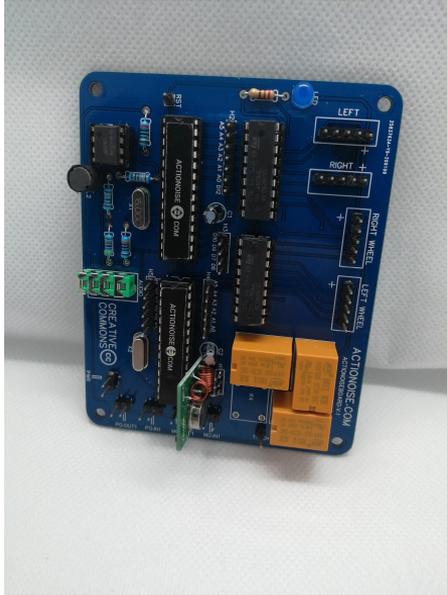

**Boost your video call with an
actionnoise board and add
motion with remote control**

A new experience of video call

What is the Actionnoiseboard?



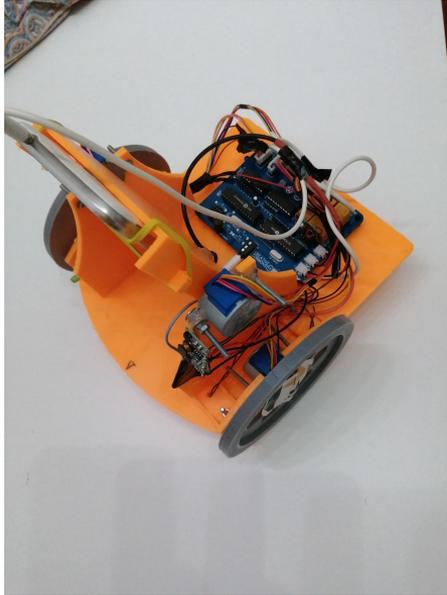
The Actionnoiseboard is an electronics kit with onboard 2 microcontrollers that decodify sequence of audio frequencies for set in motion motors,lights,relays.

The board works with supply of 5v

and can be used a simple power bank. Example video:

<https://www.youtube.com/watch?v=sswEZklu5Yc>

what is an Actionnoiseboard for?



The decoded audio frequencies are sent from the video caller's mobile phone to the mobile phone video called. This one sends the audio frequencies to the Actionnoiseboard for set in motion motors and take control of the direction from remote. In this photo for example the Actionnoiseboard is onboard a small bogie.Video:

<https://www.youtube.com/watch?v=tULRyUZVn7Y&t=3s>

Why videocalls?



It involves ordinary people to evolve technologically with the simple and inexpensive tools available today such as normal video call used to move remotely, because 5G is near and it is important to be prepared for what is to come.

Why do make video calls in motion?



With a video call in motion, you can take control from remote motors and small or big bogies, monitor from remote the state of health of patients in hospital or at home or to feed your pets everywhere from remote. Without cloud and limit of space....just an ordinary video call. Video:

<https://www.youtube.com/watch?v=NC4z8-o3tgo&t=44s>

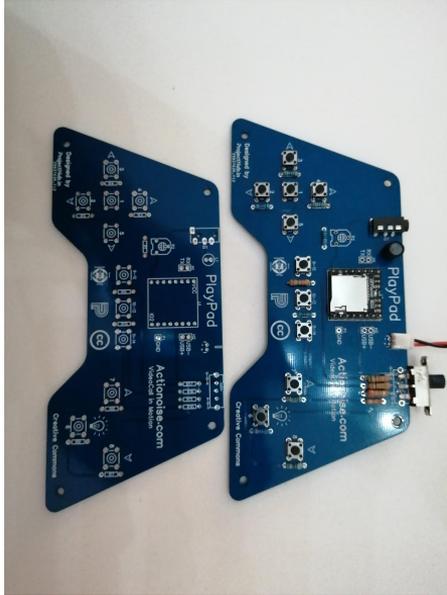
How does it work?

There are different methods to send audio signals through a video call:

- The Playpad.
- The Actionnoise app.
- The web controller.
- The audio-bridge module.



THE PLAYPAD



The Playpad is similar to a joystick, but is not the same thing because onboard there is a mini mp3 player with a sd card reader. Every audio track inside the sd card makes in motion the motors in different directions, the playpad also has two connectors: one audio jack connected to the video caller's mobile phone to send the audio signal to video called mobile phone, and one otg usb to supply the mp3 module from the usb port of video caller's mobile phone.

