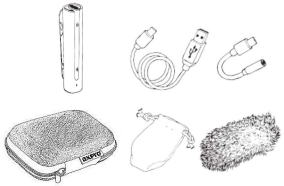
RichChip

Bluetooth Microphone

Device Information

Content list

- RichChip Microphone
- Charging cable
- Type-C to 3.5mm Cable
- Microphone Pouch
- Windshield Muff
- Storage box
- Use Manual



v1.0

Caution

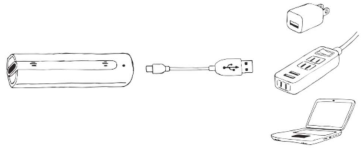
To ensure safety when using the product, the user should observe the following precautions:

- Keep out of reach of small children and pets.
- Do not disassemble the device by yourself, which will void the warranty.
- Keep the device away from water, moisture, solvents, or other wet surfaces.
- Do not expose the device to heat or direct sunlight.
- Only operate the device in the ideal temperature range 0°C (32°F) to 50°C (122°F). If the temperature is outside this range, unplug/power off the unit until the temperature returns to the ideal range.
- It is recommended that you clean the device with dry cloth to avoid accumulation of dirt. Never use soap or harsh cleaners.
- Do not open, damage, or expose the battery to conductive objects (such as metal), moisture, liquids, fire, or heat. Otherwise, battery fluid may leak or explode, resulting in personal injury. Battery life varies with usage.

Charge RichChip Microphone

1. Connecting RichChip with the Type-C to USB charging cable, and connect to a power supply.
2. When charging, a steady RED light will show on the indicator.
3. When the indicator turns to GREEN light, the battery charge is complete.

Note: please fully charging the battery when you first use Richchip



Use RichChip Microphone

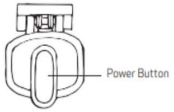
Power on

Press and hold the power button for 3 seconds till BLUE light flashes for 3 times.

- If the BLUE light and the RED light flash alternately, it means the device is waiting to be paired.
- If BLUE light flashes every 6 seconds, it means B20 is already paired to a device.

Power off

Press and hold the power button for 3 seconds till RED light flashes for 3 times. Then the indicator light is off.



Connect RichChip Microphone via Bluetooth

1. Place RichChip next to the phone within 20 inch / 0.5 m.
2. Press and hold RichChip's power button for 3 seconds to turn on device.
3. If RichChip is waiting for pairing, BLUE and RED light will flash alternatively.
4. If RichChip is already paired, BLUE light will flash every 6 seconds.
5. Go to Bluetooth setting of the phone. Turn on Bluetooth function and search for RichChip. Click on RichChip to connect.
6. Once the connection is complete, RichChip will flash blue light every 6 seconds.

NOTE: If RichChip cannot successfully connect to the phone, please connect both *RichChipBLE* and *RichChip* in the Bluetooth pairing settings of the phone. Reactivate App if B20BLE cannot be found in the device list.

Disconnect the RichChip

- *Temporarily* - press the hold RichChip's power button for 3 seconds to turn off RichChip. The connection will be temporarily off. Press the hold the power button for 3 seconds to turn back on. The connection will resume.
- *Permanently* - go to Bluetooth setting of the phone. Click on RichChip and click on "Forget this device" or "Disconnect".

Troubleshooting

If you encounter problems when using the RichChip, please follow the steps in the table below before contacting technical support.

Problem	Cause	Solution
I cannot turn on RichChip.	The battery is low.	Charge Devie with supplied charging cable for at least 2 hours.
There is no sound.	The device doesn't pair with RichChip.	Reconnect Device
	The connection between RichChip and the device is unstable.	Keep transmission distance within 15 meters.
	Wall or building blocked the signal.	Make sure the area is clear.
There is too much ambient noise.	The ambient noise is too loud.	Use App. Increase Gain and record again.
I cannot pair R_Chip with my device.	Bluetooth is disabled in your device.	Enable Bluetooth in your device.
The device cannot find Richchip.	Device is connected withanother device.	Permanently disconnect d from another device.
RichChip constantly disconnects from the device.	The battery is low.	Charge R_chip with supplied charging cable for at least 2 hrs.

LED Indicators

Indicator	Status
Red light flashes for 3 times	Power off
Blue light flashes for 3 times	Power on
Steady red light	Charging
Steady green light	Fully charged
Blue light flashes every 6 seconds	Paired
Blue light and red light flashes alternatively	Waiting for pairing

Specifications

Weight: 16 g
Bluetooth distance: 15 meters (49 feet) line of sight.
Microphone type: Omnidirectional
Frequency range: 25 ~ 22K Hz (microphone sensor)
Sensitivity: -37dB +-1dB
S/N ratio : 66dB
Built-in battery: 170 mAh
Charge time: <2 hours
Input voltage: 5V
Charging port: USB-C
Voltage range : 1.65V – 3.6V

FCC Warning

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.