Physical Sensor for Scratch (Android App)

HOW TO USE

- How to use
- Unable to connect
- use multiple units

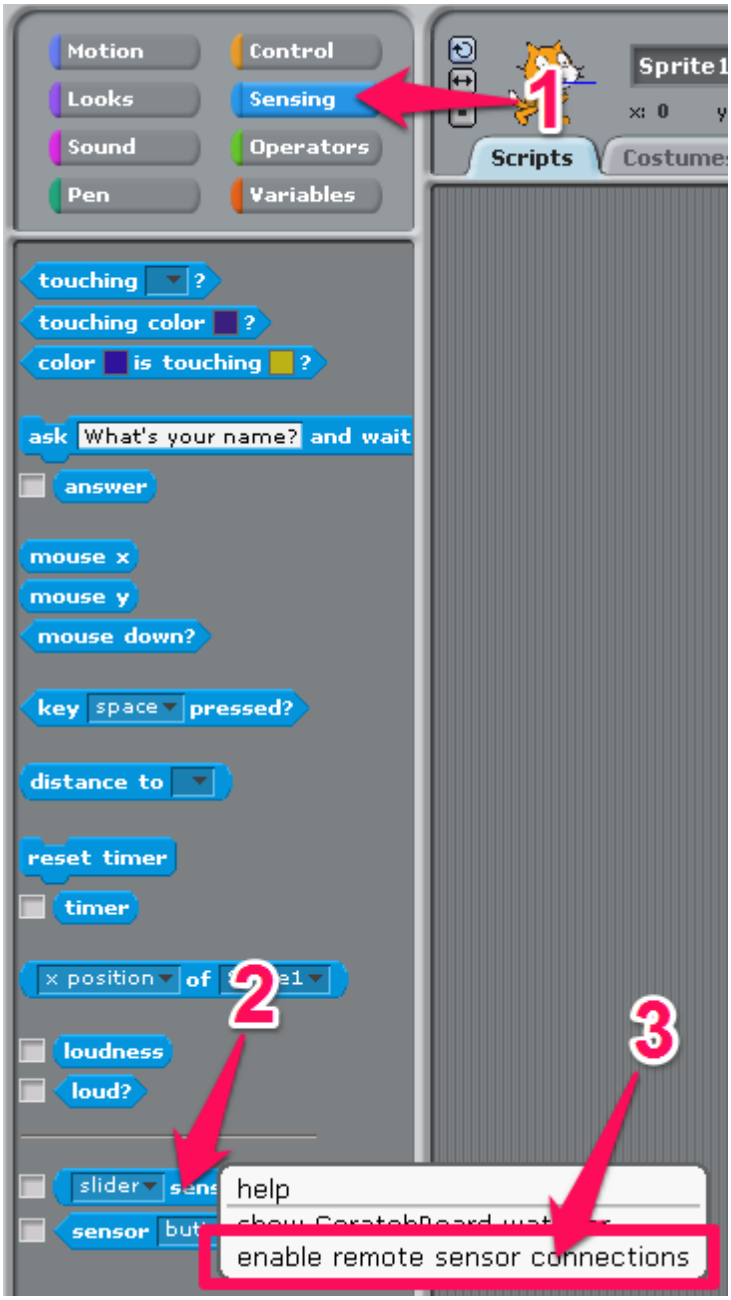
How to use

1. Download “Physical Sensor for Scratch” from Android Market
2. Turn on Scratch “remote sensor connecting”
3. **disable firewall** (your PC) or allow Scratch (if using)
4. connect with WiFi (Smartphone)
5. tap connect button! (Android Sensor for Scratch)

