

Technical Description

This dehumidifier operates at 110–120V AC, 60Hz. After power-on, press the dehumidification key to start dehumidifying. It also features a fan-only mode; press the corresponding key to switch modes. The unit can also be controlled via APP. Not support Simultaneous transmitting in 2.4GHz WiFi and Bluetooth.

For more detail information pls. refer to the user manual.

Bluetooth Version: BLE 5.0 (single mode)

BLE Modulation Type: GFSK

WiFi Modulation Type: BPSK, QPSK, 16QAM, 64QAM for OFDM; CCK, DQPSK, DBPSK for DSSS

Antenna Type: Integrate antenna

Antenna Gain: 1.4 dBi

Normal operating temperature range: 5°C- 32°C

Maximum operating temperature range: 32°C

The nominal conducted output power specified (BLE): 4.0dBm (± 2 dB)

The nominal conducted output power specified (WiFi): 20.0 dBm (± 2 dB)

Main configuration as below:

The function of main IC is mentioned as below.

Main Board IC6: R5F100FF

Display Board U1: FY80F498

WiFi Board U1: ESP32-C3-SOLO-1

Y1: Crystal Oscillator Frequency 40MHZ

Channel List (BLE)

2402	2404	2406	2408	2410	2412	2414	2416	2418	2420
2422	2424	2426	2428	2430	2432	2434	2436	2438	2440
2442	2444	2446	2448	2450	2452	2454	2456	2458	2460
2462	2464	2466	2468	2470	2472	2474	2476	2478	2480

2.4G WIFI Channel List:

40 MHz		20 MHz	
3	2422 MHz	1	2412 MHz
4	2427 MHz	2	2417 MHz
5	2432 MHz	3	2422 MHz
6	2437 MHz	4	2427 MHz

7	2442 MHz	5	2432 MHz
8	2447 MHz	6	2437 MHz
9	2452 MHz	7	2442 MHz
		8	2447 MHz
		9	2452 MHz
		10	2457 MHz
		11	2462 MHz