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To Whom it May Concern,

This letter is to confirm that the below mentioned product does not require an LOA. All relevant spec sheets and user manuals are in the below document.

- **Product Code: IS1003**
- **Product Description: DESKTOP USB MICROPHONE**
- **Product Features:**
 - High quality sound
 - Plug & Play
 - Power Connection: USB
 - Ideal for recording and live streaming
 - Reduces background noise
 - Unidirectional microphone
 - Includes table top stand

Should you have any queries please do not hesitate to contact us.

Kind Regard
Parrot Products Management

ELECTROTECHNICAL Letter of Authority (LOA) ADMINISTRATION PROCEDURE



LETTER OF AUTHORITY (LOA) PROCESS

1. Background:

Government Notice R 89 dated 6 February 2009 published in Government Gazette 31844 introduced compulsory safety standards for electrical and electronic apparatus. Government Notices R.1164 and R.1165 dated 15 August 2003 published in Government Gazette 25306 introduced the new requirements for low and medium voltage electric cables. Government Notice 1010 dated 21 October 2005 in Government Gazette 28122 introduced compulsory safety standards for incandescent lamps. Government Notice R 90 dated 6 February 2009 published in Government Gazette 31844 introduced compulsory safety standards for lamp control gear. Government Notice R.348 dated 7 May 2010 published in Government Gazette 33152 introduced compulsory safety standards for compact fluorescent lamps. Government Notice No. 944 dated 28 November 2014 published in Government Gazette 38232 introduced compulsory energy efficiency and labelling standards for electrical and electronic apparatus. To standardize with International Standards, the standards adopted were the International Electrotechnical Commission's (IEC) Standards.

LOA's are required by all manufacturers and importers of commodities that fall under the scope of the above compulsory specifications (VCs) prior, to the importation and sale of the product. This LOA will only be issued after the successful evaluation of the proof of compliance submitted. A memorandum of agreement between SARS (Customs & Excise) and NRCS also ensures stringent import control, such that no importer will be granted market entry into South Africa for commodities that fall under the scope of the relevant compulsory specifications unless they are in possession of an original valid LOA for the specific commodities.

1.1 VC 8055: Compulsory Specification (VC) for the safety of electrical and electronic apparatus.

The following are examples of standards that are covered by this:

- a. SANS IEC 60335: Safety of household appliances, eg. kettles, irons, stoves, refrigerators, commercial catering equipment, etc.
- b. SANS IEC 60065: Safety of audio-visual equipment and similar electronic apparatus, eg. TV's, music systems, DVD players, radios, etc.
- c. SANS IEC 61029: Safety of transportable motor-operated electrical tools, eg. circular saws, grinders, etc.

- d. SANS IEC 60598: Safety of general purpose and fixed luminaries including power factor of SANS 475 (Performance requirements).
 - e. SANS IEC 60745: Safety of hand-held motor-operated tools, e.g. drills, sanders, etc.
 - f. SANS IEC 60950: Safety of information technology equipment and related equipment, e.g. computers, printers, copiers, etc.
 - g. SANS IEC 61010: Safety requirements for electrical equipment for measurement, control and laboratory use.
 - h. SANS IEC 61558: Safety requirements for power transformers, power supplies, reactors and similar products.
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- 1.2 VC 8003: Compulsory Specification for switches for fixed installations.
 - 1.3 VC 8006: Compulsory Specification for the safety of flexible cords for electrical appliances.
 - 1.4 VC 8008: Compulsory Specification for the safety of plugs, socket outlets and socket outlet adaptors.
 - 1.5 VC 8011: Compulsory Specification for lampholders.
 - 1.6 VC 8029: Compulsory specification for cord sets and cord extension sets.
 - 1.7 VC 8036: Compulsory specification for circuit-breakers.
 - 1.8 VC 8039: Compulsory specification for the safety of starters for tubular fluorescent lamps.
 - 1.9 VC 8043: Compulsory Specification for the safety of incandescent lamps.
 - 1.10 VC 8052: Compulsory specification for the safety of manually operated switches for appliances.
 - 1.11 VC 8075: Compulsory Specification for the safety of electric cables with extruded solid dielectric Insulation for Fixed Installations (300/500V to 1900/3300V).
 - 1.12 VC 8077: Compulsory Specification for the safety of medium-voltage electrical cables.
 - 1.13 VC 9006: Compulsory specification for storage water heaters.
 - 1.14 VC 9008: Energy efficiency and labeling for electrical and electronic apparatus.
 - 1.15 VC 9087: Compulsory specification for lamp control gear.
 - 1.16 VC 9091: Compulsory specification for compact fluorescent lamps.

