



# NT-USB

Versatile Studio-Quality  
USB Microphone

[www.rodemic.com/nt-usb](http://www.rodemic.com/nt-usb)

- Compatible with Apple iPad®
- Cardioid polar pattern
- State-of-the-art surface mount electronics
- Designed in Australia
- Full 2 year guarantee\*

- NT-USB microphone
- Tripod mount (stand)
- Pop shield
- USB cable (6m/ 20")
- Manual
- Microphone pouch
- Mic clip/Mounting ring

\*Online registration required

**Acoustic Principle**

Pressure Gradient

**Active Electronics**

JFET impedance converter with bipolar output buffer, A/D converter 16bit 48kHz, headphone amplifier

**Directional Pattern**

Cardioid

**Frequency Range**

20Hz ~ 20kHz

**Dynamic Range**

96dB

**Maximum SPL**

110dB SPL

**Power Requirements**

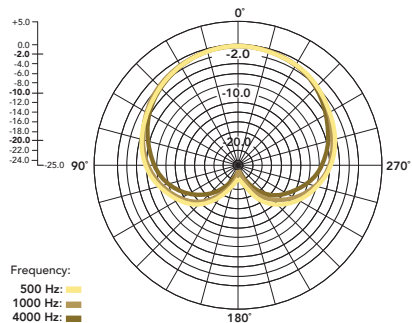
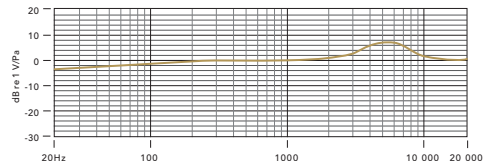
USB 5VDC

**Output Connection**

USB

**Net Weight**

520g

**Polar Response****Frequency Response**



Register your NT-USB now and validate your free 2 year warranty.

Scan the QR code with a smartphone, or visit [www.rodemic.com/warranty](http://www.rodemic.com/warranty)

The NT-USB is covered by a limited warranty for one (1) year from the date of purchase. This can be extended free of charge to a full two (2) year warranty by registering your microphone online by visiting our website as above.

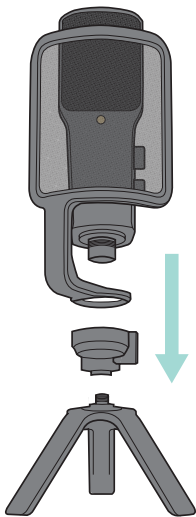
The NT-USB is powered by your device's USB port, meaning that in most instances you can just plug the microphone in and get started right away. For non-standard USB ports, a powered USB hub may be required.

The NT-USB is a "Plug & Play" USB device, compatible with both Windows and Mac computers, as well as the Apple iPad via the USB camera connection kit (available directly from Apple).

The NT-USB features a purple LED inside the microphone cage that indicates when the microphone has power. If the light does not turn on after plugging the microphone in, the computer or device you are using may not provide enough power for the NT-USB. If this is the case, we recommend connecting the NT-USB via a powered USB hub.

The NT-USB is supplied with a high quality tripod mount. To assemble simply screw the mounting ring onto the tripod stand (diagram 1). The mounting ring can also be used as a mic clip to attach the NT-USB to a mic or boom stand.

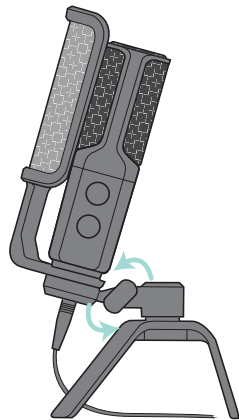
To install the NT-USB in the mounting ring place the microphone in the mount from above (optionally using the pop filter), and thread into the mounting ring. Once the microphone is facing the correct way, turn the dial at the bottom clockwise until tight (diagram 1).



**Diagram 1 - Mounting the NT-USB in the supplied tripod stand**

To change the microphone position, always be sure to loosen the adjustment lever to ensure that you do not damage the stand.