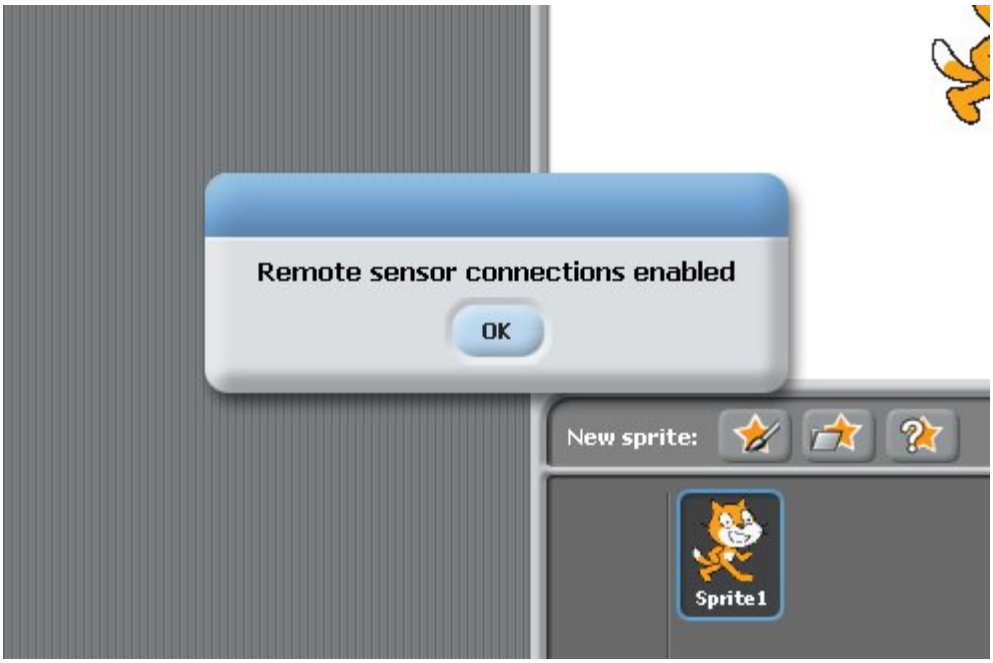
Download “Physical Sensor for Scratch” from Android Market

Turn on Scratch “remote sensor connecting”

1. Start Scratch 1.4 (Sorry, does not work “Scratch 2.0 Offline Editor”)
2. Sensing -> slider▼ sensor value -> Right-click