2. Company Registration

Before the LOA's can be issued the importer or manufacturer of a product that falls within the scope of the compulsory specifications, the company must register with the Electrotechnical Division of NRCS by completing the attached Application for Registration form (ANNEX 2).



User Manual

Desktop USB Microphone (IS1003)



For further information, contact us on:

Tel: (RSA) 010 140 4900 / Email: sales@parrot.co.za / www.parrot.co.za



Attention

1. Please read these warnings carefully and ensure to follow all instructions before using the microphone.
2. Do not disassemble or try to repair the microphone.
3. Include the user manual when distributing the device to third parties
4. Do not use faulty or damaged products as this may result to injury
5. Keep this product and all contents away from children and animals to avoid consumption of small parts.
6. To avoid damage, keep the device dry at all times. Do not expose to wet or humid environments or extreme temperatures.
7. Only use soft, dry & clean cloth to clean the device.
8. Do not cover the microphone grid with your hands.
9. Regular maintenance is recommended to avoid power instability and acoustic problems.

1. Operating Controls

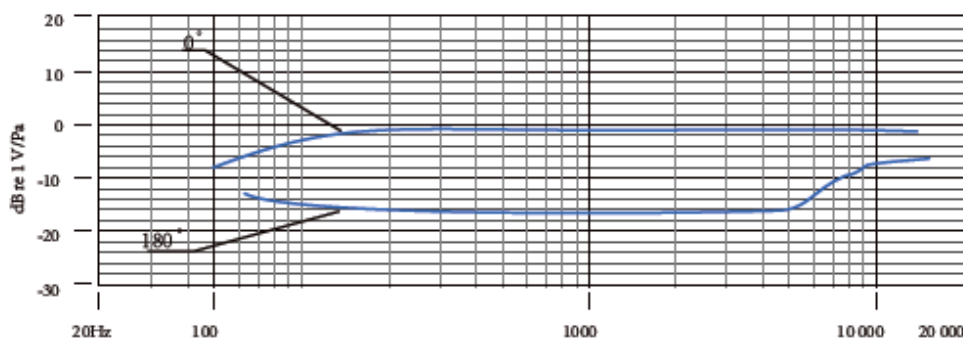
1. Metal protection mesh
2. Mic core head
3. LED indicator
4. Volume button
5. Screw rotation
6. Usb port



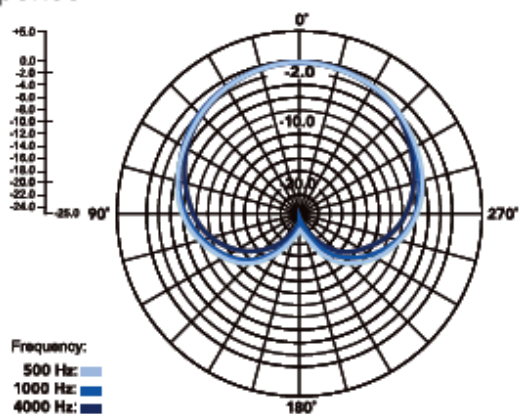


2. Specifications

1. Sensitivity: $-42 \pm 3\text{dB}$ (1.5V, 680K Ω ; 0dB=1V/Pa, 1KHz)
2. Output Impedance: Low Impedance ($< 680\Omega$)
3. Directory: Unidirectional
4. Frequency Range: 1000Hz - 18000Hz
5. S/N Ratio: More than 58dB
6. Current Consumption: 0.5mA
7. Standard Operation Voltage: DC - 5V
8. Maximum Input Sound Pressure: 125dB
9. Decreasing Voltage Characteristic: Within 3dB at 1V
10. Power Connection: USB



11. Polar Response





3. Precautions

1. The microphone is powered by USB port device;
connect the microphone with your computer and get it to work.
Compatible with Mac and Windows 10 (Not compatible with
Xbox and cellphones).
2. Placement of the Microphone and relative to the vocalist may
by varied on several factors including room acoustics, the
vocal performance, and whether the vocalist has a high or deep
voice, etc.
3. An ideal starting point for the reference is to place MIC directly
in front of the lead singer at 15-20 cm (6-8") distance.
4. Make a test to find the perfect speaking angle when you use
the microphone, as different speaking angles result in different
outputs of your sound. It will be best results can be achieved
when the vocalist is aligned to the microphone gold dot





