



CUBROID A SCRATCH

Návod na zprovoznění programu Scratch a spárování s Cubroid

Funguje pouze s **OS Windows**



CO BUDETE POTŘEBOVAT

POČÍTAČ

STAVEBNICI CUBROID



BUDETE POTŘEBOVAT SOFTWARE

ADOBE AIR

SCRATCH 2.0 DESKTOP

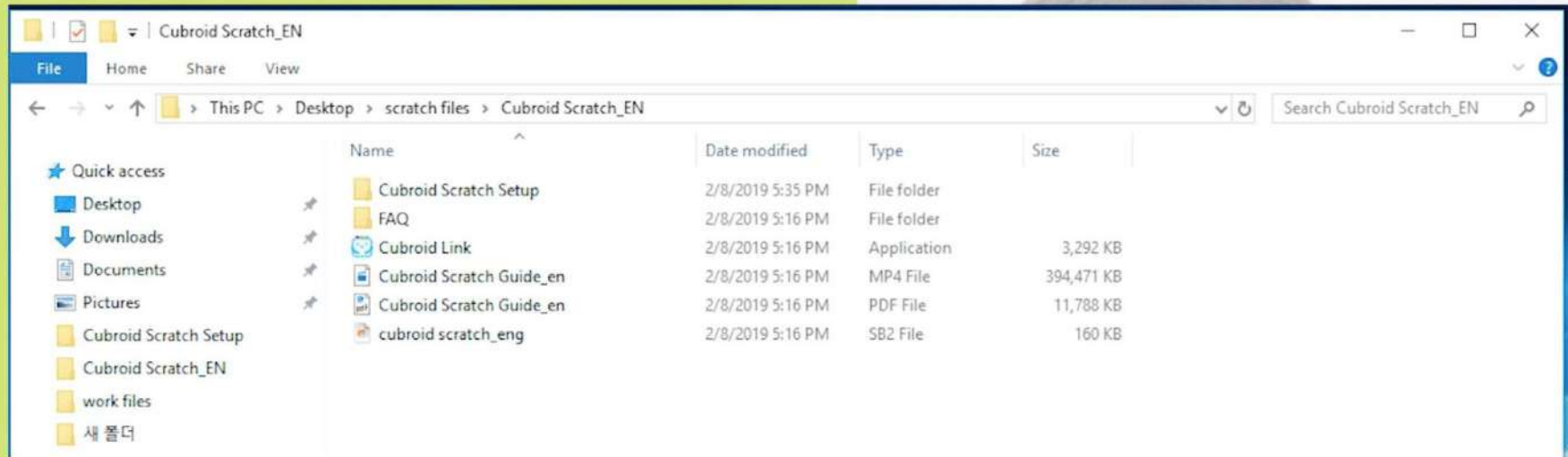
SOUBORY CUBROID SCRATCH

Pro stažení starší verze Scratch
(**Scratch 2.0 Desktop**) se posuňte níže.



SOUBORY CUBROID SCRATCH

(CUBROID SCRATCH FILES)



STÁHNĚTE NA STRÁNKÁCH

<<http://codingblocks.cubroid.com/>>

A SLOŽKY ROZBALTE

Krok 1

INSTALACE SOFTWARU





ADOBE AIR

A young boy and girl are sitting at a table, focused on building a LEGO robot. The boy is in the background, smiling, and the girl is in the foreground, looking intently at the robot. The robot is a white LEGO Technic model with a black motor and various colored bricks. On the table in front of them are several loose LEGO bricks in yellow, blue, green, and grey, and a black tray containing more bricks. The background is a bright, out-of-focus indoor setting.

ZADEJTE DO VYHLEDAVAČE

NAPIŠTE URL: *SCRATCH.MIT.EDU/DOWNLOAD*

운영체제를 선택하세요: [Windows](#) [macOS](#)

Older Versions

Looking for the Scratch 2.0 Offline Editor or Scratch 1.4?



[Scratch 2.0 Desktop](#) →



[Scratch 1.4 Desktop](#) →

Odkaz ke stažení starší verze Scratch (**Scratch 2.0 Desktop**) najdete níže na stránce.

[부모](#)
[교육자](#)
[개발자를 위해서](#)
[공로자](#)
[채용](#)
[언론 보도](#)

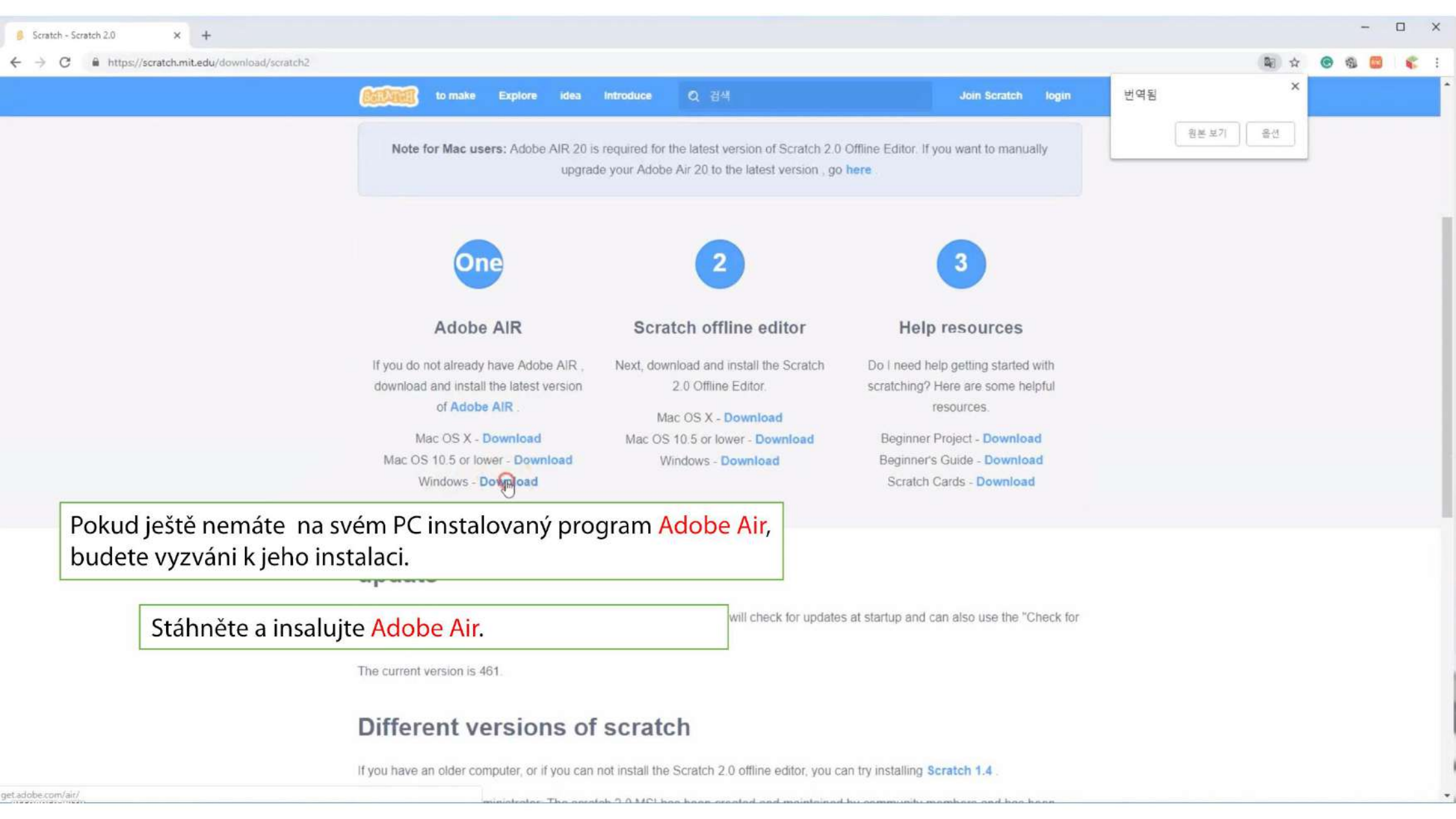
[토론방](#)
[스크래치 위키](#)
[통계](#)

[디어](#)
[자주 묻는 질문\(FAQ\)](#)
[오프라인 에디터](#)
[문의하기](#)
[스크래치 상점 판매점](#)
[기부](#)

[법률](#)
[약관](#)
[개인정보보호 정책](#)
[디지털 밀레니엄 저작권법](#)

[스크래치 패밀리](#)
[ScratchEd](#)
[스크래치 주니어](#)
[Scratch Day](#)
[스크래치 컨퍼런스](#)
[스크래치 재단](#)

[한국어](#) ▼



Note for Mac users: Adobe AIR 20 is required for the latest version of Scratch 2.0 Offline Editor. If you want to manually upgrade your Adobe Air 20 to the latest version, go here.



Adobe AIR

If you do not already have Adobe AIR, download and install the latest version of Adobe AIR.

- Mac OS X - [Download](#)
- Mac OS 10.5 or lower - [Download](#)
- Windows - [Download](#)



Scratch offline editor

Next, download and install the Scratch 2.0 Offline Editor.

- Mac OS X - [Download](#)
- Mac OS 10.5 or lower - [Download](#)
- Windows - [Download](#)



Help resources

Do I need help getting started with scratching? Here are some helpful resources.

- Beginner Project - [Download](#)
- Beginner's Guide - [Download](#)
- Scratch Cards - [Download](#)

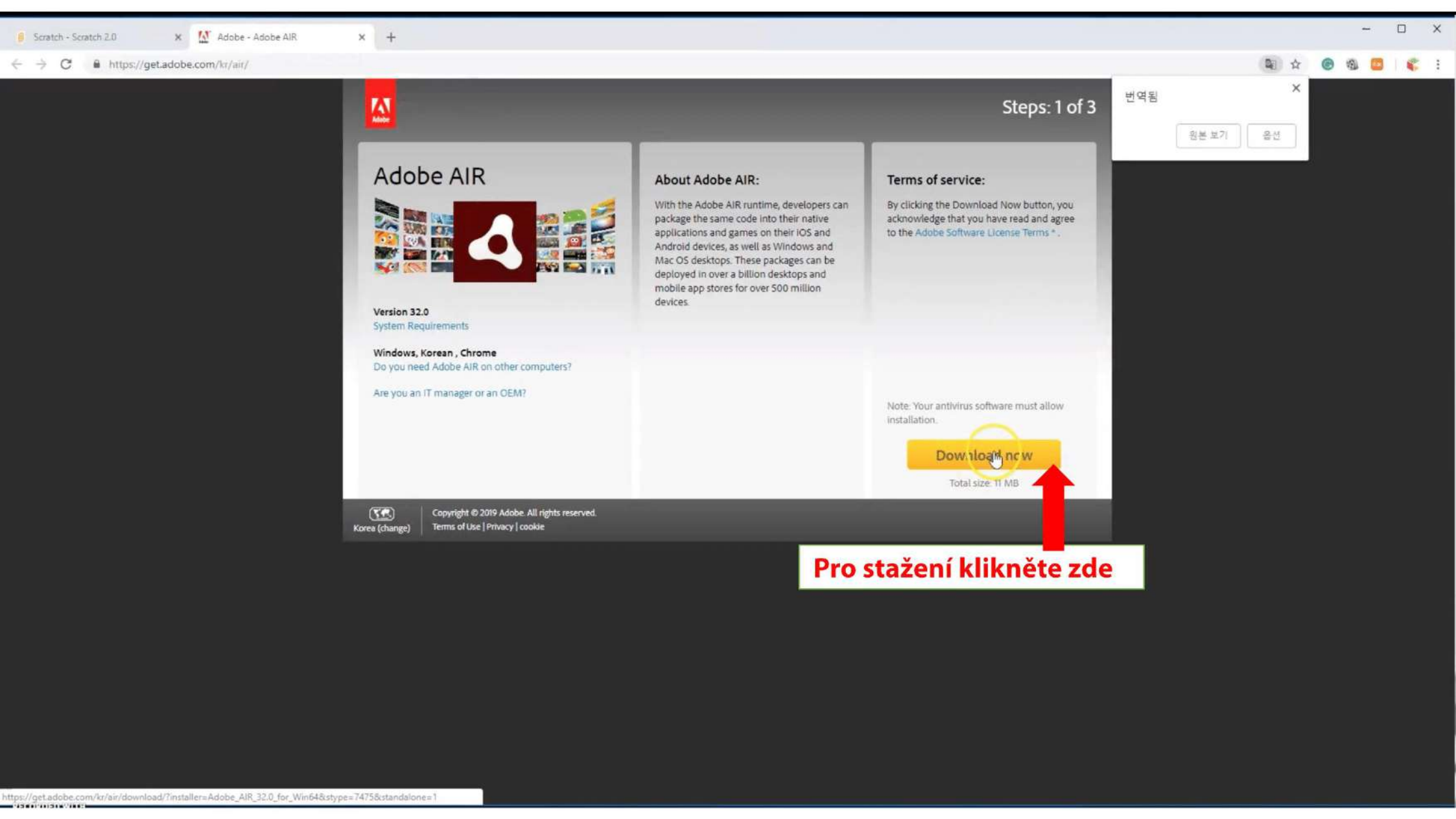
Pokud ještě nemáte na svém PC instalovaný program Adobe Air, budete vyzváni k jeho instalaci.