3. Select “enable remote sensor connections”

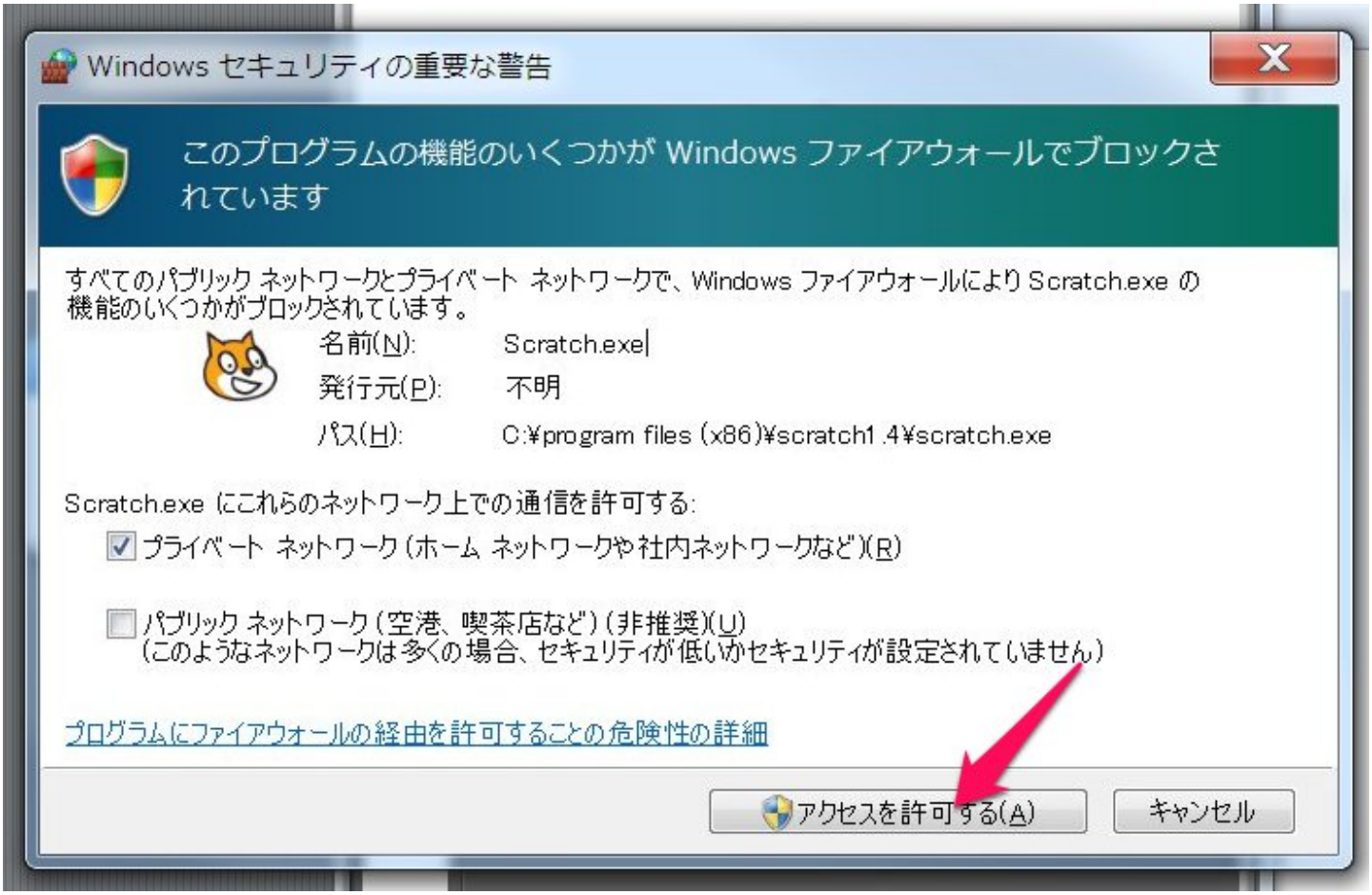


Disable firewall or allow Scratch

– Windows

Very important.

Allow scratch in firewall or disable firewall, While using this APP.



note

- Allow a program to communicate through Windows Firewall
  http://windows.microsoft.com/en-us/windows/communicate-through-windows-firewall
- ESET Smart Security firewall
  http://kb.eset.com/esetkb/index?page=content&id=SOLN2149

– Mac OS X

- http://support.apple.com/kb/ht1810

-Linux / raspberry pi (If you use it)

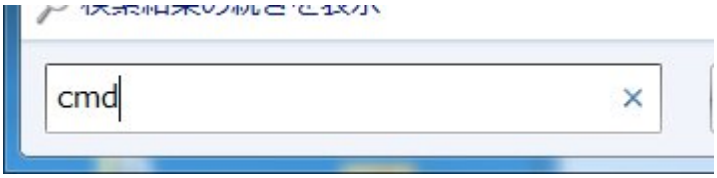
- add /etc/network/iptables
  -A INPUT -i eth0 -p tcp -m tcp –dport 42001 -j ACCEPT
  -A INPUT -i wlan0 -p tcp -m tcp –dport 42001 -j ACCEPT

