How to program in BASIC, your 14M2-Infrared 28 Tunes

using your Casa - Infrared Remote Control – D

Below is a sample BASIC program for Pat's Infrared Picaxe 14M2-28 Tunes, to get you started in programming, using your own Infrared Remote. It assumes that you have found the Infra code commands for each button on your remote, using Pat's OLED Infra= or the Infra= Debug Program, in the green box below.

Fill in the missing numbers below.

Remember if Button 7 is pushed, then the command is infra=6

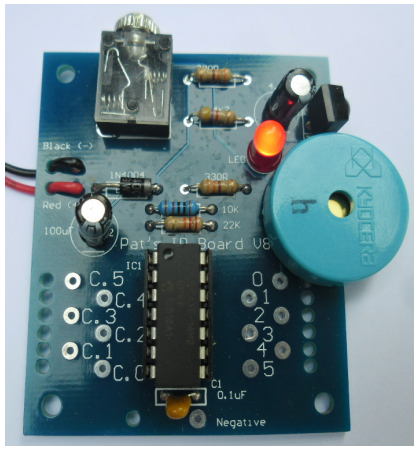
if Button ▶| TP is pushed, then the command is infra=13

ie the infra=number is always one less than the Button number .

Note– Labels can't have gaps, all one word.

```
Main:
        infrain2                                'waits new signal hand controller
        if infra=0 then AdamsFamily1            'Button 1
        if infra=1 then AustralianNationalAnthem2 'Button 2
        if infra=____  then Funkytown3          'Button 3
        if infra=3 then GetSmartTheme4          'Button 4
        if infra=4 then GreenDayMinority5       'Button _____
        if infra=5 then HappyDaysTheme6         'Button 6
        if infra=6 then InspectorGadgetTheme7   'Button _____
        if infra=7 then JamesBondTheme8         'Button _____
        if infra=____ then JurassicParkTheme9   'Button 9
        if infra=9 then KissIWasMadeForLovingYou10 'Button 10
        if infra=12 then KylieMinogueSpinningAround11 'Button 11
        if infra=13 then MichaelJacksonBeatIt12 'Button 12
        if infra=58 then MissionImpossibleTheme13 'Button *
        if infra=37 then NirvanaSmellsLikeTeenSpirit14 'Button
        if infra=65 then SesameStreet15         'Button Up^
        if infra=17 then SupermanTheme16        'Button Left<
        if infra=16 then StarWarsImperialMarch17 'Button Right>
        if infra=72 then IndianaJones18         'Button Down
        if infra=____ then MacGyver19           'Button II
        if infra=74 then BarbieGirl20           'Button square
        if infra=73 then WinnieThePoohTheme21   'Button >
        if infra=20 then TransformersTheme22    'Button Mute
        if infra=18 then SpongeBobSquarePants23 'Button +
        if infra=19 then FriendsTheme24         'Button -
        if infra=25 then GunsnRosesSweetChildOMine25 'Button O-
        if infra=24 then AbbaMammaMia26         'Button O+
        if infra=64 then BritishNationalAnthem27 'Button RedR
        if infra=21 then TestDoorBell28         'Button Red Power On/off(22)
        goto main
AdamsFamily1:tune 2, 6
($69,$6B,$61,$62,$EC,$6C,$6B,$61,$63,$64,$EC,$6C,$6B,$61,$63,$64,$6C,$6.....
        goto main
AustralianNationalAnthem2: tune 2, 6
($27,$00,$27,$24,$27,$00,$40,$00,$04,$02,$00,$2B,$00,$C2,$27,$00,$27,$24,$20,$27,$67,$27,$04,$02,$00,$2B,$29,$E7,$2C,$27,$29,$6B,$00,$29,$E7,$64,.....
        goto main
Funkytown3:tune 2, 6,($41,$41,$6B,$01,$28,$68,$41,$46,$45,$81,$41,$41,$6B,$01,$28,$68,$41,$46,$45,$41)
        goto main
GetSmartTheme4: tune 2, 7,
(40,$6C,$45,$84,$00,$EC,$40,$6C,$45,$44,$40,$43,$6C,$43,$42,$6A,$41,$6C,$41,$40,$68,$6B,$6C,$6B,$6A,$65,$60,$62,$67,$A5)
        goto main
GreenDayMinority5: tune 2, 6,($24,$62,$60,$20,$60,$60,$22,$24,$20,$2C,$24,$22,$20,$60,$60,$22,$24,$20)
        goto main
HappyDaysTheme6: tune 2, 5,($20,$25,$29,$00,$42,$04,$02,$2C,$22,$27,$2A,$02,$44,$05,$04,.....Etc
```

Type into Picaxe "Programming Editor"



Continue adding, if infra= then ..... and your own Coding & Tunes below.

Note– You Cut & Paste the Hexa decimal coding from the Picaxe Tunes Folder, you don't need to type. ie Select Adams Family.

Pat's Infra Debug Program

```
main:
irin 3, b1
debug
pause 500
goto main
```

Casa Infrared Remote –D

To set to SONY Protocol

Set + TV1 + 127

Infra= 21

Infra= 2

Infra= 4

Infra= 0

Infra= 5

Infra= 1

Infra= 7

Infra= 3

Infra= 8

Infra= 6

~~Infra= 13~~ ~~Duplicate~~

Infra= 12

Infra= 37

Infra= 9

Infra= 58

Infra= 13

Infra= 17

Infra= 16

Infra= 72

Infra= 74

Infra= 63

Infra= 73

~~Infra= 16~~ ~~Duplicate~~

Infra= 20

~~Infra= 17~~ ~~Duplicate~~

Infra= 18

Infra= 24

Infra= 19

Infra= 25

~~Infra= 58~~ ~~Duplicate~~

Infra= 65

Infra= 64

Pat McMahon

Version 1– 8/5/2015

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