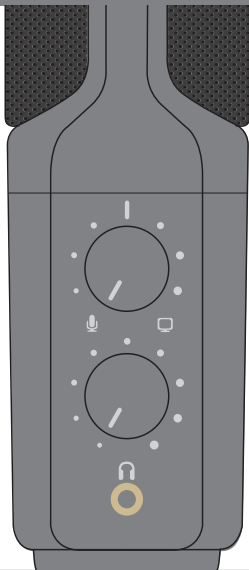
When recording vocals, always use the supplied pop filter, mounted in front of the microphone. The pop filter will prevent plosives (hard 'P', 'B', 'T' and 'K' sounds) from overloading the microphone's capsule.



**Diagram 2 - Adjusting the microphone position**

The gold dot on the face of the NT-USB indicates the front of the microphone, and the pickup area of the capsule. The microphone (and gold dot) should always be facing towards the sound source that you wish to record.

On the side of the NT-USB there are two adjustment knobs.



**Diagram 3 - Monitor mix control and headphone volume control**

## Monitor mix control

The Monitor mix control (the top knob) is used to 'mix' between the direct microphone signal (your voice for example) and the sound from your audio recording software on your computer / device (the music that you are singing along to). By turning the knob counter-clockwise, you will hear more of the direct microphone signal, and less of the signal coming from the computer / device software. If you turn the knob clockwise, you will hear more of the computer/device signal, and less of the direct microphone signal.

We recommend always beginning with the knob in the centre position. This will ensure that you are hearing an equal balance of both the direct signal, and the computer / device signal, enabling you to then achieve an ideal balance between the signals.

## Headphone volume control

The headphone volume control (the bottom knob) allows you to control the volume of the playback through headphones connected to the NT-USB via the headphone jack.

## Recording vocals

We strongly recommend using the supplied pop shield for all vocal recording. This aids in minimising plosive sounds (hard 'P', 'B', 'T' and 'K' sounds) that produce a sudden jet of air which can cause the capsule to overload and produce a 'popping' sound.

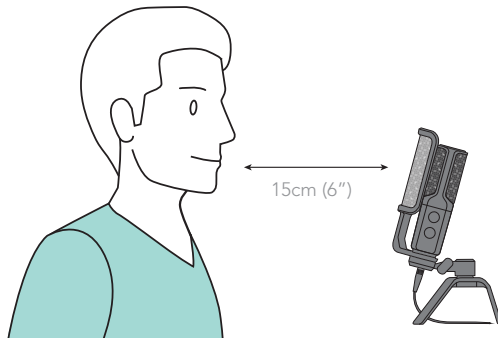
Any moisture on the microphone capsule can cause problems for a condenser microphone such as the NT-USB, however the use of the pop shield will reduce the risk of this occurring.

Placement of the microphone and relative to the vocalist may be varied on several factors including room acoustics, the vocal performance, and whether the vocalist has a high or deep voice.

An ideal reference is to begin with the NT-USB with the pop shield attached, mounted directly in front of the vocalist, approximately 15cm (6") away. The pop shield will assist in keeping the performer at a constant minimum distance from the microphone and helps to maintain reasonable recording levels. Moving the vocalist a little closer will make the vocal sound more intimate and full, while moving the vocalist back will give the vocal a little more 'air' or

room sound, and will reduce the proximity effect (increased bass or low frequency response when the sound source is very close)

Experimentation should be made with the angle from which the microphone is addressed, as different results can be achieved when the vocalist is 'off-axis' to the microphone (and the gold dot).



**Diagram 4 - Positioning the NT-USB for vocals**

### Setting your input level:

The NT-USB has been set to an ideal internal gain setting, without the need for physical level adjustments on the microphone body. Any necessary level adjustments to set the ideal recording level can be made from within your recording program, or via your computer's system preferences.

To adjust your input level from within your recording software, refer to the manual provided by the software developer.

To manually adjust your input level via your computer's system preferences, use the following instructions relevant to your device platform/operating system.