Stáhněte a instalujte Adobe Air.

The current version is 461.

Different versions of scratch

If you have an older computer, or if you can not install the Scratch 2.0 offline editor, you can try installing Scratch 1.4.



Steps: 1 of 3

Adobe AIR



Version 32.0
[System Requirements](#)

Windows, Korean, Chrome
[Do you need Adobe AIR on other computers?](#)
[Are you an IT manager or an OEM?](#)

About Adobe AIR:

With the Adobe AIR runtime, developers can package the same code into their native applications and games on their iOS and Android devices, as well as Windows and Mac OS desktops. These packages can be deployed in over a billion desktops and mobile app stores for over 500 million devices.

Terms of service:

By clicking the Download Now button, you acknowledge that you have read and agree to the [Adobe Software License Terms](#).

Note: Your antivirus software must allow installation.

Download now


Total size: 11 MB

다운로드


[약관 보기](#) [동의](#)

Pro stažení klikněte zde

Step: 2 of 3




Adobe AIR



What's New

game
Enjoy 2D and 3D games like cool, fast movies on your desktop, iOS, and Android™. With fully accelerated GPU rendering and game controller support, you can enjoy games at home or on the go.

The download will start shortly.



K instalaci klikněte zde



Step: 2 of 3

Adobe AIR

What's New

High performance

Experience naturally. Responsive peak usage

Adobe AIR Setup

Adobe AIR

Installer Setup

This installer will setup Adobe AIR, software that enables web-connected desktop applications. Please review and agree to the license agreement to continue.

ADOBE Personal Computer Software License Agreement

1. WARRANTY DISCLAIMER, BINDING AGREEMENT AND ADDITIONAL TERMS AND AGREEMENTS.

1.1 **WARRANTY DISCLAIMER** - THE SOFTWARE AND OTHER INFORMATION IS DELIVERED TO YOU "AS IS"

By clicking the "I Agree" button I acknowledge that I have read and accept the terms of the above agreement.

I Agree Cancel

next

Klikněte na "I agree" (Souhlasím)

Step: 2 of 3

Adobe AIR

Adobe AIR Setup

Adobe AIR
Installation completed.
Adobe AIR has been successfully installed.

Finish

next

Klikněte na "Finish" (Dokončit)

A young boy and girl are sitting at a table, looking at a small white LEGO robot. The boy is smiling and the girl is looking intently. There are various colorful LEGO bricks and a tray of sorted bricks on the table. The background is a bright, out-of-focus room.

SCRATCH 2.0 DESKTOP

Dále se vraťte na stránky Scratch a stáhněte program [Scratch 2.0 Desktop](#).

Note for Mac users: Adobe AIR 20 is required for the latest version of Scratch 2.0 Offline Editor. If you want to manually upgrade your Adobe Air 20 to the latest version, go [here](#).

One

Adobe AIR

If you do not already have Adobe AIR, download and install the latest version of [Adobe AIR](#).

- Mac OS X - [Download](#)
- Mac OS 10.5 or lower - [Download](#)
- Windows - [Download](#)

2

Scratch offline editor

Next, download and install the Scratch 2.0 Offline Editor.

- Mac OS X - [Download](#)
- Mac OS 10.5 or lower - [Download](#)
- Windows - [Download](#)



3

Help resources

Do I need help getting started with scratching? Here are some helpful resources.

- Beginner Project - [Download](#)
- Beginner's Guide - [Download](#)
- Scratch Cards - [Download](#)

update

The offline editor can update itself (if the user agrees to "Check for Updates" command on the File menu.

The current version is 461.

Klikněte na "Download" (Stáhnout)

Different versions of scratch

If you have an older computer, or if you can not install the Scratch 2.0 offline editor, you can try installing [Scratch 1.4](#).

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One

Adobe AIR

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- Mac OS 10.5 or lower - [Download](#)
- Windows - [Download](#)

2

Scratch offline editor

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- Windows - [Download](#)

3

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- Beginner's Guide - [Download](#)
- Scratch Cards - [Download](#)

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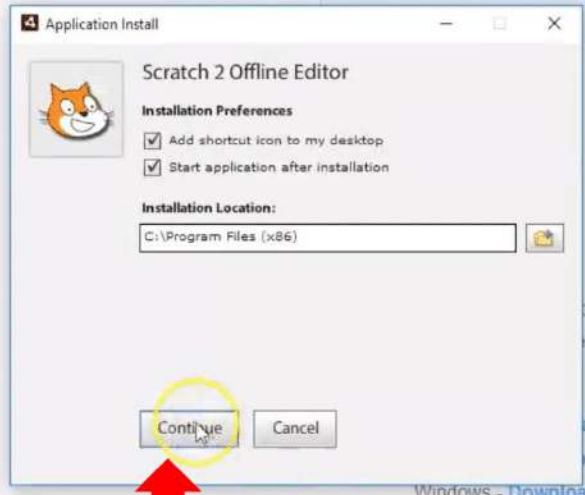
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Different versions of scratch

Pro instalaci klikněte zde



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Klikejte pro dokončení

2

Scratch offline editor

Next, download and install the Scratch 2.0 Offline Editor.

- Mac OS X - [Download](#)
- Mac OS 10.5 or lower - [Download](#)
- Windows - [Download](#)

3

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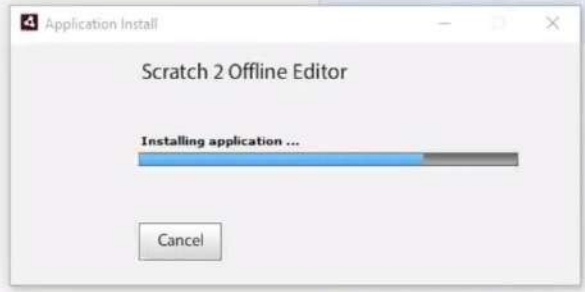
The current version is 461.

Different versions of scratch

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If you are a network administrator, The scratch 2.0 MSI has been created and maintained by community members and has been

Note for Mac users: Adobe AIR 20 is required for the latest version of Scratch 2.0 Offline Editor. If you want to manually upgrade your Adobe Air 20 to the latest version, go [here](#).



2

Scratch offline editor

If you do not already have Adobe AIR, download and install the latest version of Adobe AIR. Next, download and install the Scratch 2.0 Offline Editor.

- Mac OS 10.5 or lower - [Download](#)
- Windows - [Download](#)
- Windows - [Download](#)

3

Help resources

Do I need help getting started with scratching? Here are some helpful resources.

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- Beginner's Guide - [Download](#)
- Scratch Cards - [Download](#)

Po dokončení instalace **Scratch** otevřete.

update

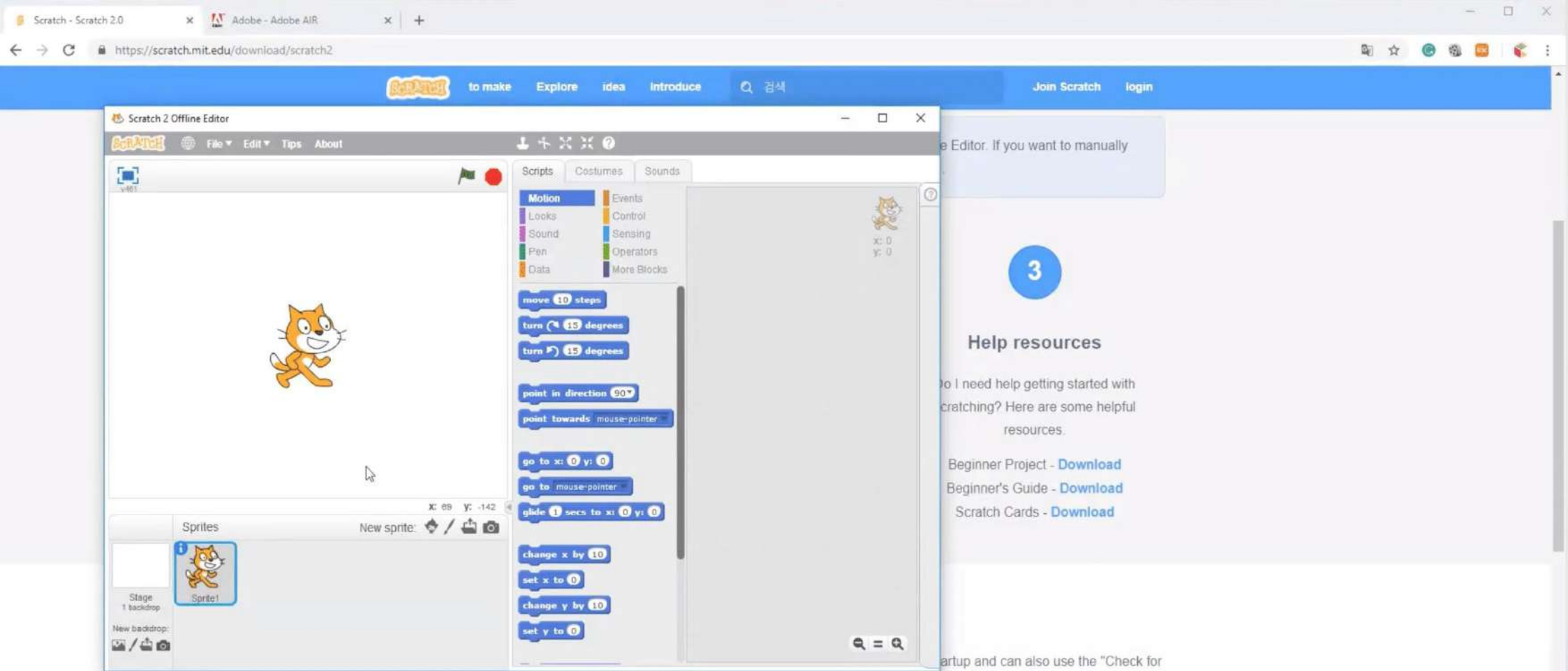
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Updates" command on the File menu.

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Different versions of scratch

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If you are a network administrator, The scratch 2.0 MSI has been created and maintained by community members and has been

A young boy and girl are sitting at a table, focused on building a robot using LEGO bricks. The boy is in the background, smiling as he works on the robot's head. The girl is in the foreground, looking intently at the robot. The robot is a small, white, cube-shaped structure with various colored bricks and a small motor on top. The table is covered with a white cloth and has several LEGO bricks and a tray of sorted bricks in front of the children. The background is a bright, out-of-focus indoor setting.

Krok 2

SPÁROVÁNÍ CUBROID S POČÍTAČEM

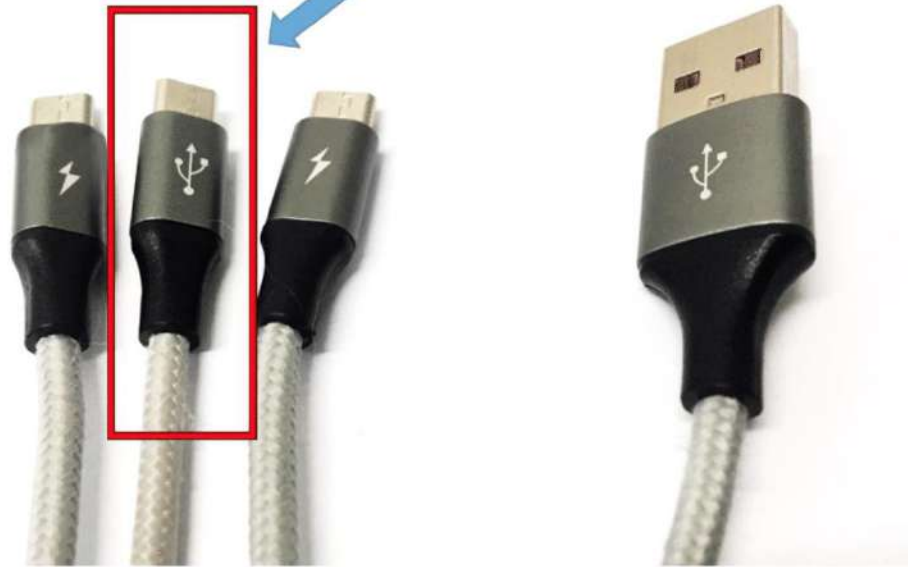
A young boy and girl are sitting at a table, focused on building a LEGO robot. The boy is in the background, smiling as he works on the robot's head. The girl is in the foreground, looking intently at the robot. The robot is a white and grey structure with a small screen and sensors. On the table in front of them are various LEGO bricks in different colors (red, yellow, green, blue, white) and a black tray containing more bricks. The background is a bright, white room with a window.