Connect with LAN and Note your Computer IP

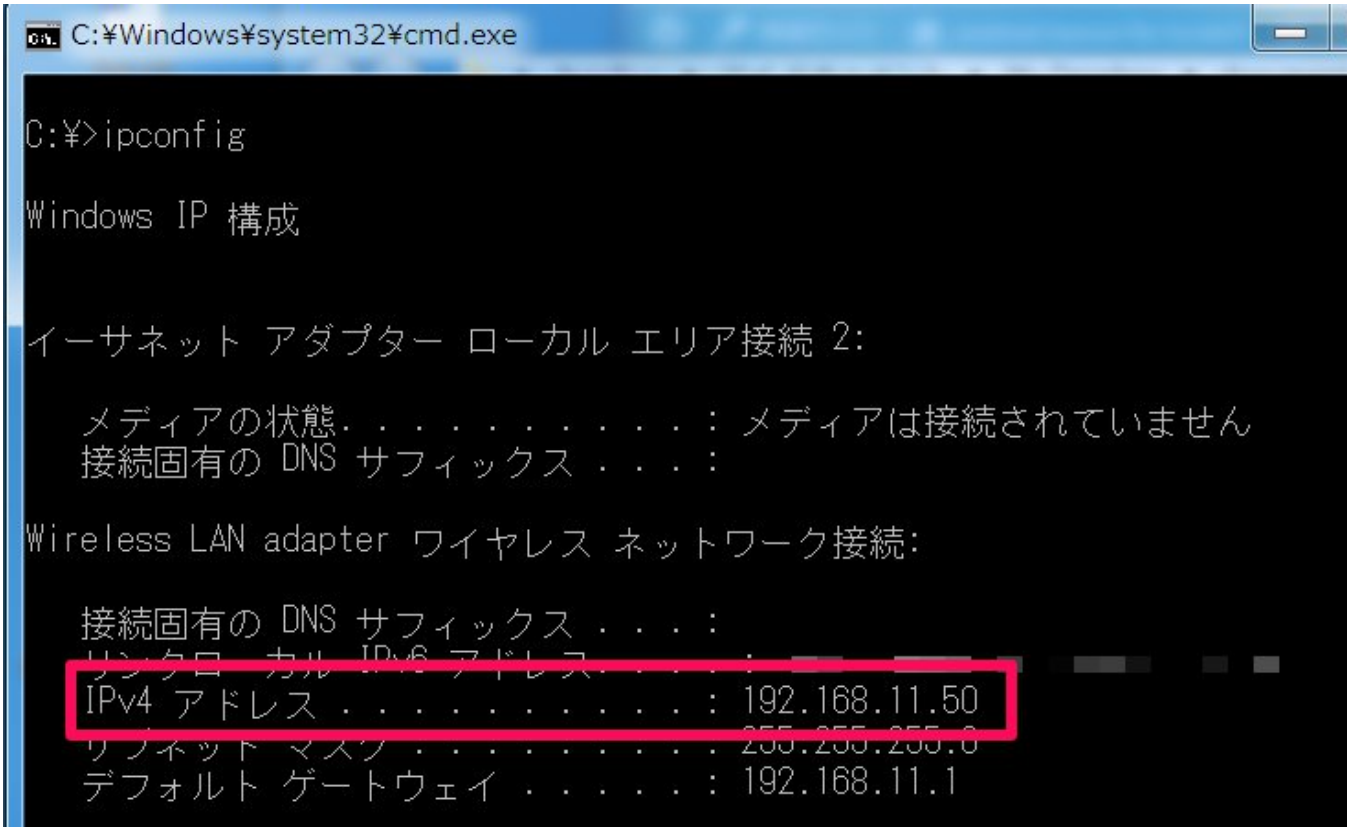
Check your Computer IP Address

– Windows

1. Click on the **Start Menu**, type *cmd* in search box, and press **Enter**.



