

`Pat's Ring Around 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=700

main:

infrain2

if infra=116 then Backwards

if infra=117 then Forwards

if infra=20 then Automatic

if infra=21 then AutomaticTwenty

if infra=118 then AllLightsOn

if infra=23 then AllLightsOff

if infra=101 then LightsRun

AllLightsOn:

high 2 high 3 high 4 high 5 high c.0 high c.1

goto main

AllLightsOff:

low 2 low 3 low 4 low 5 low c.0 low c.1

goto main

LightsRun:

high 2

pause 100

low 2

high 3

pause 100

low 3

high 4

pause 100

low 4

high 5

pause 100

low 5

high c.0

pause 100

low c.0

high c.1

pause 100

low c.1

goto main

Forwards:

high 2 high 3 high 4 high 5 high c.0 high c.1

servo 1,100 ` move servo to one end

goto main

Backwards:

```
servo 1,230      ` move servo to other end
goto main       ` loop back to start
```

Automatic:

```
high 2 high 3 high 4 high 5 high c.0 high c.1
servo 1,100      ` move servo to one end
pause delay
servo 1,230      ` move servo to other end
pause delay
goto Automatic
```

AutomaticTwenty:

```
high 2 high 3 high 4 high 5 high c.0 high c.1
let b1=0
do
servo 1,100      ` move servo to one end
pause delay
servo 1,230      ` move servo to other end
pause delay
inc b1
loop while b1<20
goto main
```