CO BUDETE POTŘEBOVAT

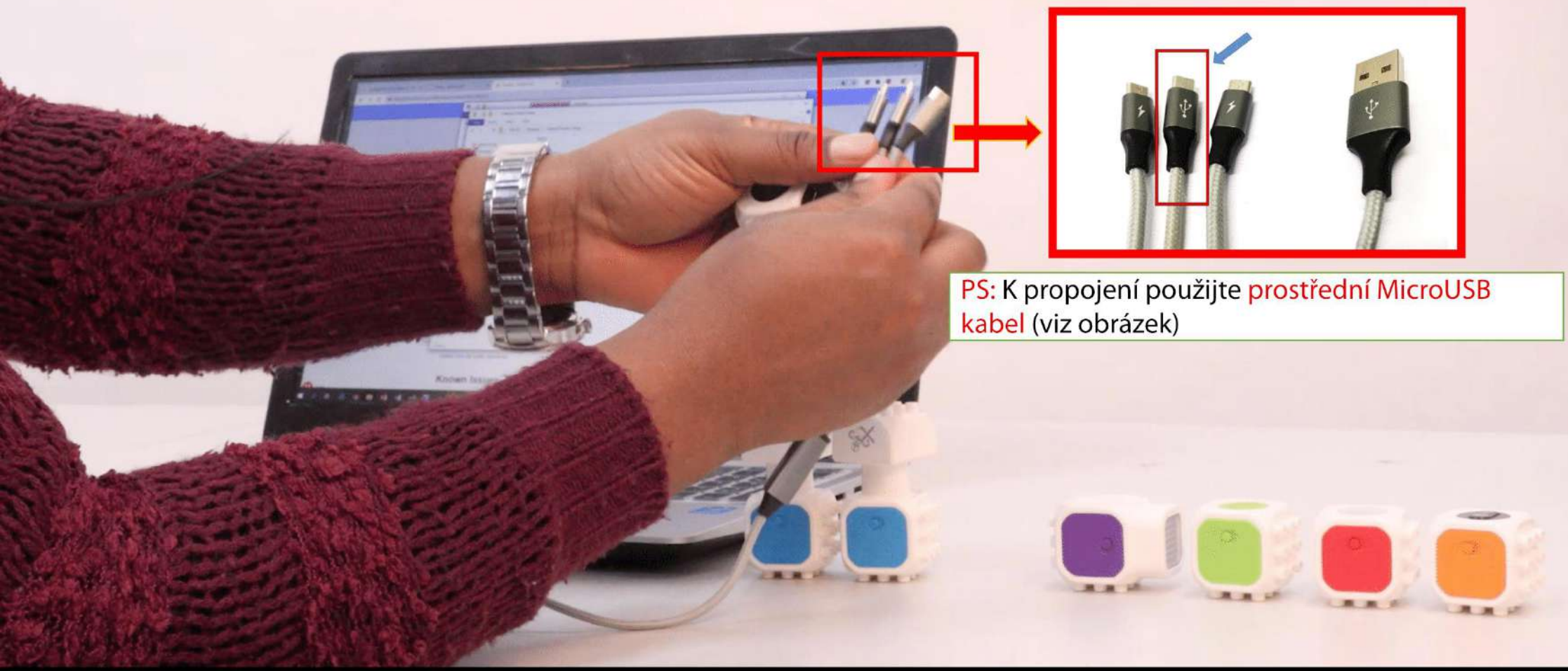


MASTER BLOK

USB KONEKTOR

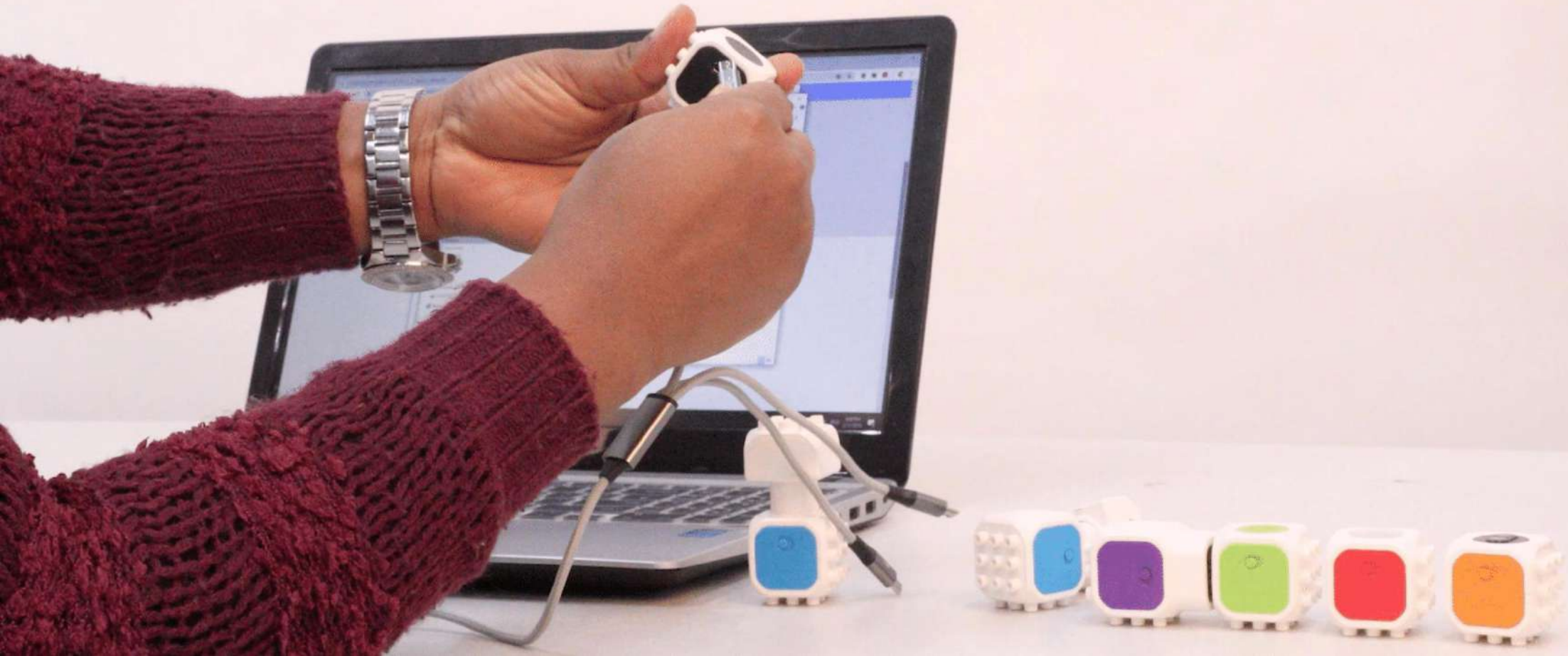


S POMOCÍ KABELU PROPOJTE MASTER BLOK S POČÍTAČEM



PS: K propojení použijte **prostřední MicroUSB kabel** (viz obrázek)

PROPOJTE MASTER BLOK S POČÍTAČEM



PROPOJTE MASTER BLOK S POČÍTAČEM

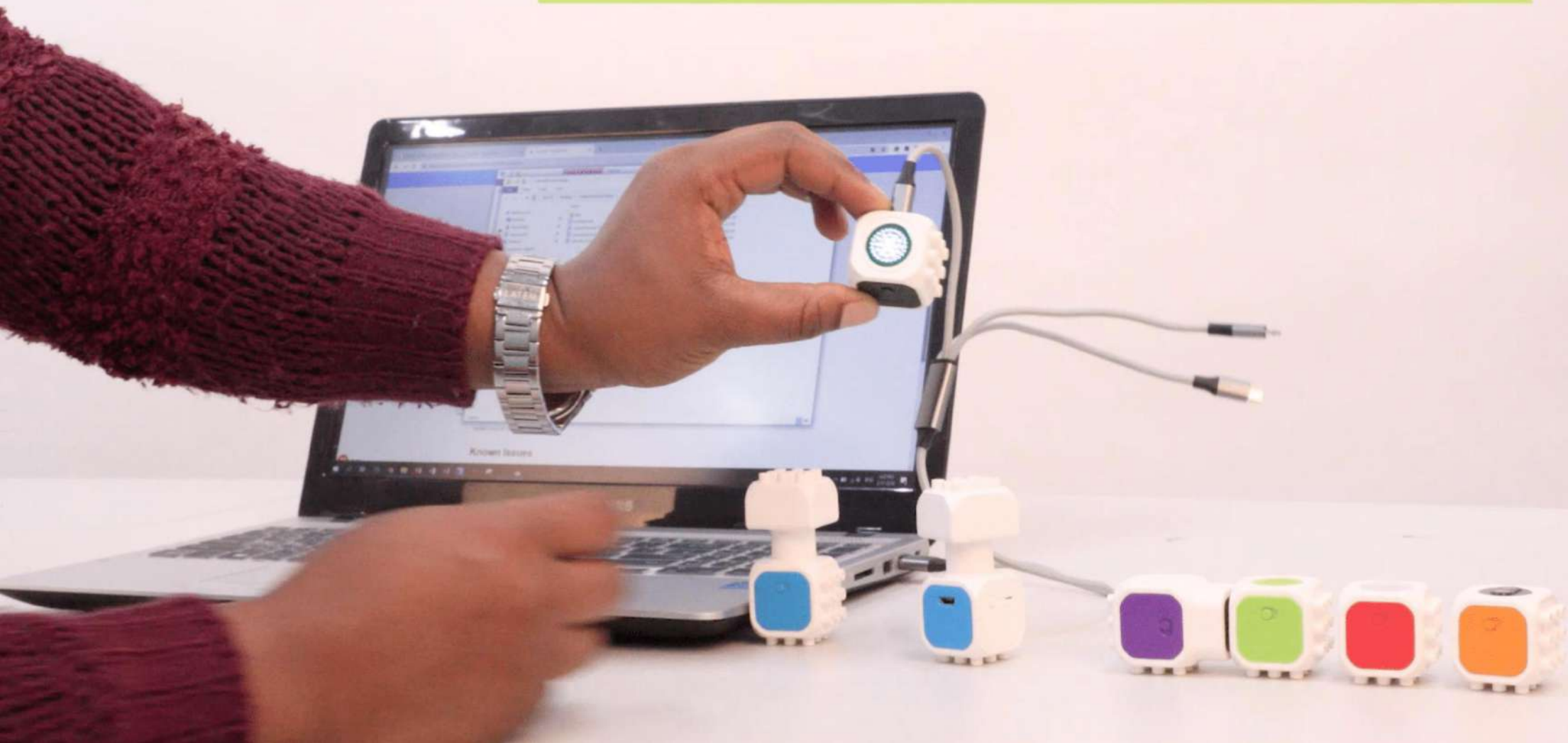


ZAPNĚTE MASTER BLOK

Blok zapnete posunutím **spouštěcího tlačítka doprava**.



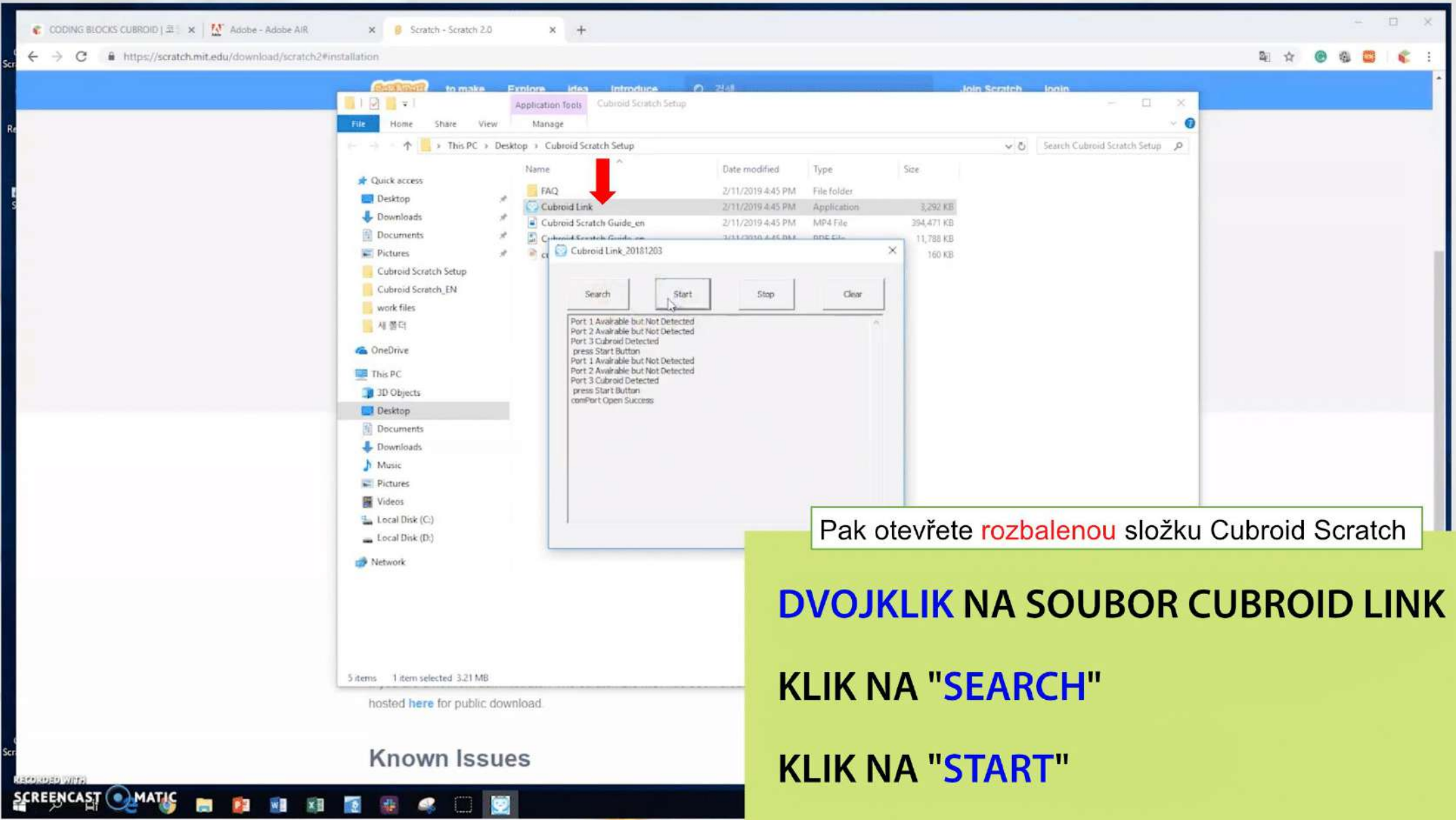
SVĚTLO NA BLOKU SE ZBARVÍ ZELENĚ



A young boy and girl are sitting at a table, focused on building a robot using LEGO bricks. The boy is in the background, smiling, and the girl is in the foreground, looking intently at the robot. The robot is a white base with various colored bricks on top. In the foreground, there are several loose LEGO bricks in yellow, blue, and green, and a black tray containing more bricks in red, yellow, green, blue, and white. The background is a bright, out-of-focus room with a window.