4. Microphone Setup

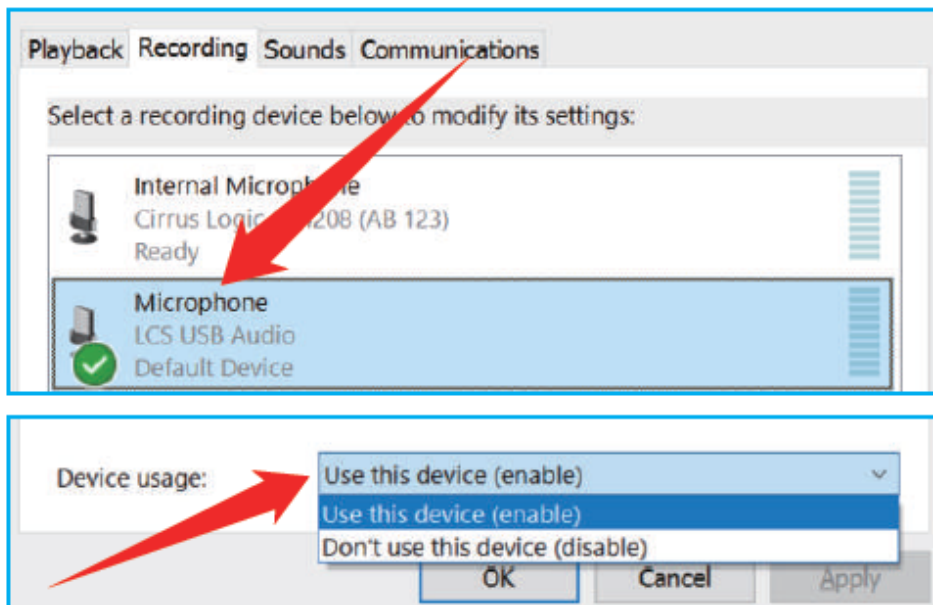
1. Volume Up: turn the volume dial to the right. Volume Down: turn the volume dial to the left.
2. The microphone has a default volume setting. To customize your preferred volume sensitivity and listen to own sound when using the microphone, please read the following steps

1) For Windows Computer

Right click "Sound" icon and open the menu.

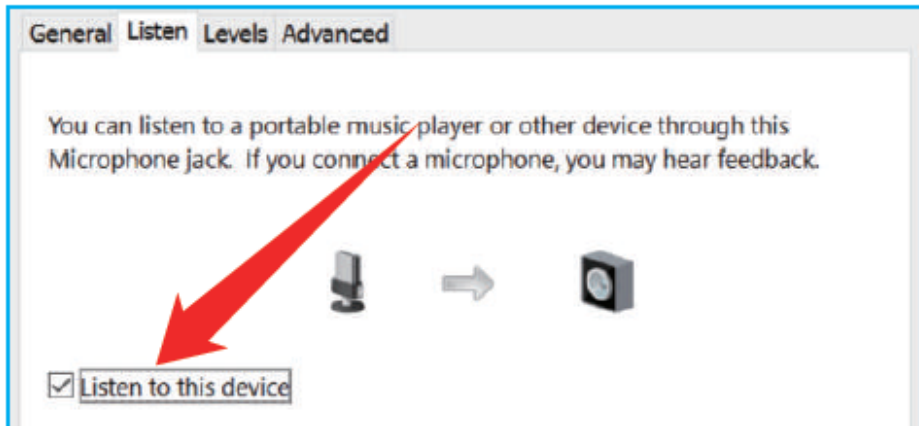


Select Recording tab, then select USB AUDIO and click on properties. Select General and from the list of Device usage options choose "Use this device (enable)". Click OK after completing all previous steps.