<https://www.youtube.com/watch?v=pXpPJxndaou&t=2s>



ACTIONNOISE APP

The app for send audio frequencies for video call in motion is available in this link:

<https://play.google.com/store/apps/details?id=it.android.actionnoise&hl=it>

and is the same to playpad with a digital player with play icon button placed in cartesian order, every icon equals different motion. The app can work with: split screen (the video call app and the Actionnoise app) or with bluetooth connected to notebook. Video example in this link:

<https://www.youtube.com/watch?v=TluqjxdxHt4>

THE WEB CONTROLLER

Activities Firefox Web Browser Erb 11:14 videocall in motion - Mozilla Firefox (Private Browsing)

videocall in motion x +
https://www.actionnoise.com

brake y

- a-Remote
- b-Remote
- c-Remote
- n-NordSud
- d-Remote
- e-headlight

1 2 3
4 5 6
7 8 9
0

ACTIONNOISE OFF

UP-s- DOWN-g-

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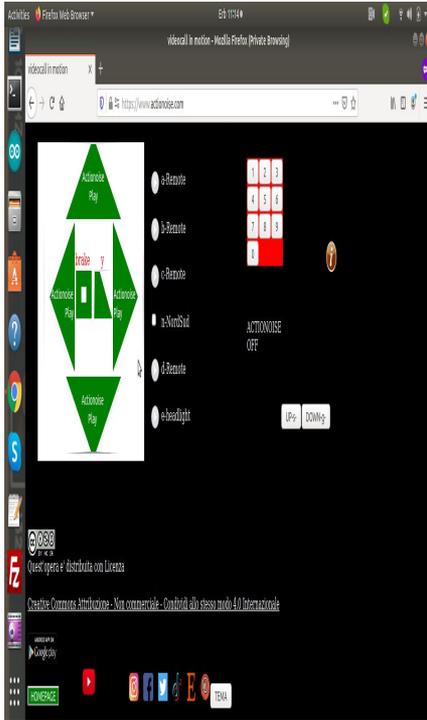
HOME PAGE

TEMA

THE WEB CONTROLLER

the web controller (<https://www.actionnoise.com>) works the same as the actionnoise app ,and it is used for video call application in computer desktop and also with bluetooth connection in video call app of mobile phone. Here the video example:

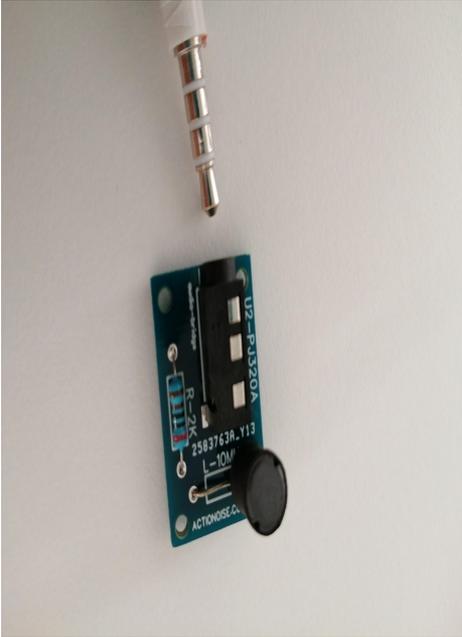
https://www.youtube.com/watch?v=YscIH_aNdx8&t=14s



THE AUDIO-BRIDGE

The audio-bridge module is a small board with a female jack connector of 3.5 mm 4 poles and it is used to make video call in motion with the phone display splitted, this special filter resends audio signal from speaker to microphone of video caller's mobile or notebook to allow sending frequencies to video called mobile phone. It can be possible to use also connecting two different mobile phones and use one to send audio signal with app to video caller's mobile phone.

<https://www.youtube.com/watch?v=tULRyUZVn7Y&t=3s>



What is the Remote Module?

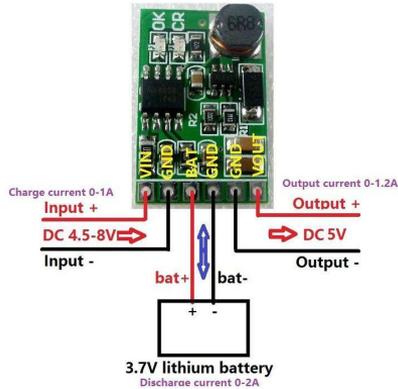


The remote-module is an electronics kit with 4 relays channel and an atmega 328 programmed with arduino board. The code is available on the website <http://www.actionnoise.com> at the bottom of the home page in gerber+Datasheet button. It works with a power supply of 12-9v and has onboard a receiver 433mhz , which receives radio signal from the Actionnoiseboard to control the relays and appliances connected to them. Example video:

<https://www.youtube.com/watch?v=AcWyi4wlHh4>

Charge ups module for base

Application 1: charge and discharge



It is important to add in every Actionnoiseboard the charge module. The charge board allows to leave in standby charged the bogie ready for the next videocall for remote exploration. Below the link of an example about a charge base prototype with 4 contacts: 2 contacts for 5v supply charge mobile, 2 contacts to charge module and battery of 3.7v onboard or to charge an ordinary powerbank, the mirror is just for understand from remote if the bogie is in correct charging position.

https://www.youtube.com/watch?v=TK_9S1Wc7mU