Krok 3

SOUBORY CUBROID SCRATCH:
SPUSŤTE PROGRAM [CUBROID LINK](#)



Pak otevřete rozbalenou složku Cubroid Scratch

DVOJKLIK NA SOUBOR CUBROID LINK

KLIK NA "SEARCH"

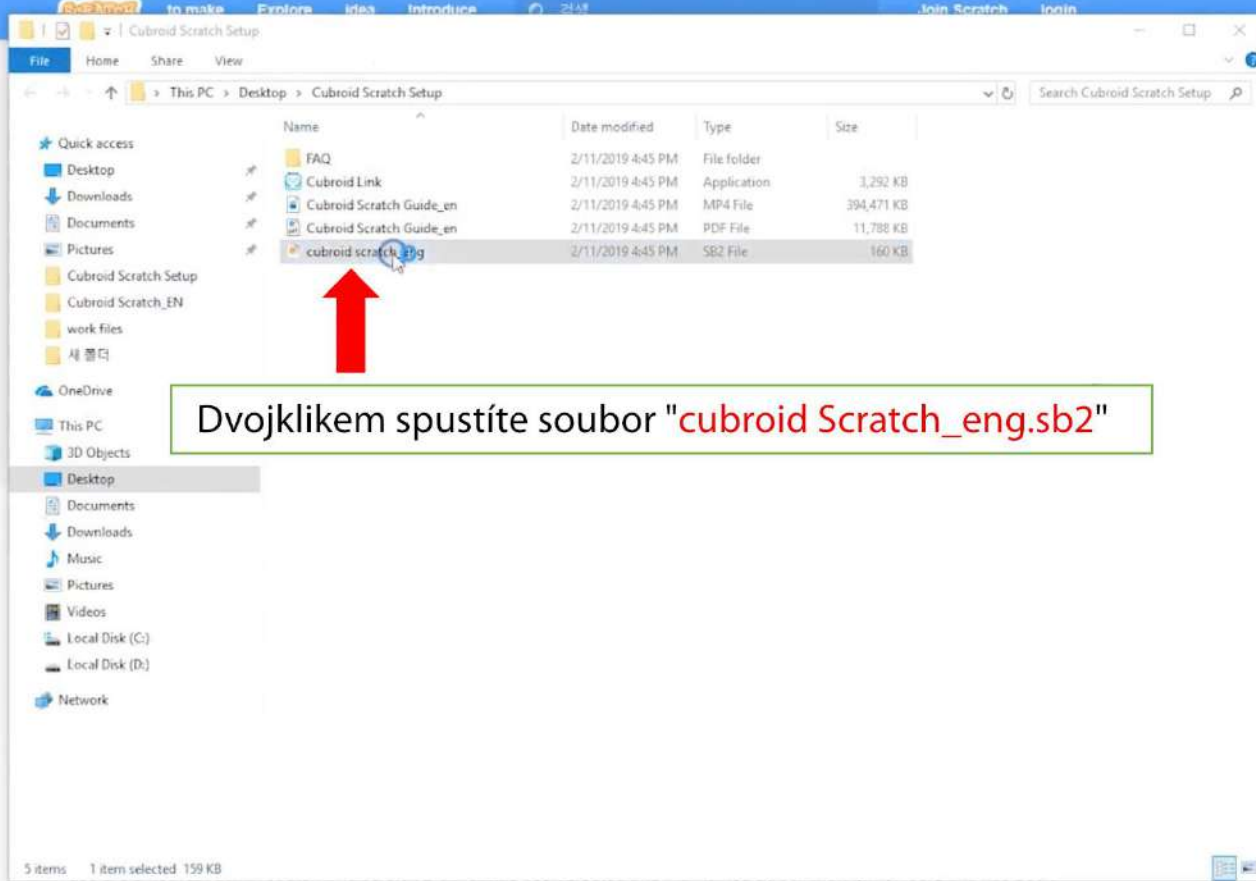
KLIK NA "START"

Known Issues

A young boy and girl are sitting at a table, focused on building a robot using LEGO bricks. The boy is in the background, smiling as he works on the robot's head. The girl is in the foreground, looking intently at the robot. The robot is constructed from white and grey bricks, with a small motor and sensors on top. The table is covered with various LEGO bricks in different colors (red, yellow, green, blue, white, grey) and some tools. A black tray with compartments for the bricks is visible in the bottom right corner. The background is a bright, out-of-focus indoor setting.

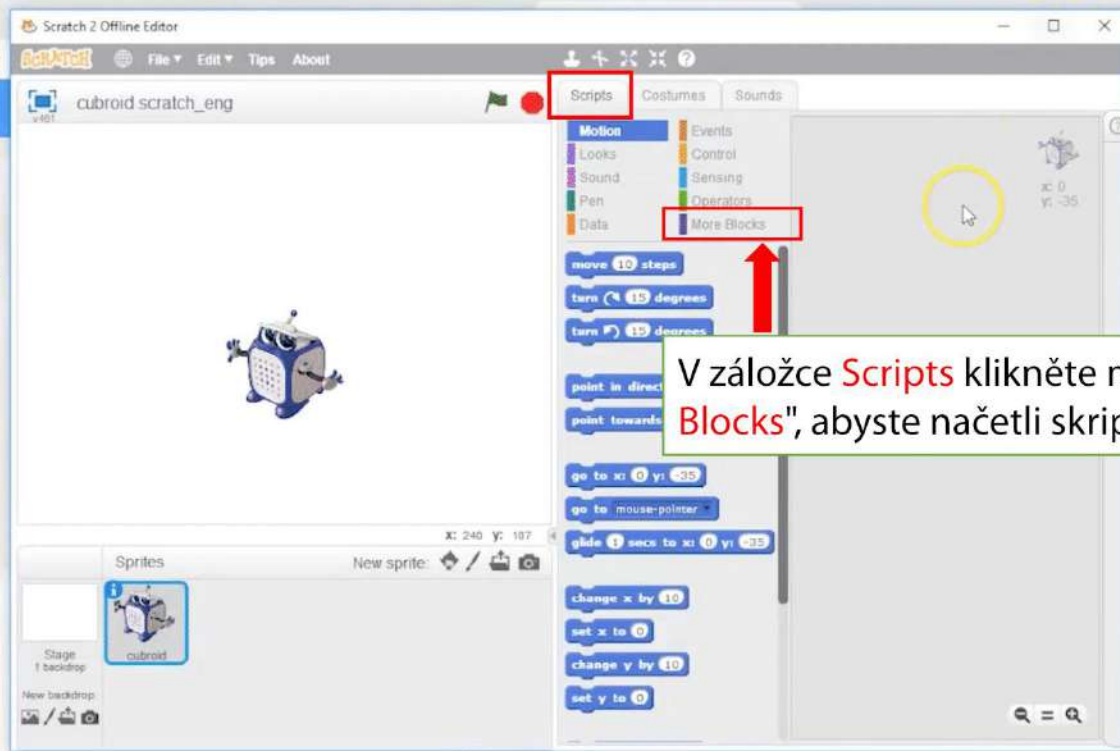
Dále

SPUSŤTE PROGRAM CUBROID SCRATCH



hosted [here](#) for public download.

Known Issues



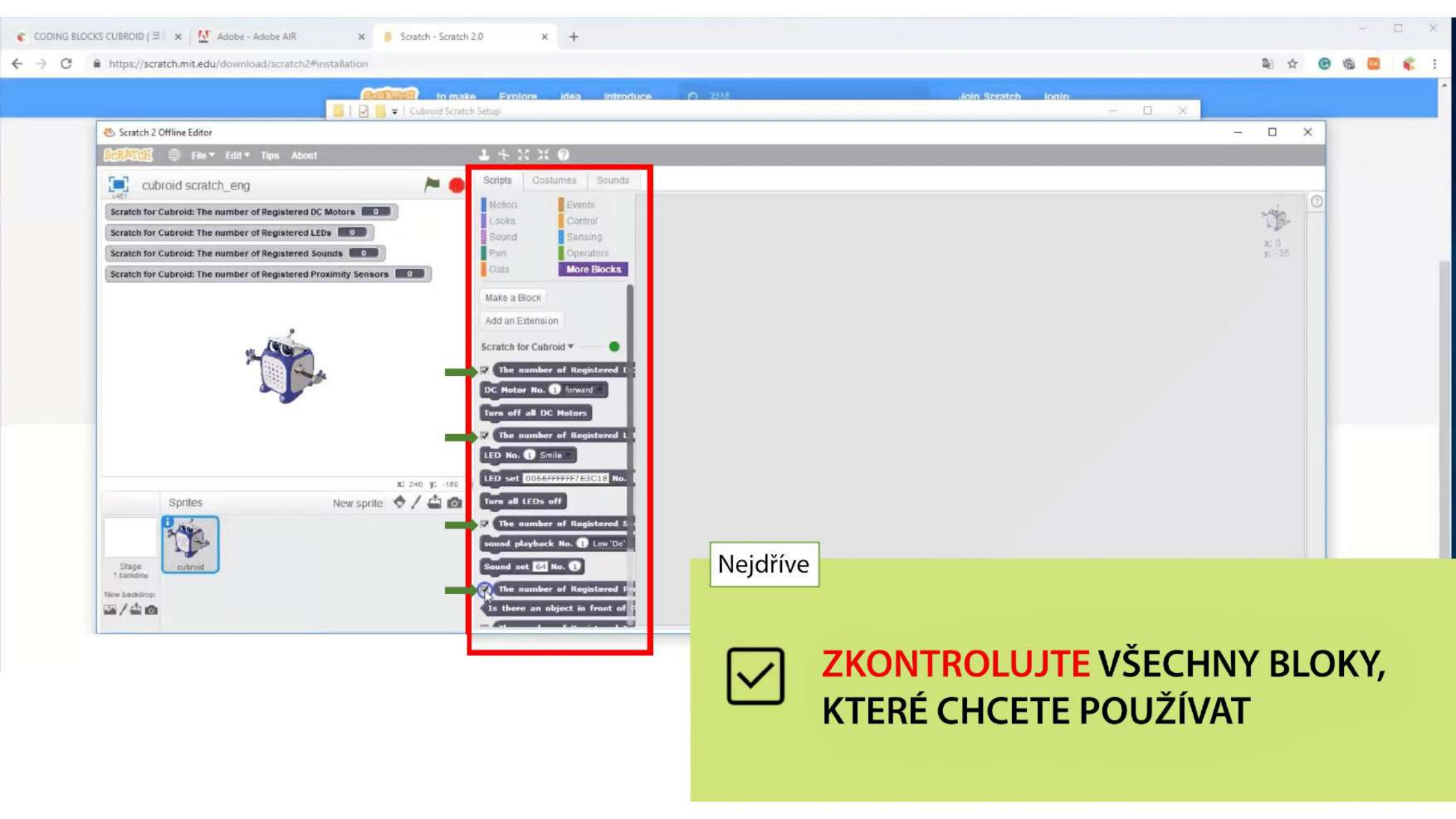
V záložce **Scripts** klikněte na položku "**More Blocks**", abyste načeti skripty Cubroid bloků



Type	Size
File folder	
Application	3,292 KB
MP4 File	394,471 KB
PDF File	11,788 KB

hosted [here](#) for public download.

