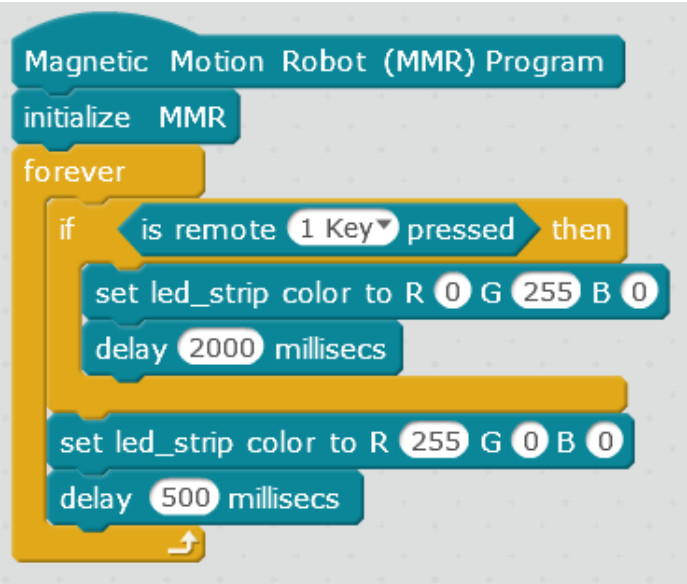
Magnetic Motion Robot (MMR):
How to use the IR remote control




```
void loop(){
    if(getPressedIRremote()==16724175){
        for(int index=0;index<NUMLEDS;index++)
        {
            Strip_1.setPixelColor(index, Strip_1.Color(0, 255, 0));
        }
        Strip_1.show();
        delay(2000);
    }
    for(int index=0;index<NUMLEDS;index++)
    {
        Strip_1.setPixelColor(index, Strip_1.Color(255, 0, 0));
    }
    Strip_1.show();
    delay(500);
    _loop();
}

void _delay(float seconds){
    long endTime = millis() + seconds * 1000;
    while(millis() < endTime)_loop();
}

void _loop(){
    handelIRremote();
}
```

Teachers

The code “DemoIRRemote.sb2” is an example how to use it.
The code is very simple as you can see in the block section in the image:

- Initialize the Magnetic Motion Robot (MMR).
- The block "forever" (loop in the Arduino code).
- The code switch on the LED strip (red).
- The code switch on the LED strip (green) if the 1 key is pressed on the remote control during 2 seconds.
- Observe that if we change the color to the LED strip the block “show led_strip” is not necessary.
- Observe too, the 500 milliseconds delay at the end of the block forever.

Kids

ACTIVITY 1
Switch on **red** the strip LED, if the 2 key is pressed change the color to **blue** during two seconds and if the 3 key is pressed change the color to **green** during four seconds

ACTIVITY 2
Switch on **red** only the LEDs #1 y #2, if the 2 key is pressed change only the LEDs #1 y #2 color to **blue** during two seconds and if the 3 key is pressed change only the LEDs #1 y #2 color to **green** during four seconds

ACTIVITY 2
Switch on **red** only the LEDs from #1 to #3, if the 2 key is pressed switch on **blue** only the LEDs from #4 to #6 and if the 3 key is pressed switch on **green** only the LEDs #7 y #9