

Shenzhen Welldi Technology Co., Ltd.
Product specification

Product number	P4	Date of writing	2021. 12. 13	file version	V1.0
Product function and configuration					
Features	BT, USB, AUX, TWS, TF;			File No	WED-QR-RD-007
Bluetooth solution	BP1V808	Bluetooth version	V5.0		
Power amplifier chip	XA9523	Decoding format	MP3		
Battery configuration	7.4V/2500mAh	waterproof level	ipx7		
Speaker specifications		Product Size			
Key function operation instructions:					
		dog	1. Switch the light display effect (light off as a kind of light effect).		
	POWER	Press	2. In the shutdown state, press and hold for 2 seconds to turn on the phone.		
			3. In the power-on state, press and hold for 2 seconds to power off.		
		dog	1. Volume reduction, a total of 16 levels, each level has a corresponding light indicator.		
	V-/Prev	Press	instructions.		
		dog	1. In the state of music playing: play and pause functions.		
	Play/Pause	Press	connection when the TWS is connected.		
			it will automatically shut down.		
		dog	1. The volume is increased, a total of 16 levels, and each level has a corresponding light indicator.		
	V+/Next	Press	instructions.		
		dog	1. Short press MODE to switch: BT, TF, USB, AUX.		
		Double click	2. Turn off BASS and turn it on by default (music sound will become smaller when switching, and the sound will be restored after switching).		
			3. In the connected state: long press for 2 seconds to disconnect the Bluetooth connection.		
	MODE	Press	mobile phone.		
	RESET	dog	panel to reset the power.		
Indicator light description:					
Bluetooth mode:	1. Bluetooth is not connected: RGB light breathes slowly, Bluetooth indicator flashes quickly				
	2. Bluetooth connection is successful: RGB light breathes slowly, Bluetooth indicator light keeps on				
	3. Play music: RGB light flashes with the rhythm of music, Bluetooth indicator light off				
	4. pause: RGB lights slow breathing, Bluetooth indicator light				
AUX/TF/USB mode:	Play music: RGB light flashes with the rhythm of the music, Bluetooth indicator light is off				
	Pause: RGB light breathes slowly, Bluetooth indicator light is always on				
Charge:	1. Charging: the charging light is always on (red light).				
	2. Fully charged: the charging light goes out.				
	3. Low battery: the charging light flashes slowly (period 2s, duty cycle 20%) while the low battery warning sound is emitted.				
Electrical parameters:					
Features	N0	project	parameter	unit	equipment
AUX IN	1	(THD+N)		%	AP(AST-2)
	2	input resistance		Ω	
	3	Input sensitivity (THD=10%)		mV	
	4	Signal to noise ratio (Po=MAX)		dB	
	5	Frequency response		Hz	
	6	THD = 1% output power		W	
	7	THD = 10% output power		W	
	8	Degree of separation		dB	
Bluetooth @Apple iPad		Version		VER	Bluetooth test fixture and AP
		HSP)		SET	
		Bluetooth transmit power		dBm	
		Bluetooth receiving sensitivity		dBm	
		(THD+N)		%	
		Input sensitivity (THD=10%)		mV	
		Signal to noise ratio (Po=MAX)		dB	
		Frequency response		Hz	
		THD = 1% output power		W	
		output power		W	
		Degree of separation		dB	
		Working frequency		GHz	

other		Low battery warning voltage		V	Voltmeter Ammeter
		Automatic shutdown voltage		V	
		playing		min	
		current		uA	
		recharging current		mA	
		Charging time		h.min	
		Play time 50% volume		h.min	
		Play time 100% volume		h.min	
		distance		m	
		TWS distance		m	
		range of working temperature		°C	
		ESD discharge (contact)		KV	
Important material		trumpet	size	mm	Voltmeter audio signal generator
			power	W/Ω	
			F0	Hz	
			Frequency response	Hz	
		Lithium Ion Battery	Model/Size	mm	Voltmeter ammeter sub-capacity meter
			Voltage/capacity	V/mAh	
			Internal resistance	mΩ	
			Factory voltage	V	battery internal resistance tester
			Static self-consumption	uA	
		PCBA	lead-free spray tin, via hole cover oil, blue oil and white lettering. Size: mm		
		Mitou	Sensitivity -36--40db Sound pressure 110db SNR 60db		
	Product frequency response curve:				