Known Issues



Scratch 2 Offline Editor

File Edit Tips About

Scripts Costumes Sounds

Motion Looks Sound Pen Data Events Control Sensing Operators More Blocks

Make a Block

Add an Extension


Scratch for Cubroid

- The number of Registered DC Motor No. forward
- Turn off all DC Motors
- The number of Registered LED No. Smile
- LED set 0056FFFFFF7E3C18 No. Turn all LEDs off
- The number of Registered sound playback No. Low 'Do'
- Sound set 04 No. 1
- The number of Registered Is there an object in front of

Nejdříve

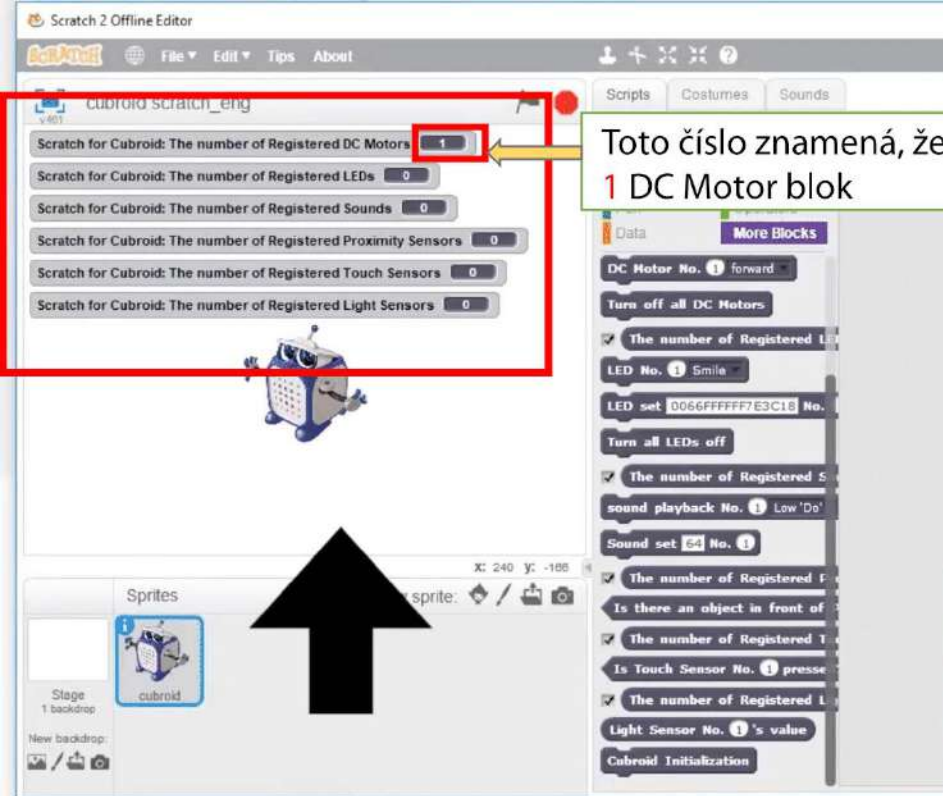


**ZKONTROLUJTE VŠECHNY BLOKY,
KTERÉ CHCETE POUŽÍVAT**



A pak

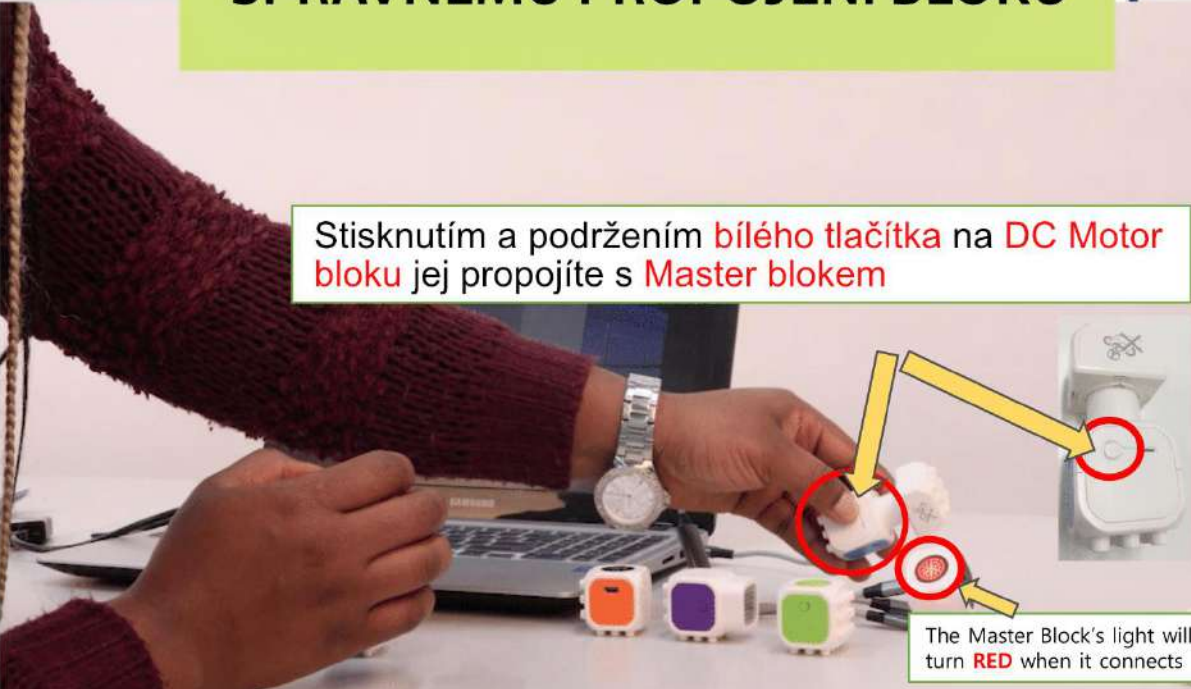
**SPÁRUJTE IoT BLOKY, KTERÉ
CHCETE POUŽÍVAT SE SCRATCH**



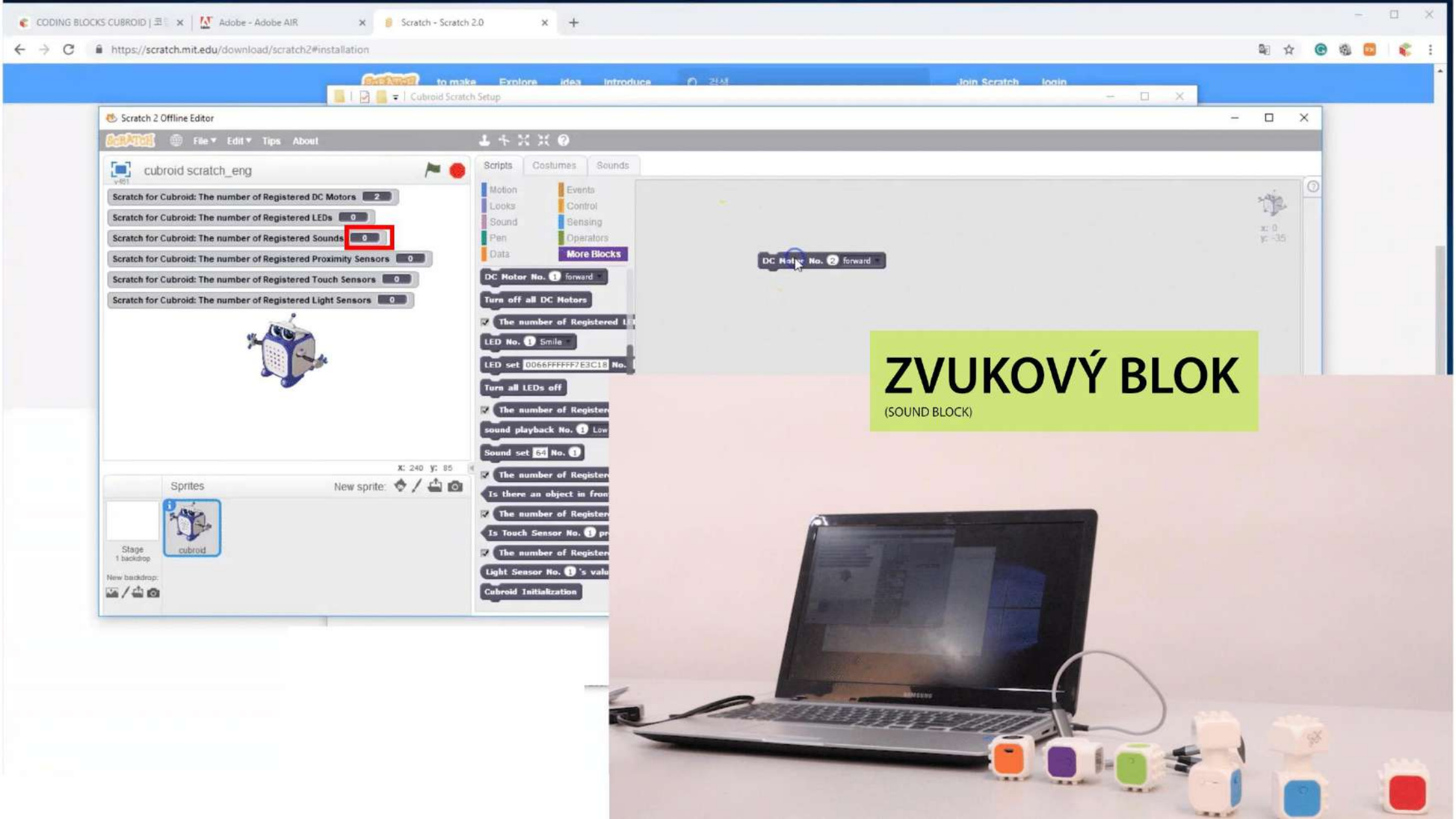
Toto číslo znamená, že je spárovaný 1 DC Motor blok

TIP
HODNOTY NA LEVÉM PANELE SE ZMĚNÍ, KDYŽ DOJDE KE SPRÁVNÉMU PROPOJENÍ BLOKŮ

Stisknutím a podržením bílého tlačítka na DC Motor bloku jej propojíte s Master blokem



The Master Block's light will turn RED when it connects



Scratch 2 Offline Editor

File Edit Tips About

Scratch for Cubroid: The number of Registered DC Motors 2

Scratch for Cubroid: The number of Registered LEDs 0

Scratch for Cubroid: The number of Registered Sounds 0

Scratch for Cubroid: The number of Registered Proximity Sensors 0

Scratch for Cubroid: The number of Registered Touch Sensors 0

Scratch for Cubroid: The number of Registered Light Sensors 0

Scripts Costumes Sounds

- Motion
- Looks
- Sound
- Pen
- Data
- Events
- Control
- Sensing
- Operators
- More Blocks

DC Motor No. 1 forward

Turn off all DC Motors

The number of Registered LEDs No. 1 Smile

LED set: 0066FFFFF7E3C18 No. 1

Turn all LEDs off

The number of Registered LEDs No. 1

sound playback No. 1 Low

Sound set: 00 No. 1

The number of Registered LEDs No. 1

Is there an object in front of sprite No. 1

The number of Registered LEDs No. 1

Is Touch Sensor No. 1 pressed No. 1

The number of Registered LEDs No. 1

Light Sensor No. 1's value No. 1

Cubroid Initialization

Stage 1 backdrop

New backdrop:

Sprites

New sprite:

