

```
`Pat's Rock & Roll Marble Machine-Infrared Servo-2  
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```

```
`This demonstration uses the 14M2 chip & Remote M. The servo goes ↻  
from the lower limit of the servo  
`to the upper limit of the servo.
```

```
`This demo uses pin 1, hence servo 1.
```

```
symbol delay=1500
```

```
symbol times=6
```

```
main:
```

```
infrain2
```

```
if infra=116 then Backwards  
if infra=117 then Forwards  
if infra=20 then AutomaticOne  
if infra=21 then AutomaticSix  
if infra=76 then RedLights  
if infra=77 then GreenLights  
if infra=78 then WhiteLights  
if infra=79 then BlueLights  
if infra=54 then AllLightsOn  
if infra=24 then AllLightsOff  
if infra=60 then LightsRun
```

```
RedLights:
```

```
high 3
```

```
goto main
```

```
GreenLights:
```

```
high 4
```

```
goto main
```

```
WhiteLights:
```

```
high 5
```

```
goto main
```

```
BlueLights:
```

```
high 0
```

```
goto main
```

```
AllLightsOn:
```

```
high 0 high 3 high 4 high 5
```

```
goto main
```

```
AllLightsOff:
```

```
low 0 low 3 low 4 low 5
```

```
goto main
```

```
LightsRun:
```

```
high 3
```

```
pause 100
```

```
low 3
```

```
high 4
```

```
pause 100
```

```
low 4
```

```
high 4
```

```
pause 100
```

```
low 5
```

```
goto main
```

```
Forwards:
high 0 high 3 high 4 high 5
servo 1,50           ` move servo to one end
goto main
Backwards:
servo 1,210         ` move servo to other end
goto main           ` loop back to start

AutomaticOne:
let b1=0
do
servo 1,50           ` move servo to one end
pause delay
servo 1,170         ` move servo to other end
pause delay
inc b1
loop while b1<times
high 3
pause 1300
low 3
high 4
pause 1800
low 4
high 4
pause 2200
low 5
wait 4
goto AutomaticOne   ` loop back to start
goto main
AutomaticSix:
high 0 high 3 high 4 high 5
servo 1,50           ` move servo to one end
pause delay
servo 1,210         ` move servo to other end
pause delay

wait 2
goto AutomaticSix   ` loop back to start
```