

SHENZHEN WELLDY TECHNOLOGY CO.,LTD

Product Specifications

Product Model		E200ML		Date created	2021.09.10	Doc. Version	V1.0
Product function and configuration							
Function		BT、AUX、TWS、TF、MIC					
BT Chip		BP1V808			BT Version	V5.0	
Power amplifier chip		XA9012B			Decoding Format	MP3 WAV APE FLAC	
Battery		3.7V/2200mAh			IP Water	IPX7	
Speaker Driver		φ 52mm 4Ω6W*2			Product Dimensions	76mm*80mm*189mm	
Operation Instructions:							
1	POWER	Short press	1. Short press to turn on and off the RGB lighting effect				
		Long Press	1. In the power-off state, long press for 2 seconds to turn on 2. In the power-on state, press and hold for 2 seconds to power off				
2	V-/Prev	Short Press	Volume Down (16 levels in total)				
		Long Press	Previous song , Long press in AUX mode to decrease the volume				
3	Play/Pause	Short Press	1、Music playback status: play, pause function 2、When there is an incoming call: short press to answer the call 3、When you're receiving the call: short press to hang up the phone call				
		Long Press	1、When there is an incoming call: long press to refuse the call 2、Press 2 seconds to enter TWS connection, once connected, long press to disconnect TWS connection 3、If the speaker crashed, hold it for 8 seconds to automatically reset the speaker and turn it off .				
		Double Press	1、When it's connected via Bluetooth to your phone: double press to call back the last call				
4	V+/Next	Short Press	Volume Up (16 levels in total)				
		Long Press	Next song , Long press in AUX mode to increase the volume				
5	Bluetooth	Short Press	Short press MODE to switch: BT, TF, AUX,				
		Long Press	1. When connected: long press for 2 seconds to disconnect 2. When the Bluetooth connection is disconnected: long press for 2 seconds to connect to the last disconnected mobile phone				
Indicator Light decription							
BT mode		1. Bluetooth is not connected: RGB light breathes slowly, white light flashes quickly 2. Bluetooth connection is successful: RGB light breathes slowly, white light is always on 3. Play music: RGB light flashes with the rhythm of music, white light flashes slowly 4. Pause: RGB light breathes slowly, white light is always on					
TF mode		1. Play music: RGB lights flash with the rhythm of the music, white lights flash slowly 2. Pause: RGB light breathes slowly, white light is always on					
AUX mode		1. Play music: RGB lights flash with the rhythm of the music, white lights flash slowly 2. Pause: RGB light breathes slowly, white light is always on					
Charging		1. Charging: the current battery indicator will light up in turn 2. Fully charged: the electricity is on and the indicator lights are all on					
Eectrical Parameter							
Function	NO	Project		Standard		Unit	Equipment
AUX IN	1	Total harmonic distortion PO=0.5W (THD+N)		0.6		%	AP(AST-2)
	2	input resistance		≥10KΩ		Ω	
	3	Input sensitivity (THD=10%)		1600		mV	
	4	SNR (Po=MAX)		49.7		dB	
	5	Frequency response		70-20K		Hz	
	6	THD = 1% Output Power		5		W	
	7	THD =10% Total harmonic distortion output power		5		W	
	8	Degree of separation		-57		dB	
BT@Apple iPad	1	Version		5.0+EDR		VER	BT Test Fixture and AP
	2	Protocol specification(A2DP、HFP、HSP)		3		SET	
	3	BT transmit power		2			
	4	BT receiving sensitivity		-88.5			
	5	Total harmonic distortion PO=0.5W (THD+N)		0.5		%	
	6	Input sensitivity (THD=10%)		500		mV	
	7	SNR (Po=MAX)		78		dB	
	8	Frequency response		70-20K		Hz	
	9	THD = 1% Output Power		5		W	
	10	THD =10% Total harmonic distortion output power		5		W	
	11	Degree of separation		63		dB	
	12	Working frequency		2.4G		2.4GHz	
Others	1	Low battery warning voltage		3.4		V	Voltmeter, Ammeter
	2	Automatic shutdown voltage		3.4		V	
	3	Automatic shutdown time wihout playing		10		min	
	4	Shutdown power consumption current		8		uA	
	5	charging current		1000		mA	
	6	charging time		3		H	
	7	Playing time @50% volume		7-8		H	
	8	Playing time @100% volume		3		H	
	9	BT wireless transmission distance		15		m	
	10	TWS distance		10		m	
	11	Working temperature		-5°~40°		°C	
	12	ESD discharging (touch)		≥4		KV	