cubroid

X: 240 Y: 85

Scripts

DC Motor No. 2 forward

The number of Registered LEDs No. 1

LED No. 1 Smile

LED set: 0066FFFFF7E3C18 No. 1

Turn all LEDs off

The number of Registered LEDs No. 1

sound playback No. 1 Low

Sound set: 00 No. 1

The number of Registered LEDs No. 1

Is there an object in front of sprite No. 1

The number of Registered LEDs No. 1

Is Touch Sensor No. 1 pressed No. 1

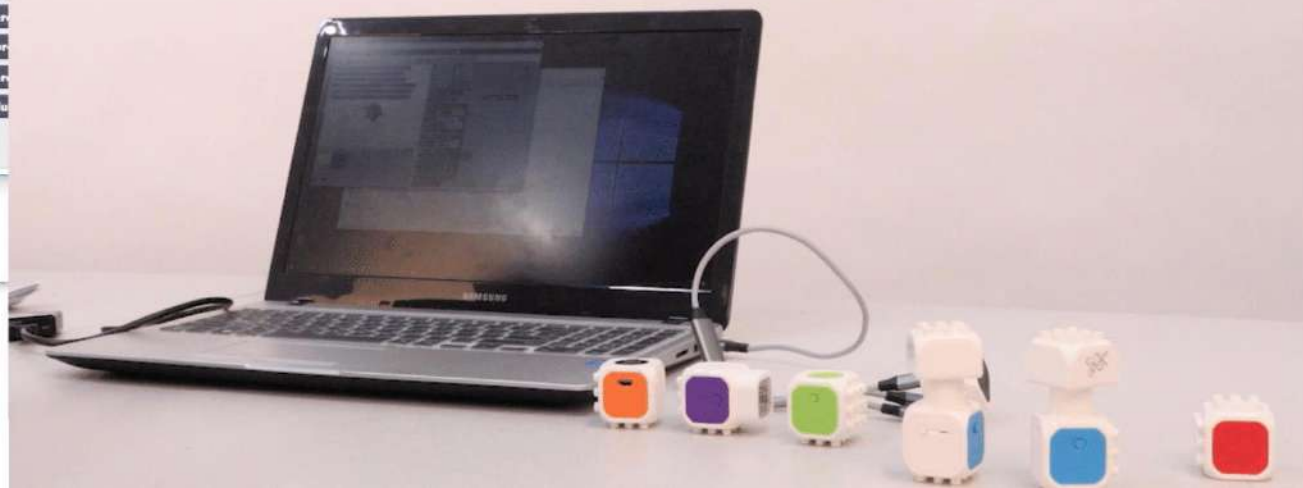
The number of Registered LEDs No. 1

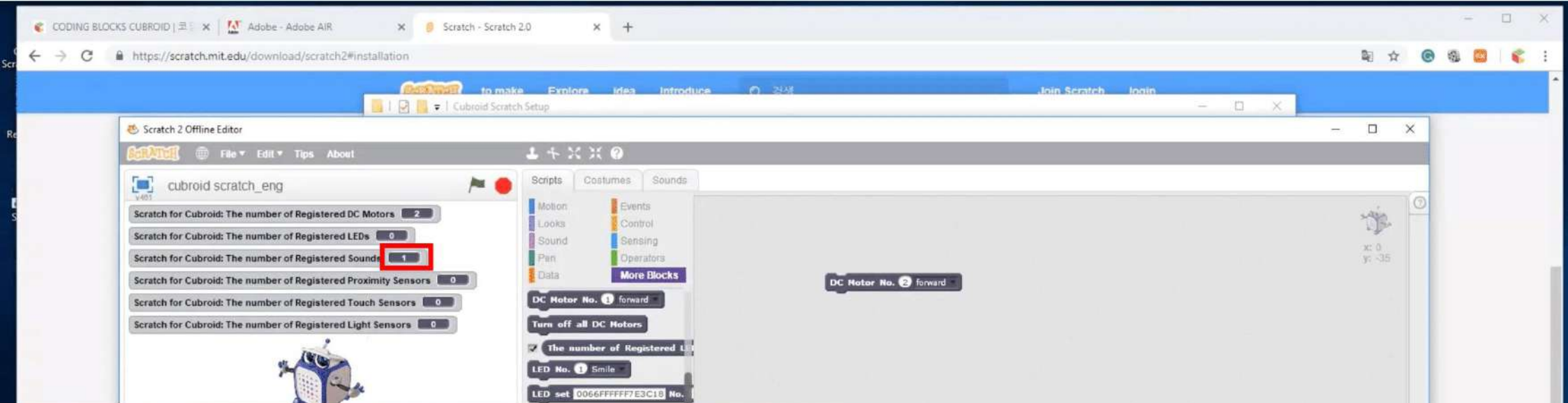
Light Sensor No. 1's value No. 1

Cubroid Initialization

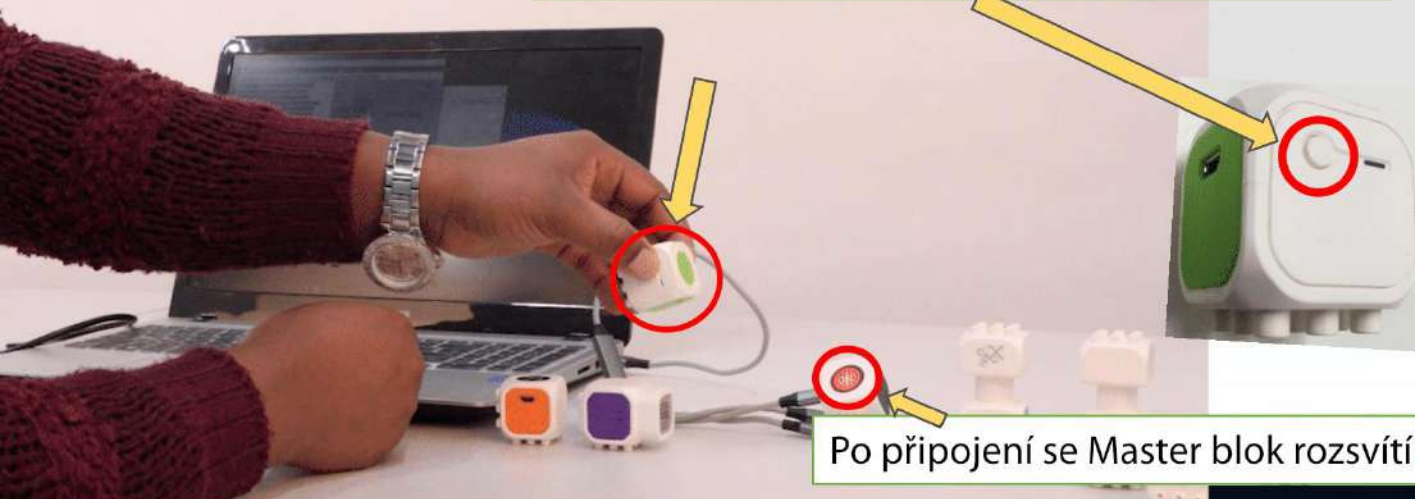
ZVUKOVÝ BLOK

(SOUND BLOCK)

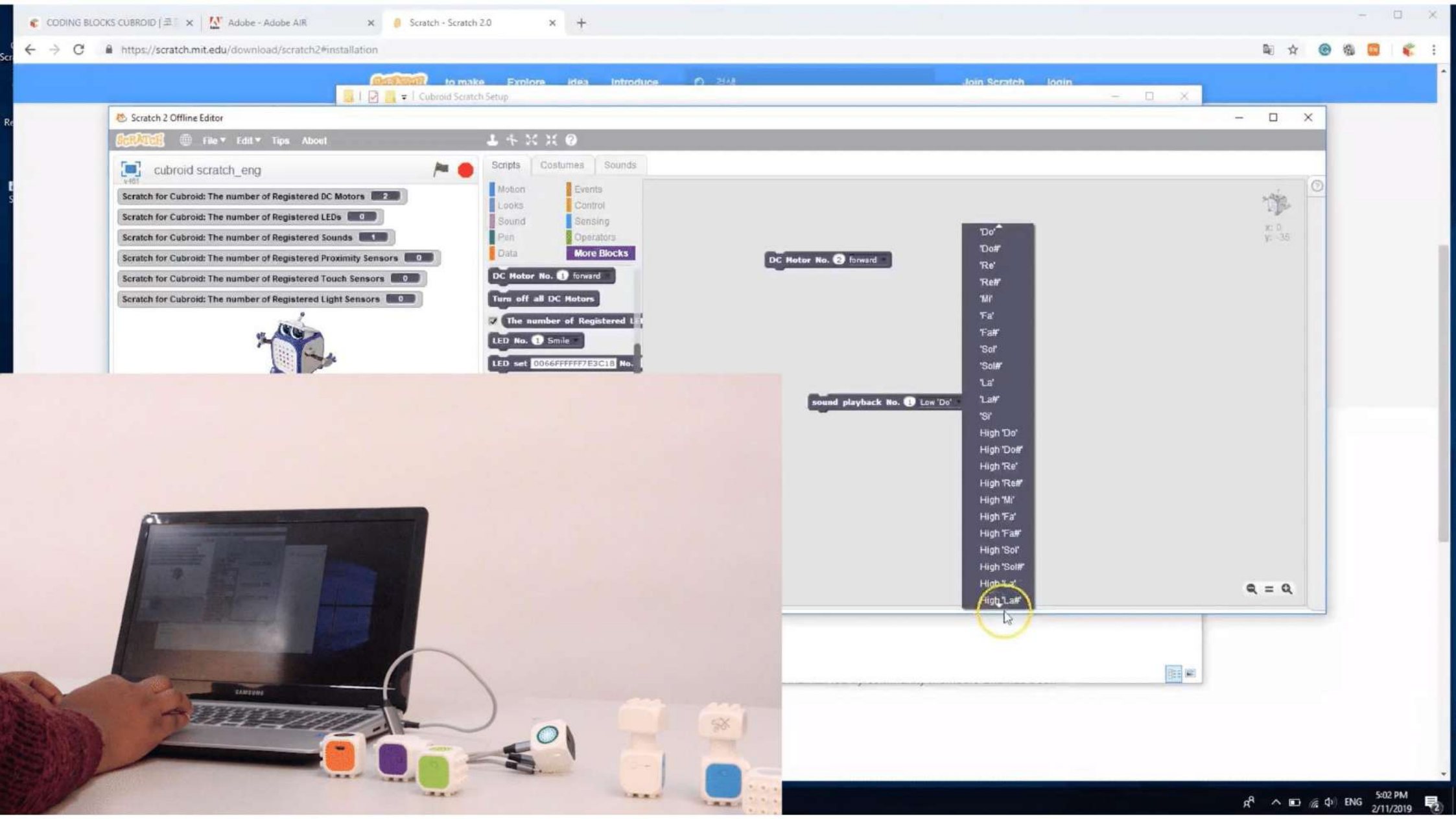




Stisknutím a podržením **bílého tlačítka** na **Zvukovém bloku** jej spárujete s **Master blokem**



Po připojení se Master blok rozsvítí **červeně**



Scratch 2 Offline Editor

Scratch | File | Edit | Tips | About

Project: cubroid scratch_eng

Scratch for Cubroid: The number of Registered DC Motors: 2
Scratch for Cubroid: The number of Registered LEDs: 0
Scratch for Cubroid: The number of Registered Sounds: 1
Scratch for Cubroid: The number of Registered Proximity Sensors: 0
Scratch for Cubroid: The number of Registered Touch Sensors: 0
Scratch for Cubroid: The number of Registered Light Sensors: 0

Scripts | Costumes | Sounds

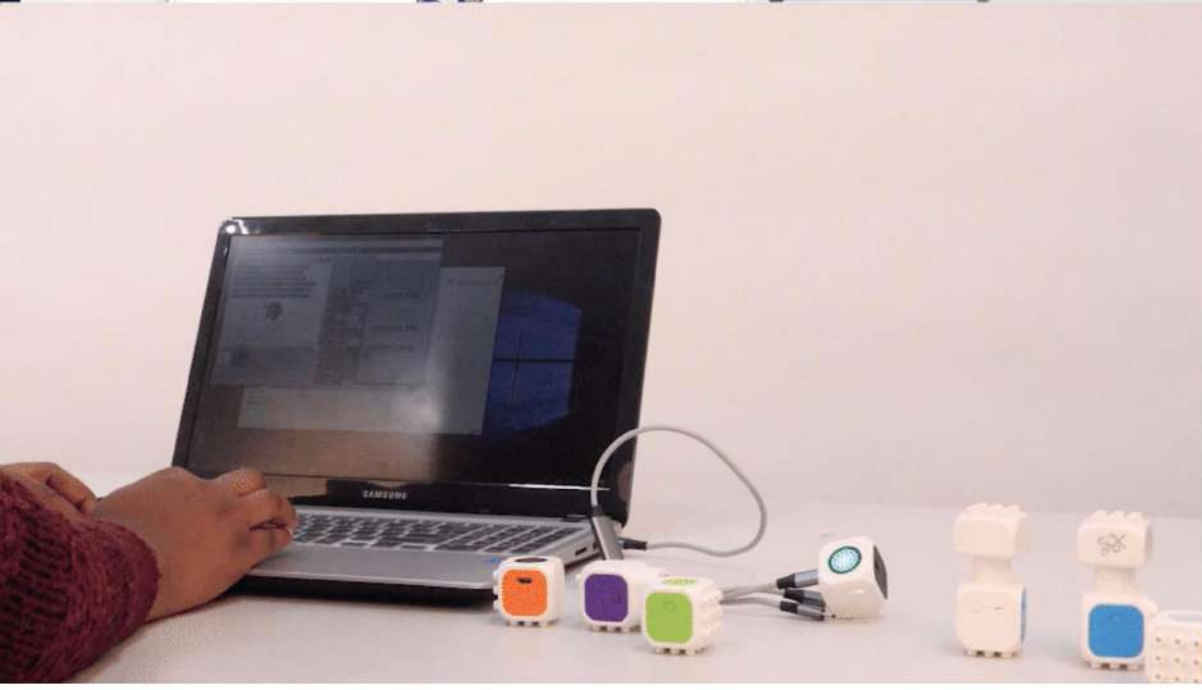
- Motion
- Looks
- Sound
- Pen
- Data
- Events
- Control
- Sensing
- Operators
- More Blocks

DC Motor No. 1 forward
Turn off all DC Motors
The number of Registered LEDs: 1
LED No. 1 Smile
LED set: 0066FFFFFF7E3C18 No.

DC Motor No. 2 forward

sound playback No. 1 Low 'Do'

Dropdown menu:
'Do'
'Do#'
'Re'
'Re#'
'Mi'
'Fa'
'Fa#'
'Sol'
'Sol#'
'La'
'La#'
'Si'
High 'Do'
High 'Do#'
High 'Re'
High 'Re#'
High 'Mi'
High 'Fa'
High 'Fa#'
High 'Sol'
High 'Sol#'
High 'La'
High 'La#'



Scratch 2 Offline Editor

Project Name: cubroid_scratch_eng

Scripts | Costumes | Sounds

- Scratch for Cubroid: The number of Registered DC Motors: 2
- Scratch for Cubroid: The number of Registered LEDs: 0
- Scratch for Cubroid: The number of Registered Sounds: 1
- Scratch for Cubroid: The number of Registered Proximity Sensors: 0
- Scratch for Cubroid: The number of Registered Touch Sensors: 0
- Scratch for Cubroid: The number of Registered Light Sensors: 0

Scripts:

- DC Motor No. 1 forward
- Turn off all DC Motors
- The number of Registered LEDs
- LED No. 1 Smile
- LED set 0066FFFFFF7E3C18 No.