2. In the Command Prompt, type ipconfig /all and press Enter. Your IP Address is listed to the right of IPv4 Address.

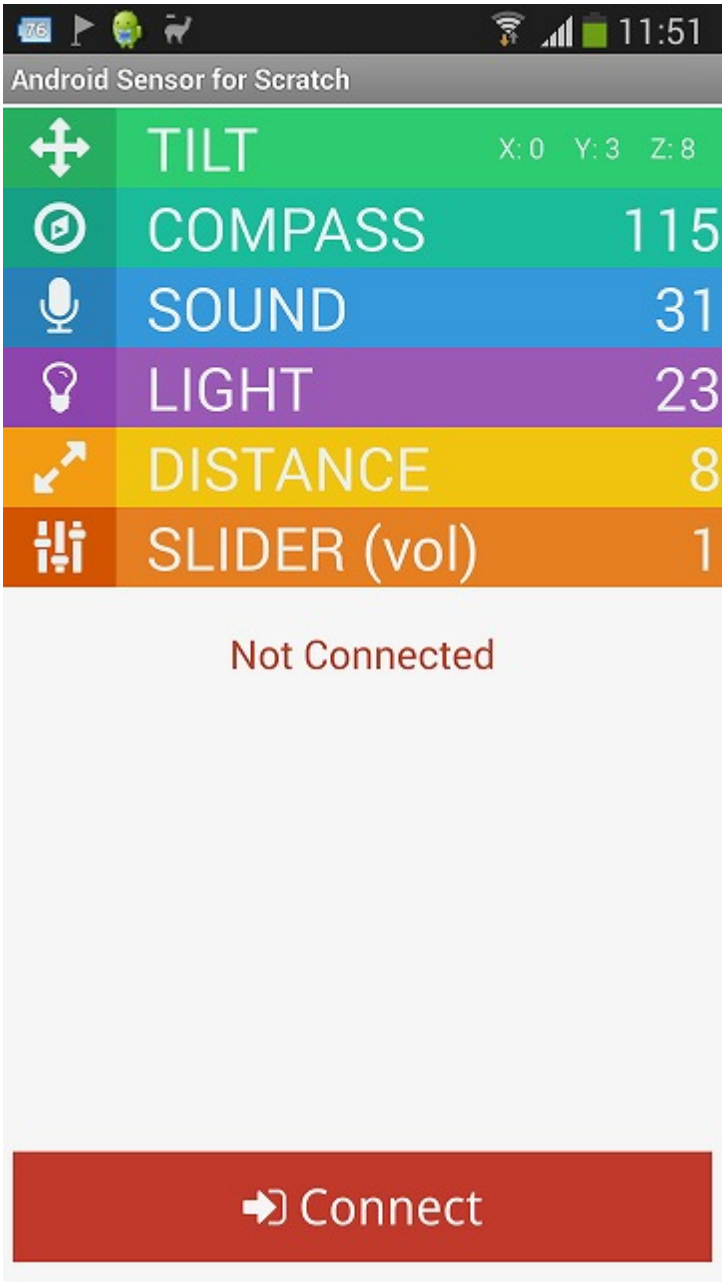


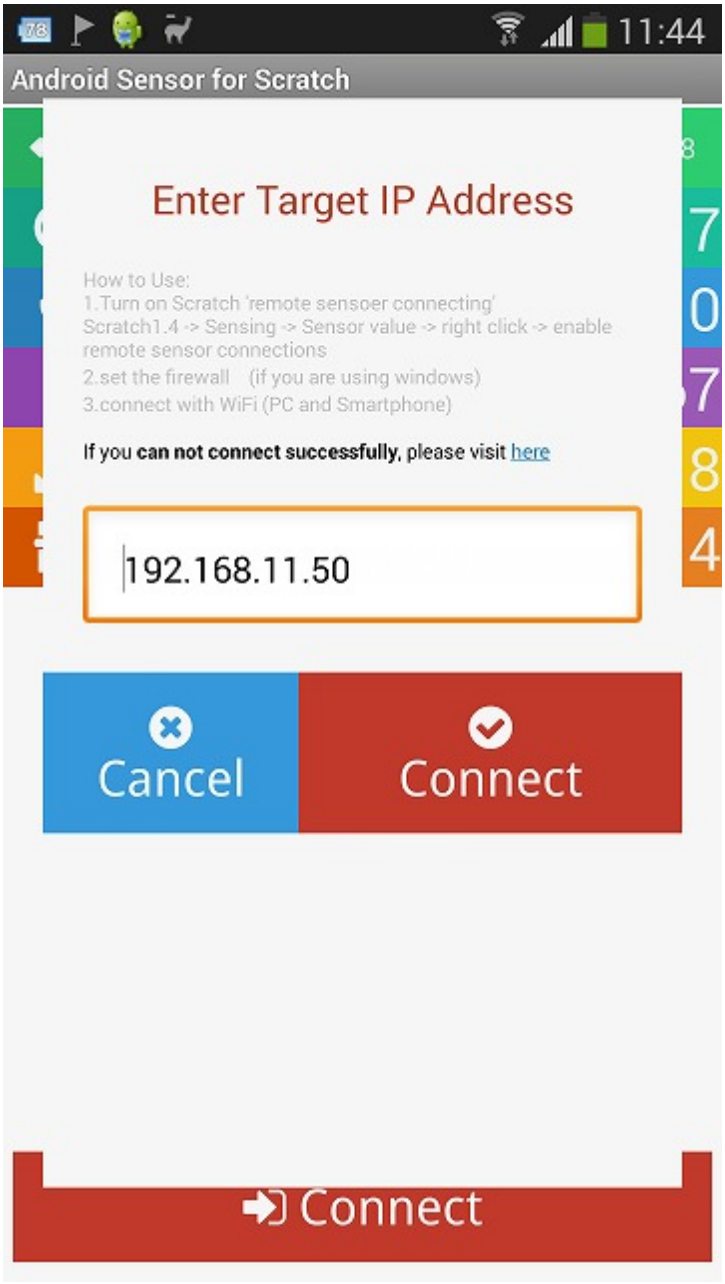
– Mac / Linux

1. Terminal
2. type ip a

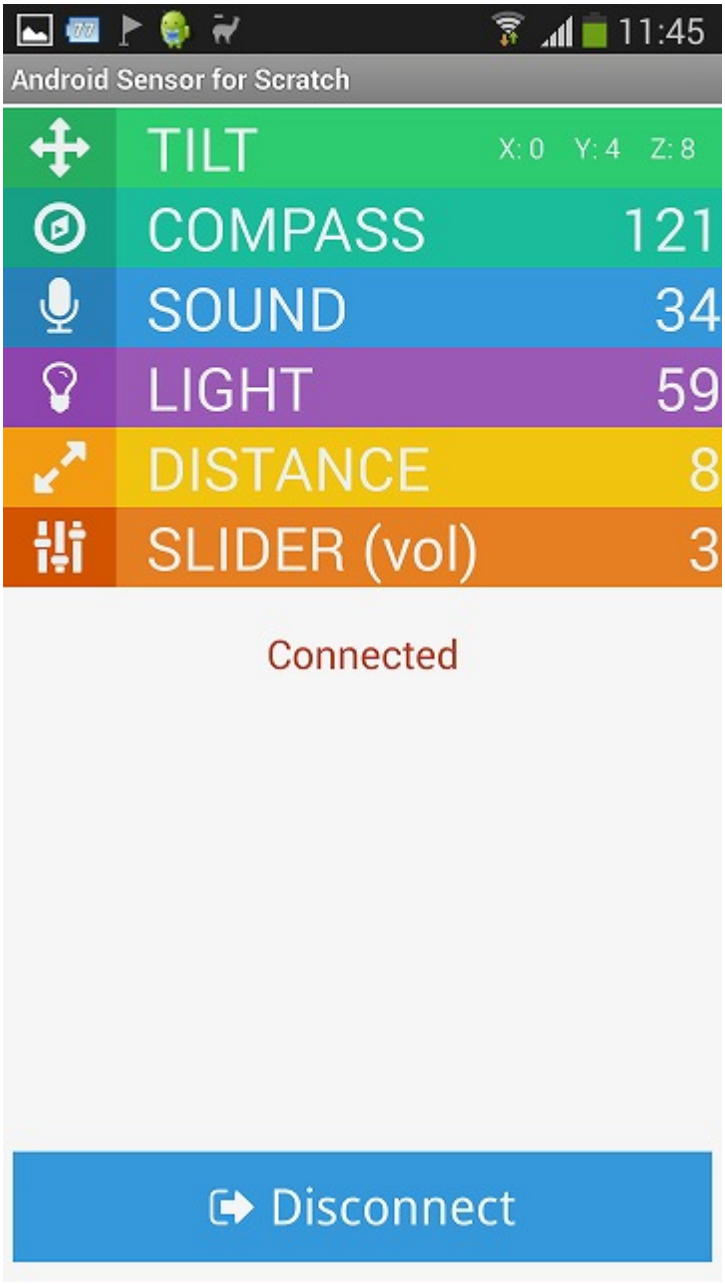
