

Harbor Breeze RF Codes

Sniffing the Codes

Codes were sniffed with an [RFToy](#) running [ESPHome](#). I have not been successful in controlling the fan by transmitting a code from ESPHome, but I did have initial success with recording and retransmitting with [Pilight](#). This suggests it's doable with an ESP, but I'm missing something in the protocol.

Codes

Generic

Action	Code
Light (Short)	011101000010101010010101
Light (Long)	011101000010101001010101
Timer - 2h	011101000010101010010001
Timer - 4h	011101000010101001010001
Timer - 8h	01110100001010111010001
House	011101000010101011110001
Clock	011101000010101011011101

Summer

Action	Code
Activate	011101000010101000010101
Power (Short)	011101000010101000000101
Power (Long)	011101000010101001110101
Level 1	011101000010101010000101
Level 2	011101000010101001000101
Level 3	011101000010101011000101
Level 4	011101000010101000100101
Level 5	011101000010101010100101
Level 6	011101000010101001100101
Breeze	011101000010101011100101

Winter

Action	Code
Activate	011101000010101000011101
Power (Short)	011101000010101000001101
Power (Long)	011101000010101001111101
Level 1	011101000010101010001101
Level 2	011101000010101001001101
Level 3	011101000010101011001101
Level 4	011101000010101000101101
Level 5	011101000010101010101101
Level 6	011101000010101001101101
Breeze	011101000010101011101101

Fan Direction

01110100001010100001x101

x = 0 for summer, 1 for winter

References

1. "A25-TX012 TX012 Transmitter by DawnSun Electronic Technology.Co.,Ltd.ZhongShan". (2013, April 12). FCC ID. Retrieved August 11, 2021.