Costumes:

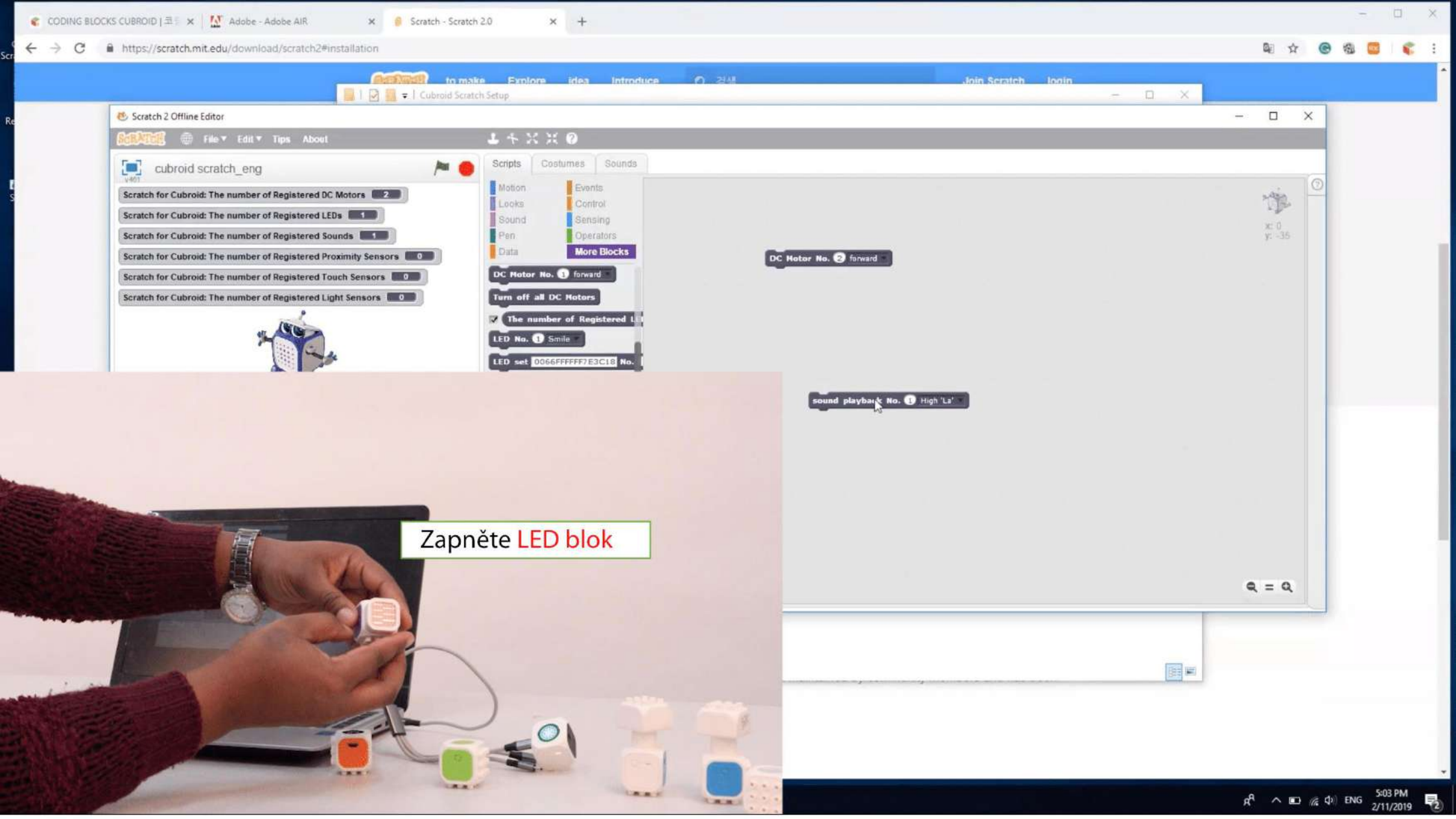
- Events
- Control
- Sensing
- Operators
- More Blocks

Stage:

- DC Motor No. 2 forward
- sound playback No. 1 Hi

LED BLOK





Scratch 2 Offline Editor

File Edit Tips About

cubroid scratch_eng

- Scratch for Cubroid: The number of Registered DC Motors 2
- Scratch for Cubroid: The number of Registered LEDs 1
- Scratch for Cubroid: The number of Registered Sounds 1
- Scratch for Cubroid: The number of Registered Proximity Sensors 0
- Scratch for Cubroid: The number of Registered Touch Sensors 0
- Scratch for Cubroid: The number of Registered Light Sensors 0



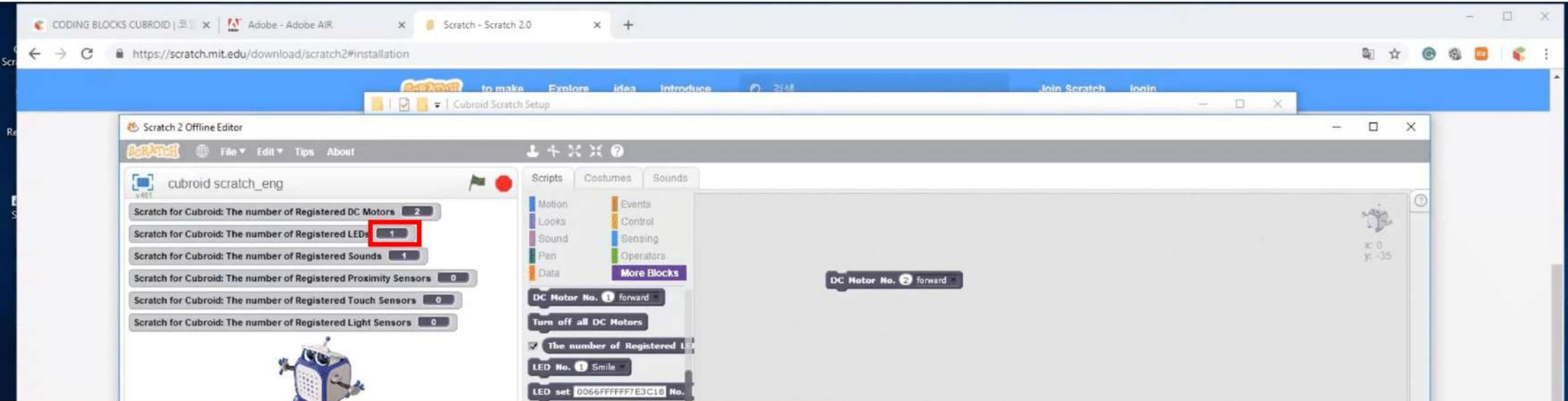
Scripts Costumes Sounds

- Motion
- Looks
- Sound
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- Data
- Events
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- Sensing
- Operators
- More Blocks
- DC Motor No. 1 forward
- Turn off all DC Motors
- The number of Registered LEDs
- LED No. 1 Smile
- LED set 0066FFFFFF7E3C18 No.