tap connect button!

1. Enter PC IP Address.

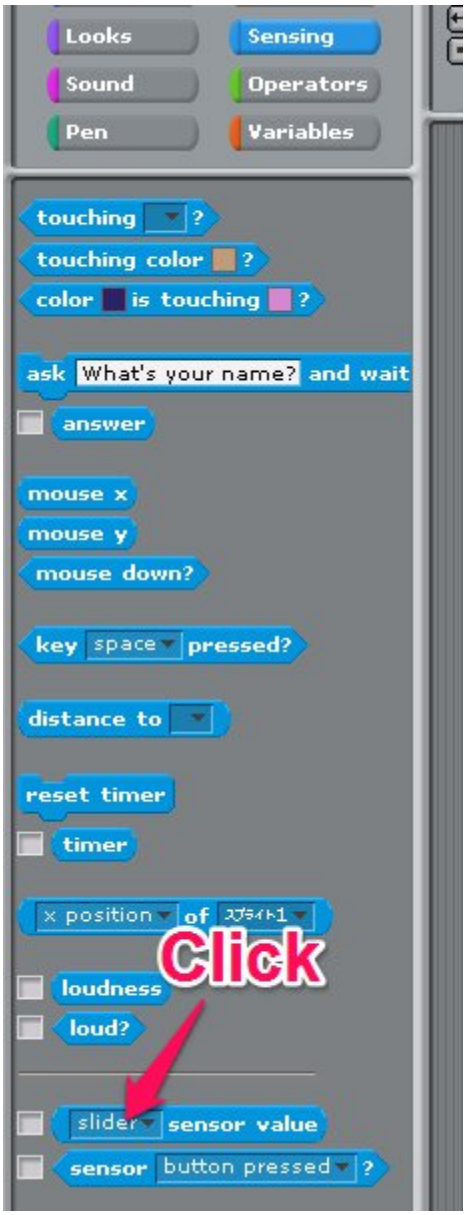

11:51
Android Sensor for Scratch
TILT
X: 0 Y: 3 Z: 8
COMPASS
115
SOUND
31
LIGHT
23
DISTANCE
8
SLIDER (vol)
1
Not Connected
Connect