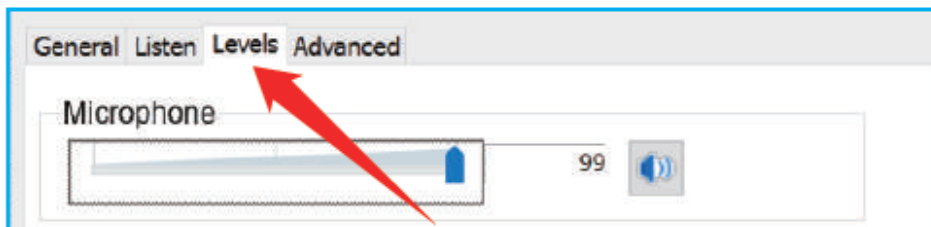




Select "Listen" in "Properties", and tick "Listen to this device";

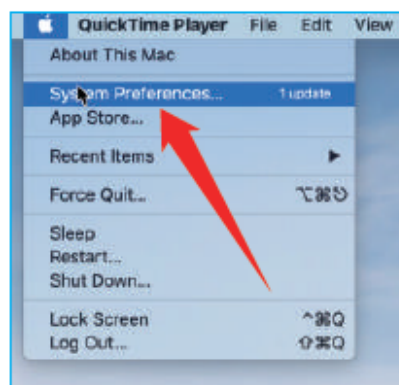


Select "Levels" in "Properties", adjust the sensitivity by using the slider.



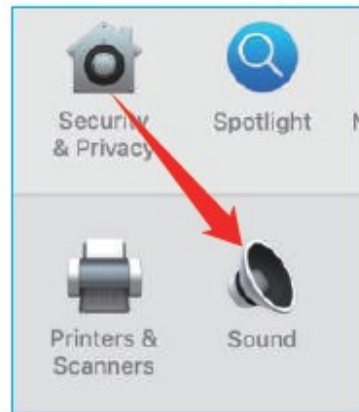
2) For MAC or iOS Computer

- Click top left corner of your screen and select "System Preferences";

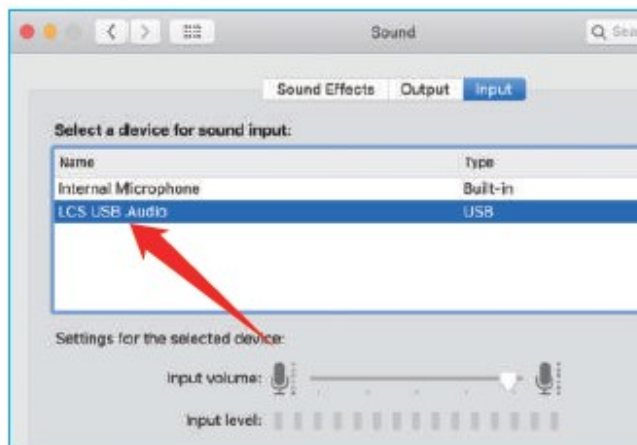




- Select "Sound" from the list;



- In sound options, choose "USB Microphone" in the list of input;
Adjust the input level by using the slider.



ATTN: Mac OS system is not set with recording functions, you need to download a recording software before making records.



Trouble Shooting

Q1: Why does my computer not recognise the device

Solution: 1. Unplug the USB cable and then reinsert again ;
2. Try to use another USB cable;

Q2: No sound in microphone.

Solution: Please check the setting of your computer and see whether it's correct. Select "Sound-Recording Device-Recording". Select the name of the recognized microphone, click "Properties" and select "Use this device (enabled)".

Q3: What is the best distance range?

Solution: 15-20cm.

Q4: How to reduce the external noise picked up by the microphone?

Solution: Adjust the microphone to a medium volume

Q5: No sounds can be heard when connecting with Win 10?

Solution: If the microphone suddenly stops working after the latest Windows 10 update and no sound is picked up, select "Sound-Recording Device-Recording". Choose "Recognized microphone" - Click "Properties" - Select "Use this device (enabled)".

Q6 : Does it absorb background noise around user?

Solution: Yes, any microphone will pick up background noise, especially for sensitive microphones. You can isolate most noise by keeping the environment quiet and adjusting the input level.

Refer to our website www.parrot.co.za for warranty information



Plug & Play



IS1003 Technical Specs:

Sensitivity	- 42±3dB(1.5V,680KΩ; 0dB=1V/Pa,1KHz)
Output Impedance	Low Impedance (<680Ω)
Directory	Unidirectional
Frequency Range	100Hz - 18000Hz
S/N Ratio	More than 58dB
Current Consumption	0.5mA
Standard Operation Voltage	DC - 5V
Maximum Input Sound Pressure Level	125dB
Decreasing Voltage Characteristic	Within 3dB at 1V
Power Connection	USB

Product Features

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