DC Motor No. 2 forward

sound playback No. 1 High La

Zapněte LED blok

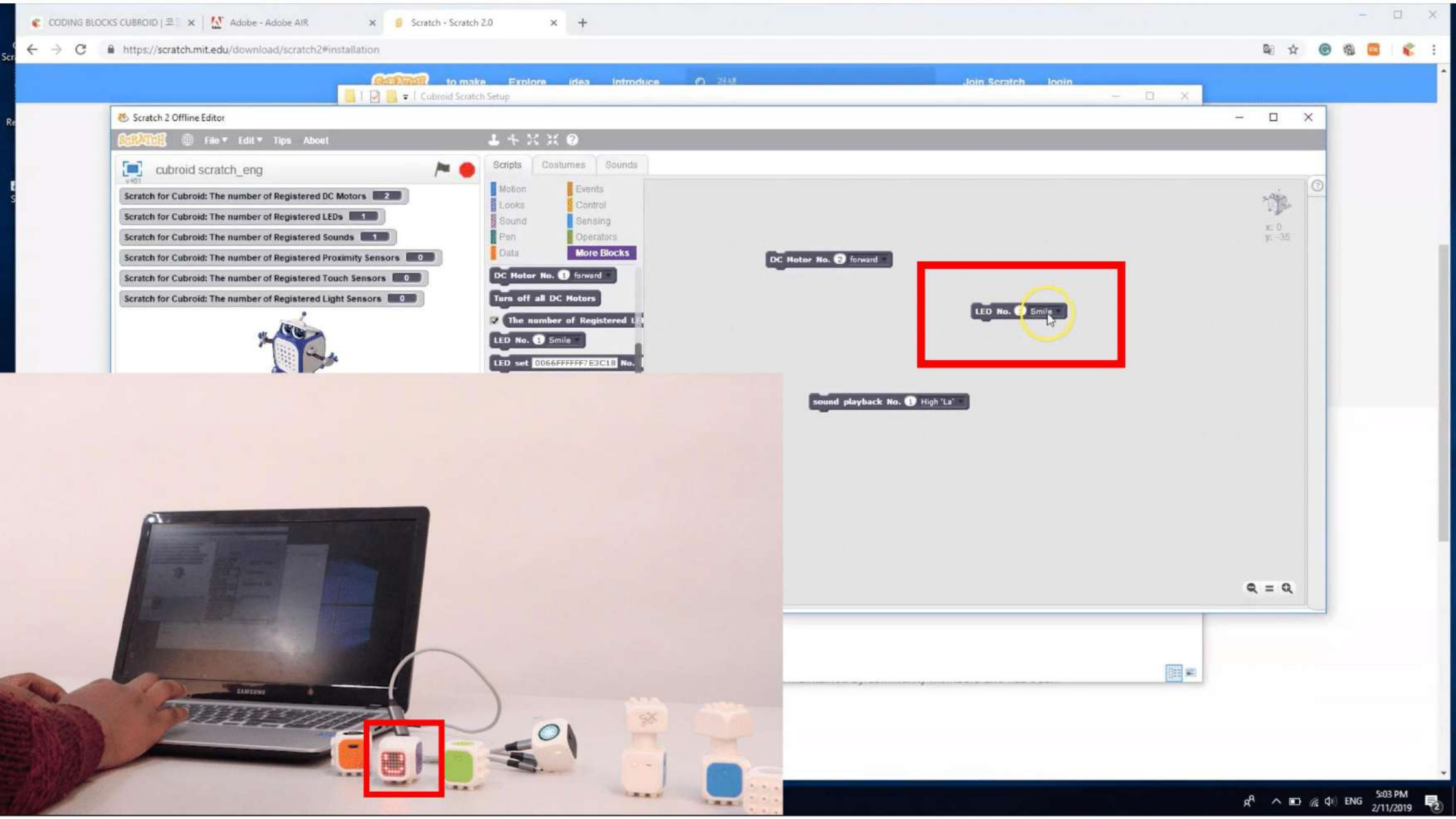


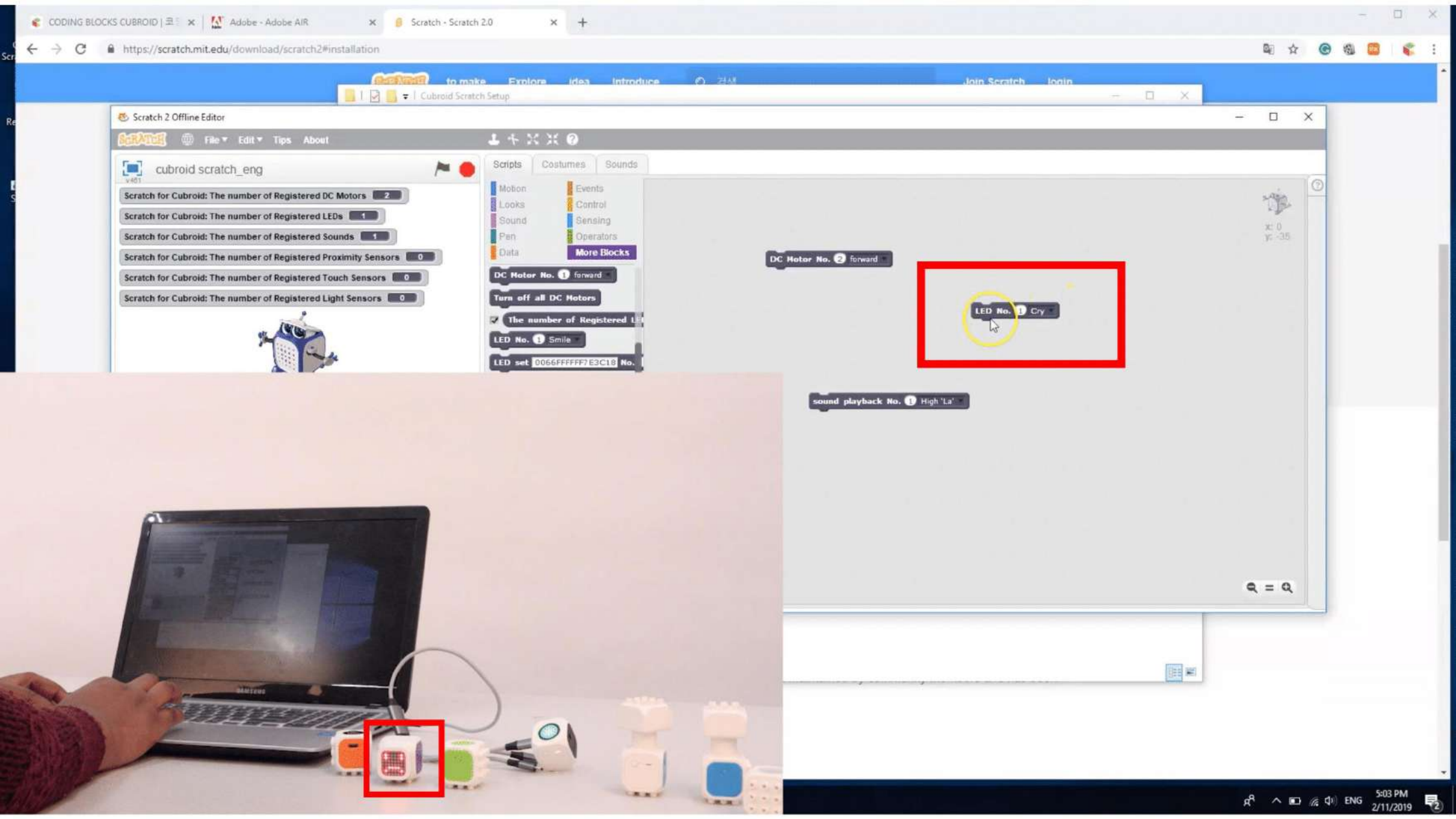
Stisknutím a podržením **bílého tlačítka** na **LED bloku** jej spárujete s **Master blokem**



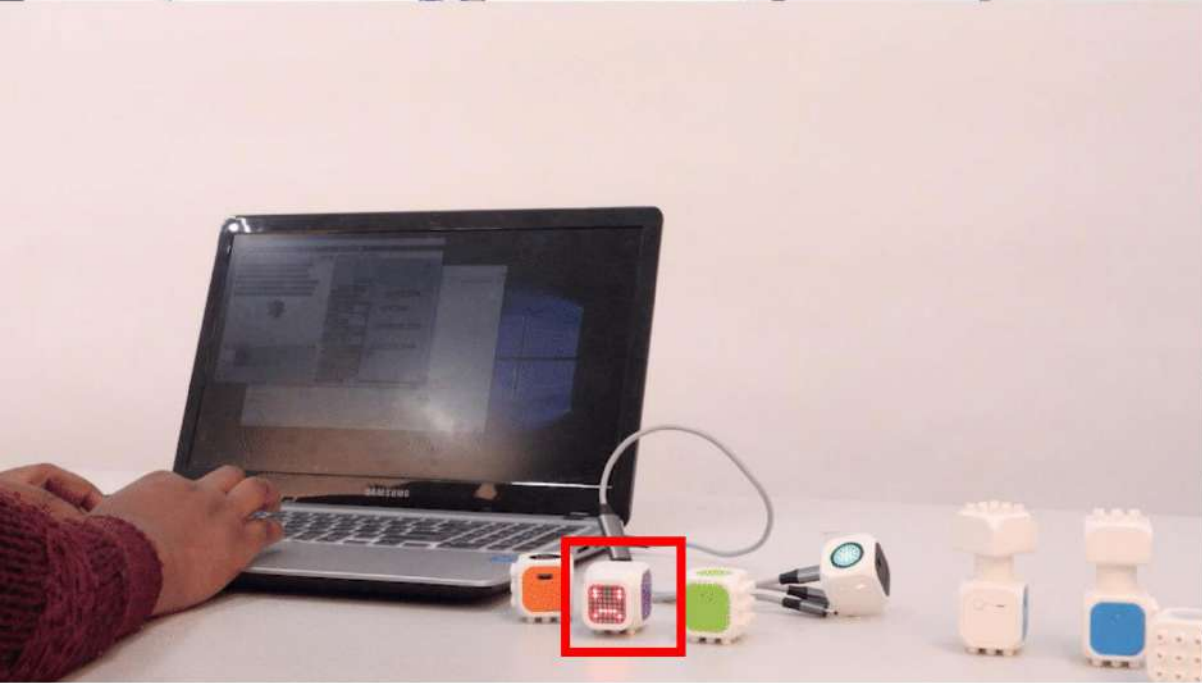
Po připojení se **Master blok** rozsvítí **červeně**







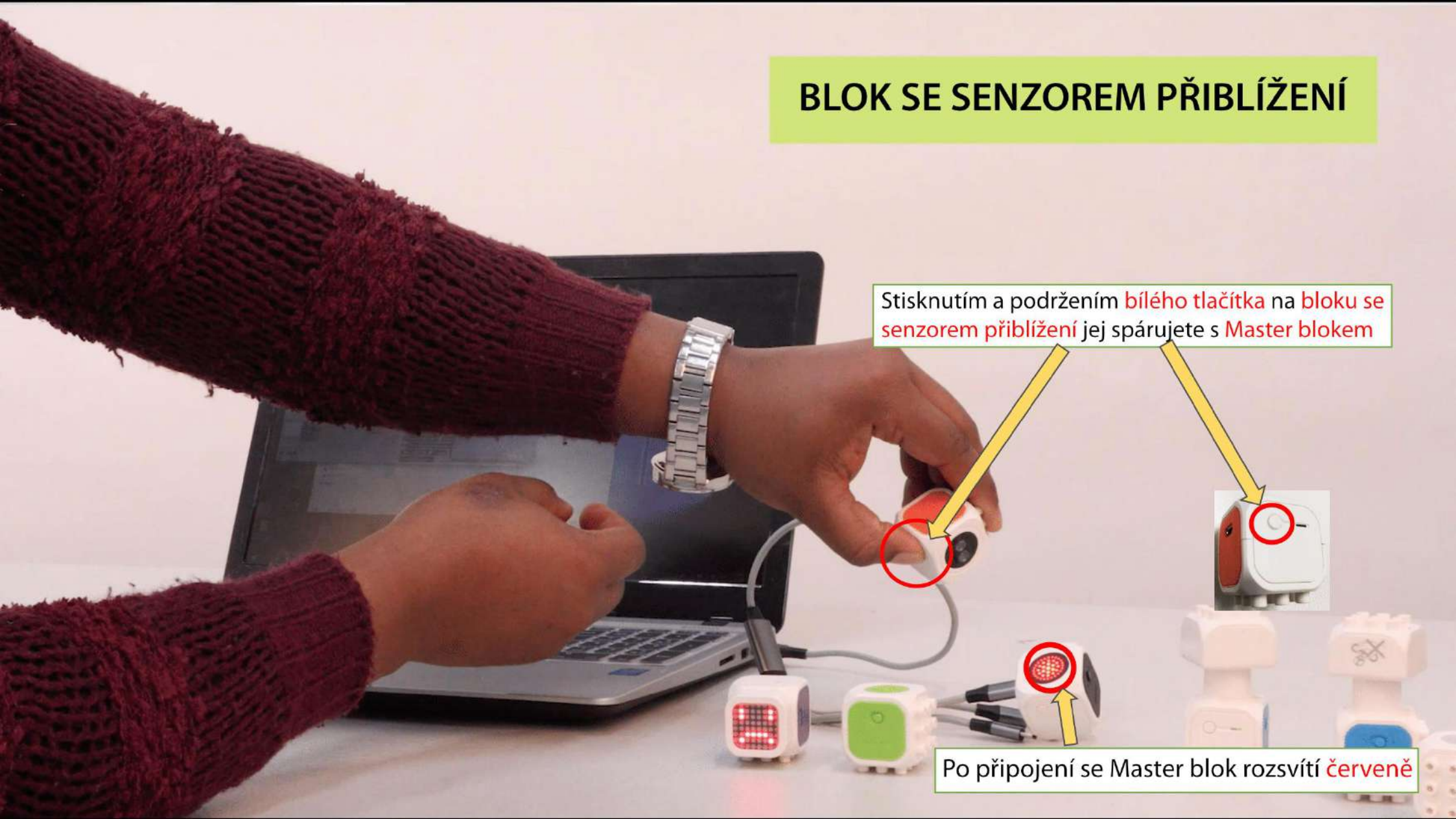
Scratch 2 Offline Editor interface showing a script with blocks for DC Motor No. 2 forward, LED No. 1 Cry, and sound playback No. 1 High "La".

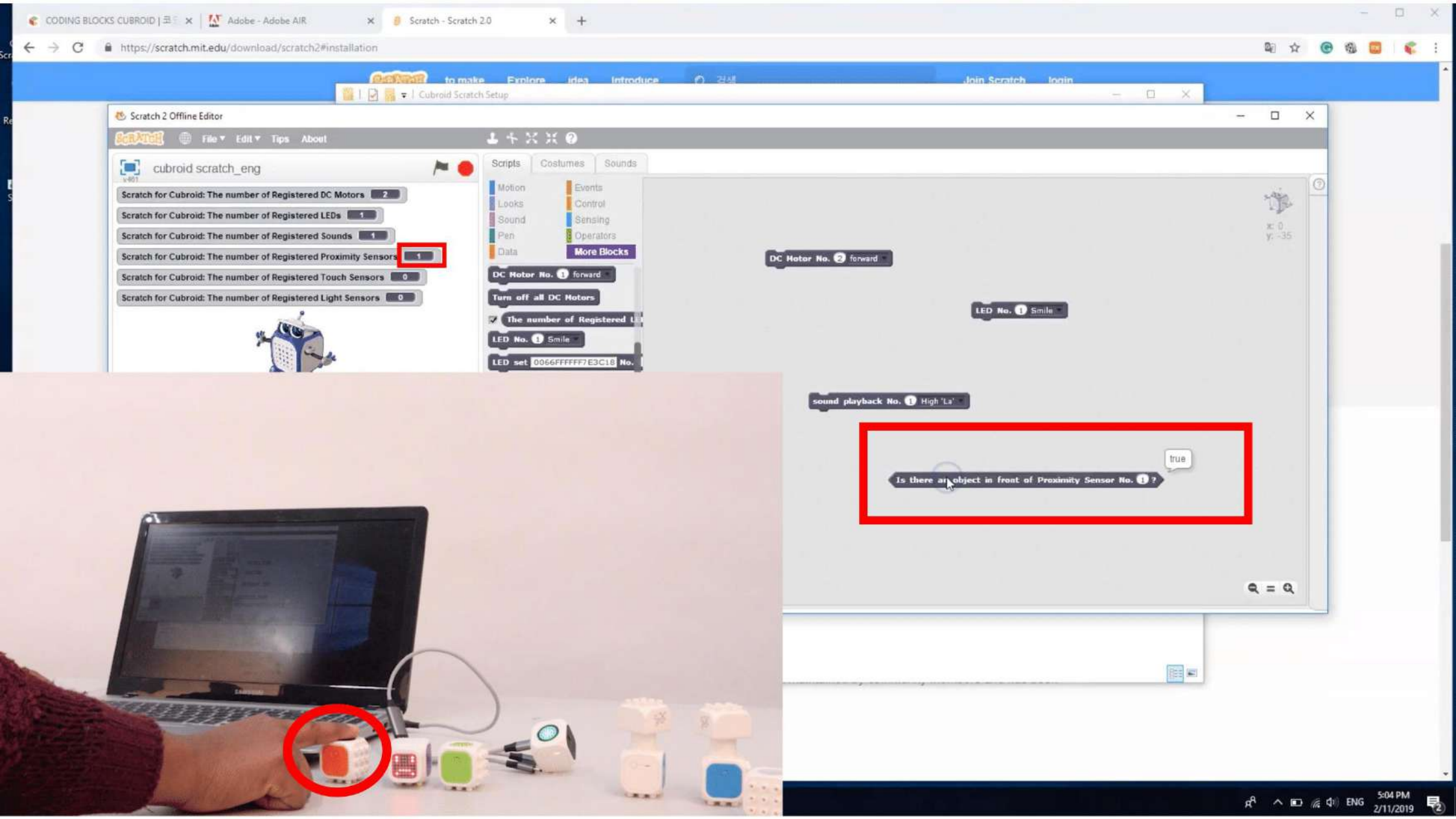


BLOK SE SENZOREM PŘIBLÍŽENÍ

Stisknutím a podržením **bílého tlačítka** na **bloku se senzorem přiblížení** jej spárujete s **Master blokem**

Po připojení se **Master blok** rozsvítí **červeně**







Vyzkoušejte si:

(1) Spárujte Blok s dotykovým a světelným senzorem

PS: Další bloky můžete spárovat stejným postupem, který je popsán výše



Budete-li mít s čímkoliv problém, napište nám na support@cubroidlabs.com.

Mnohem víc inspirace najdete na education.cubroid.com.





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SCRATCH



Veselé programování!

