

Product specification

Model	Version	结构设计	电子设计	软件设计	批准	Date
Y1	V1.0	周工	陈伟	杨工	王工	2023.12.16

Item		Specification
Technical parameter	Product type	Helmet bluetooth headset
	Bluetooth device name	Y1
	Volume adjustment mode	Touch the button to adjust
	Feature	Bluetooth 5.3, waterproof IPX6, Voice clear and loud, Large-capacity battery
	Bluetooth distance	10M（barrier free）
	Storage type	NC
	Charging voltage	5V/1A
	Power supply	Lithium battery3.7V 250MAH
	Standby time	25H（Connect Bluetooth on startup, do not play music）
	Headphone interface	TYP-C
	SNR	78dB
	Charging time	About 2H
	Bluetooth call duration	16H continuously
	Bluetooth playback duration	15H（volume max）
	Frequency response	100Hz~18KHz
	Product size	
	Weight	
	USB type	TYPE-C
Functional support	Off-line voice	NC
	File format	NC
	Bluetooth call	support
	TF card playback	NC
	Percussion music	NC
	Bluetooth playback	support
	USB playback	NC
	USB sound card playback	NC
	TF card reader	NC
	External audio source access	NC
	Bluetooth back-connection	Support
	Bilingual voice on/off	NC
	Battery status	Support IOS device battery display
	Ring tone	Support
	Internal recording function	NC

	TWS	NC		
	FM radio	NC		
Voice prompt	Power on tone	“power on”		
	Power off tone	“power off”		
	Manual answer	“manual answer”		
	Automatic answer	“auto answer”		
	Recording mode	NC		
	Bluetooth mode prompt tone	“bluetooth mode”		
	Percussion music mode	NC		
	Exit Percussion music mode	NC		
	External audio mode prompt tone	NC		
	TF card mode prompt tone	NC		
	Maximum volume	“Dong”		
	Bluetooth connected prompt tone	“bluetooth connected”		
	Bluetooth disconnected prompt tone	“bluetooth disconnected”		
	Bluetooth back-connection prompt tone	“bluetooth connected”		
	Incoming call ring tone	“Du...Du...”		
	Reader mode prompt tone	NC		
	Low battery warning	“Low battery, please charge”		
Charging feature	Charging while playing function	NC		
	Trickle charging current	I=40mA		
	Standard charging current	I= 400mA		
	Fully charged cutoff current	I≤ 0.40mA		
	Speaker fully charged voltage	4.15 V≤Vbat≤ 4.25 V		
	Static current	Vbat= 4.2 V ≤ 55 uA		
	Over-current protection	2.5A±0.5A		
	Short-circuit protection	yes		
	Software over-release protection	Vbat≤2.8V		
	Turnoff current	≤ 40 uA		
	No-load voltage	4.20±0.15V (Fully charges)		
	Charging LED	Voltage	LED1	

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	indicator mode (Keep the LEO on while charging and turn it off when fully charged)	4.13V≤Vbat≤4.25V	off	
		3.00V≤Vbat<4.13V	on	
Speaker function button	Power button	Press the button for 3 seconds		
		Music mode: Short press to play or pause music; Incoming call mode: short press to answer a call, and short press the button again for hanging up. Long press to reject or hang up call; Double-click the last number to replay. Incoming calls are accompanied by an announcement of the phone number Turn on the device without Bluetooth connection, double-click the switch button to change between Chinese and English voice broadcast		
		In music playing mode: Long press the volume "+" to increase the volume. Short press the button for next sound Double-click: Double-click the volume "+" button to switch between manual answer and automatic answer after 10 seconds later, and the voice playing prompt "Auto Answer" and "Manual Answer" will be displayed, when Bluetooth is not connected,		
		In music playing mode: Long press the volume "-" button to reduce the volume. Short press to switch to the previous song; FM mode: Short press to switch the saved radio station, and long press to reduce the volume		
LED status indicator	Bluetooth pairing status	The power button LED blinks quickly		
	Bluetooth pairing succeed	The power button LED blinks slowly		
	Time out	The power button LED blinks slowly		
	AUX playback mode	NC		
	TF card playback mode	NC		
	Bluetooth playback mode	The power button LED keeps on		
	Volume Max	NC		
	Volume Min	NC		
	Stand by	Bluetooth mode is not connected and no operation within 5 minutes the device will be automatically shut down		
	Fully charged	Red LED off; The device will automatically shut down if you insert the charger for charging, When the device is turned on. If you need to turn on the device at this time, please long press the button again for 3 seconds to turn on the device.		

Product
Photo