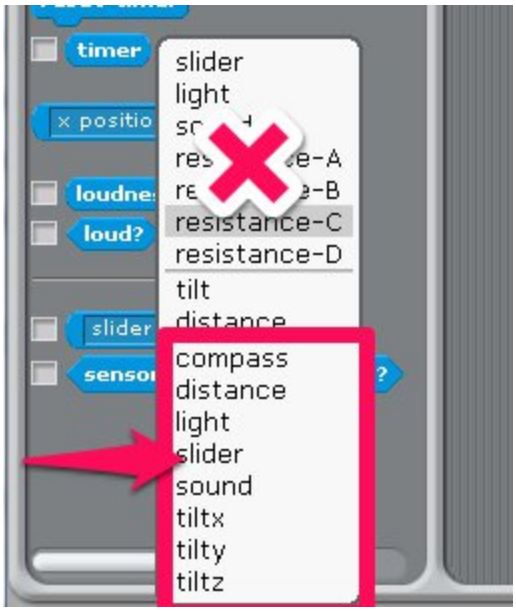

11:44
Android Sensor for Scratch
Enter Target IP Address
How to Use:
1.Turn on Scratch 'remote sensoer connecting'
Scratch1.4 -> Sensing -> Sensor value -> right click -> enable remote sensor connections
2.set the firewall (if you are using windows)
3.connect with WiFi (PC and Smartphone)
If you can not connect successfully, please visit here
192.168.11.50
Cancel
Connect
Connect

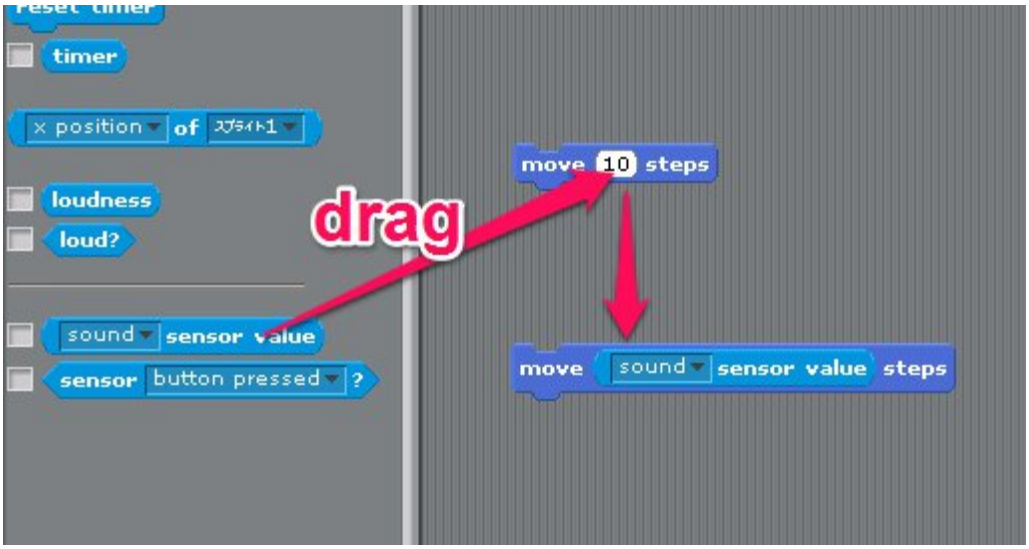
2. Connect.


11:45
Android Sensor for Scratch
TILT
X: 0 Y: 4 Z: 8
COMPASS
121
SOUND
34
LIGHT
59
DISTANCE
8
SLIDER (vol)
3
Connected
Disconnect

Use Scratch


Looks
Sensing
Sound
Operators
Pen
Variables
touching ?
touching color ?
color is touching ?
ask What's your name? and wait
answer
mouse x
mouse y
mouse down?
key space pressed?
distance to
reset timer
timer
x position of
Click
loudness
loud?
slider sensor value
sensor button pressed ?


timer
slider
light
resistance-C
resistance-D
tilt
distance
compass
distance
light
slider
sound
tiltx
tilty
tiltz



Unable to connect

Check the setting of firewall and open TCP port 42001, or allow Scratch.

