: XXXXXXXXXXXXXXXXXXXXXXXXXXXX 再生成 | 显示 | 复制	active	2016/11/2 上午 11:24:35	显示配额	购买 ◪ 取消

Step 5. Copy the API keys into corresponding setting
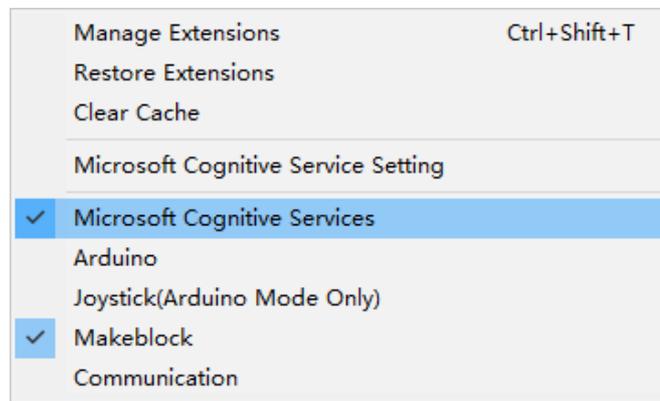
Microsoft Cognitive Services API Key

Face:

Emotion:

Text:

Speech:

https://www.microsoft.com/cognitive-services
For More Information

OK   Cancel

Step 6. Enable the extension block.

Manage Extensions	Ctrl+Shift+T
Restore Extensions	
Clear Cache	
Microsoft Cognitive Service Setting	
✓ Microsoft Cognitive Services	
Arduino	
Joystick(Arduino Mode Only)	
✓ Makeblock	
Communication	

Step7. Comfirm the API connected

Microsoft Cognitive Services ▼ ——— ●

start voice recognition

stop voice recognition

when voice recognition received

☐ voice recognition result

start capture photo for face ▼

when face ▼ result received

emotion 1▼ anger ▼ 's value

face 1▼ age ▼ 's value

☐ ocr result

start ▼ real-time face detection

when real-time face detection result

real-time face 1▼ x ▼ 's value