

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)	0111010000101010010101
Light (Long)	0111010000101010010101
Timer - 2h	0111010000101010010001
Timer - 4h	0111010000101010010001
Timer - 8h	0111010000101011010001
House	01110100001010101110001
Clock	0111010000101011011101

Summer

Action	Code
Activate	011101000010101000010101
Power (Short)	011101000010101000000101
Power (Long)	011101000010101001110101
Level 1	0111010000101010000101
Level 2	011101000010101001000101
Level 3	011101000010101011000101
Level 4	011101000010101000100101
Level 5	011101000010101010100101
Level 6	011101000010101001100101
Breeze	01110100001010101100101

Winter

Action	Code
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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.

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