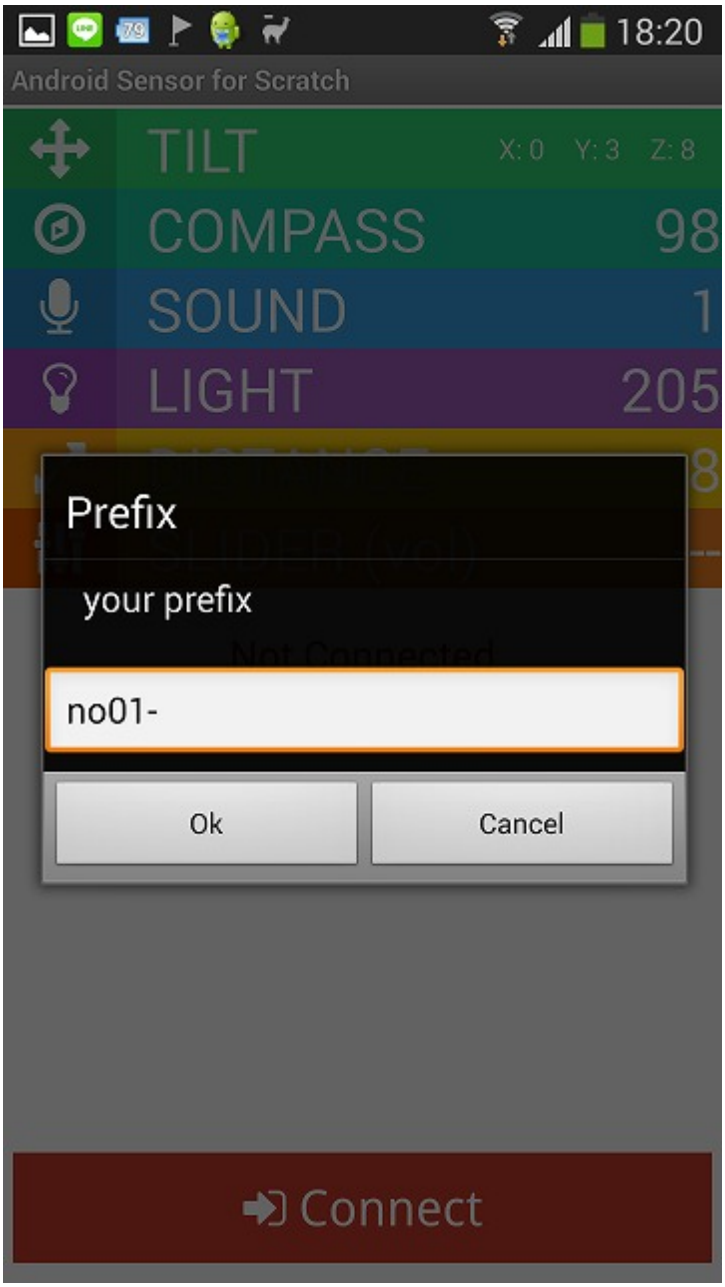
Please read here.

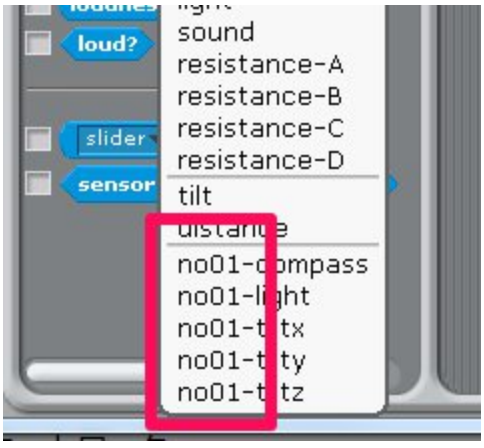
use multiple units

If you want to use by two or more sets.
Menu -> Setting -> Prefix

18:20
Android Sensor for Scratch
TILT
X: 1 Y: 3 Z: 8
COMPASS
95
SOUND
1
LIGHT
192
DISTANCE
8
SLIDER (vol)

Not Connected
About
Help
Setting





One Response

vitto · 12月 19, 2014 at 03:43:52 · →

is there a way to make it work with scratch 2 offline editor, where the slider sesning block has been withdrawn ?

コメントをのこす

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