<http://rusticengineering.com/2011/02/09/infrared-room-control-with-samsung-ir-protocol/>

values

start bit: 8.99 period (first width is 4.554 second width is 4.438)

total 110 ms signal

value 1/high: 1.66 width pulse, 2.24 width period, **.572-.576 ms between pulses**

value 0/low: .524 ms pulse, 1.098 width period

0=1110 0000 1110 0000 1000 1000 0111 0111

1= 1110 0000 1110 0000 0010 0000 1101 1111

2= 110 0000 1110 0000 1010 0000 0101 1111

3= 1110 0000 1110 0000 0110 0000 1001 1111

4= 1110 0000 1110 0000 0001 0000 1110 1111

5=1110 0000 1110 0000 0001 0000 1110 1111

6= 1110 0000 1110 0000 0101 0000 1010 1111

7= 1110 0000 1110 0000 0011 0000 1100 1111

8= 1110 0000 1110 0000 1011 0000 0100 1111

9= 1110 0000 1110 0000 0111 0000 1000 1111

trend = 1110 0000 1110 0000 data 0000 data’ 1111

Button Down\_Baban

1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 0 0 0 0 1 1 0 0 1 1 1 1 0 0 1

Button Down\_Ajit

1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 0 0 0 0 1 1 0 0 1 1 1 1 0 0 1

Button LEFT Baban

1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 0 1 0 0 1 1 0 0 1 0 1 1 0 0 1

Button LEFT Ajit

1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 0 1 0 0 1 1 0 0 1 0 1 1 0 0 1

Button MUTE Baban

1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 1 1 1 1

3

Button MUTE Ajit

1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 1 1 1 1 0 0 0 0 0 0 0 0 1 1 1 1

Button RIGHT Baban

1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 0 0 0 1 1 0 1 0 1 1 1 0 0 1

Button RIGHT AJIT

1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 1 0 0 0 1 1 0 1 0 1 1 1 0 0 1

ButtonUP Baban

1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 1 1 0 1 1 1 1 1 0 0 1

Button UP Ajit

1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 1 1 0 1 1 1 1 1 0 0 1