

Unit RF433T

Example

Send radio frequency signals

```
Button B wasPressed
  int_2_list

Setup
  Loop
    set rand to random integer from 100000 to 999999
    Wait 25 ms

    ? to int_2_list
      set list_dat to create list with item 0 repeated 3 times
      in list list_dat set # 1 as rand >> 16
      in list list_dat set # 2 as rand >> 8 & 0xff
      in list list_dat set # 3 as rand & 0xff
      RF433T_0 Transmit raw data list list_dat repeat 2
      Label label1 show rand
```

```

from m5stack import *
from m5ui import *
from uiflow import *
import time
import unit

setScreenColor(0xff0000)
RF433T_0 = unit.get(unit.RF433TX, unit.PORTB)

list_dat = None
rand = None

title0 = M5Title(title="RF433-TX", x=130, fgcolor=0xff0000, bgcolor=0xffffffff)
label1 = M5TextBox(80, 99, "000000", lcd.FONT_DejaVu40, 0xffffffff, rotate=0)
rectangle0 = M5Rect(0, 149, 320, 30, 0xFFFFFFFF, 0xFFFFFFFF)
rectangle1 = M5Rect(0, 58, 320, 30, 0xFFFFFFFF, 0xFFFFFFFF)
label3 = M5TextBox(72, 62, "Transmit data", lcd.FONT_DejaVu24, 0xff0000, rotate=0)
rectangle2 = M5Rect(110, 210, 100, 30, 0xFFFFFFFF, 0xFFFFFFFF)
label0 = M5TextBox(124, 214, "SEND", lcd.FONT_DejaVu24, 0x000000, rotate=0)

import random

# Describe this function...
def int_2_list():
    global list_dat, rand
    list_dat = [0] * 3
    list_dat[0] = rand >> 16
    list_dat[1] = (rand >> 8) & 0xff
    list_dat[2] = rand & 0xff
    RF433T_0.transmit(list_dat, 2)
    label1.setText(str(rand))

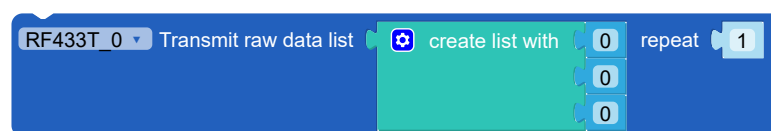
def buttonB_wasPressed():
    global list_dat, rand
    int_2_list()
    pass

btnB.wasPressed(buttonB_wasPressed)

while True:
    rand = random.randint(100000, 999999)
    wait_ms(25)
    wait_ms(2)

```

API



```
RF433T_0.transmit([0, 0, 0], 1)
```

- Transmit the list of original data