

rs\pm1525\Documents\Picaxe Programs\14M\14M2 - RGB + 7 Colours LED- Infrared

`14M2 - RGB- Infrared Remote M + 7ColoursLED

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`Red = pin 1, Green = pin 2, Blue = pin 3, 7ColoursLED= pin 5

symbol delay= 400

symbol delay1= 100

symbol delayb4= 40

main:

```
    infrain2          'wait for new signal from hand ↗
controller
  if infra=0 then Red  'Button 1,turns on Red.
  if infra=1 then Green 'Button 2,turns on Green.
  if infra=2 then Blue  'Button 3,turns on Blue.
  if infra=3 then GB    'Button 4,turns on Cyan.
  if infra=4 then RG    'Button 5,turns on Yellow.
  if infra=5 then RB    'Button 6,turns on Magenta.
  if infra=6 then RGB   'Button 7,turns on White.
  if infra=8 then LED7  'Button 9,turns on 7 Colours LED.
  if infra=101 then AllOff 'Button Centre,turns AllOff.
  if infra=7 then AutoChange 'Button 8,turns on AutoChange.
```

Red:

```
high 1          `Red (R)on
wait 2          `wait 2 seconds
low 1           `Red (R)off
```

goto main

Green:

```
high 2          `Green (G)on
wait 2          `wait 2 seconds
low 2           `Green (G) off
```

goto main

Blue:

```
high 3          `Blue (B)on
wait 2          `wait 2 seconds
low 3           `Blue (B)off
```

goto main

GB:

```
high 2 high 3   `Cyan (GB)on
wait 2          `wait 2 seconds
low 2 low 3     `Cyan (GB)off
```

goto main

RG:

```
high 1 high 2   `Yellow (RG)on
wait 2          `wait 2 seconds
low 1 low 2     `Yellow (RG)off
```

goto main

RB:

```
high 1 high 3   `Purple (Magenta) (RB) on
wait 2          `wait 2 seconds
low 1 low 3     `Purple (Magenta) (RB) off
```

goto main

RGB:

```
high 1 high 2 high 3    `White (RGB)on
wait 2                  `wait 2 seconds
low 1 low 2 low 3      `White (RGB)off
goto main                `loops to main
AllOff:
low 1 low 2 low 3 low 5 `AllOff
goto main                `loops to main
LED7:
high 5                  `7ColourswLED On
wait 30                 `wait 2 seconds
low 5                   `7ColourswLED Off
goto main                `loops to main

AutoChange:
high 1                  `Red (R)on
wait 2                  `wait 2 seconds
low 1                   `Red (R)off
high 2                  `Green (G)on
wait 2                  `wait 2 seconds
low 2                   `Green (G) off
high 3                  `Blue (B)on
wait 2                  `wait 2 seconds
low 3                   `Blue (B)off
high 2 high 3          `Cyan (GB)on
wait 2                  `wait 2 seconds
low 2 low 3            `Cyan (GB)off
high 1 high 2          `Yellow (RG)on
wait 2                  `wait 2 seconds
low 1 low 2            `Yellow (RG)off
high 1 high 3          `Purple (Magenta)(RB) on
wait 2                  `wait 2 seconds
low 1 low 3            `Purple (Magenta)(RB) off
high 1 high 2 high 3  `White (RGB)on
wait 2                  `wait 2 seconds
low 1 low 2 low 3     `White (RGB)off
goto main                `loops to main
```