### Adjusting the input level on a Mac OS computer:

1. Click on the Apple symbol at the top left of your screen, and select System Preferences.

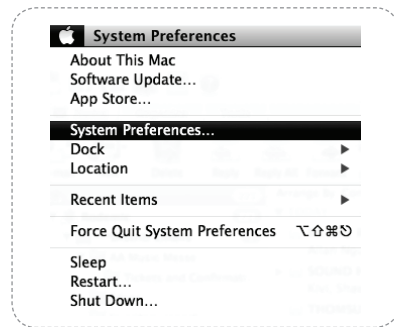


Diagram 5 - Accessing Mac OS System Preferences



2. Click on 'Sound' to open the sound options

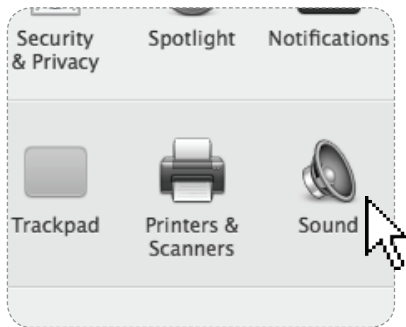


Diagram 6 - Opening 'Sound' options

3. Open the 'Input tab'.

4. From here, select the 'RØDE NT-USB' from the list of devices, and adjust the input level using the slider.

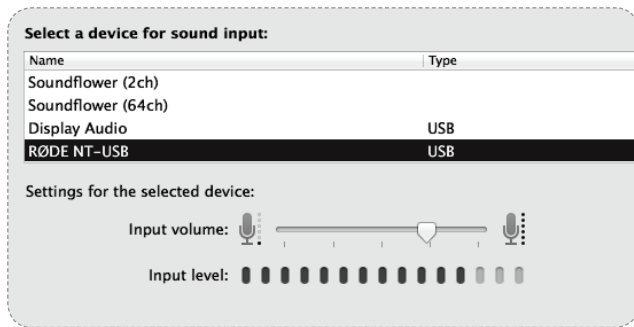


Diagram 7 - Adjusting NT-USB input level

Adjusting the input level on a Windows computer:

1. Open the Start menu and click on 'Control Panel'

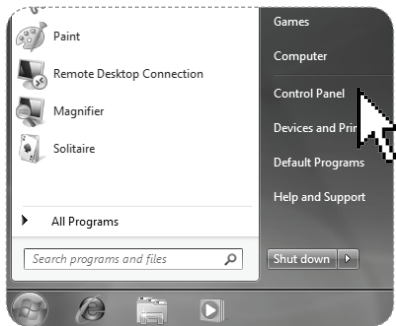


Diagram 8 - Accessing Windows Control Panel

2. Open the 'Sound' preferences from within the Control Panel folder.

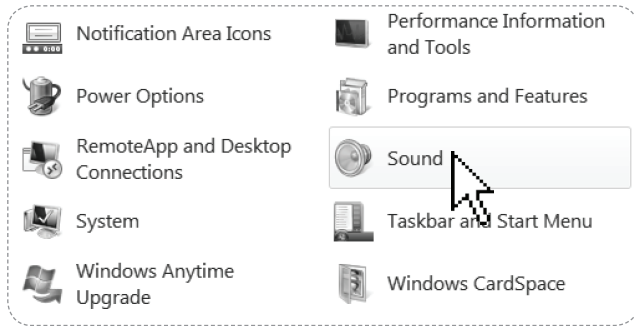


Diagram 9 - Opening 'Sound' options

3. Open the 'Recording' tab and double click on 'RØDE NT-USB' from the list of devices.



Diagram 10 - Selecting the NT-USB input device

4. Adjust the input level using the slider.

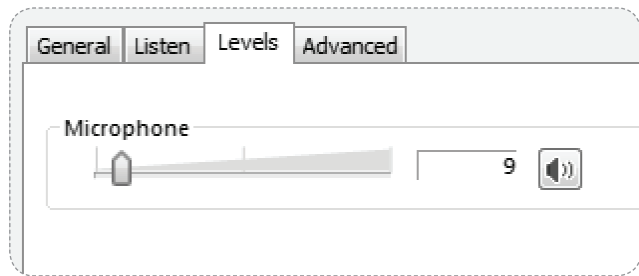


Diagram 11 - Adjusting NT-USB input level

The NT-USB can be used to record with an Apple iPad using the USB Camera Connection Kit applicable to your iPad version (available as an accessory from most Apple retailers).

To record with the NT-USB on an iPad, simply connect the microphone to your iPad via the Camera Connection Kit, and the NT-USB will automatically replace the iPad's internal audio circuitry as the input and output source.

From there, you can record the NT-USB using your preferred application. We recommend using 'RØDE Rec' (RØDE's dedicated audio app), Apple's 'GarageBand' app, or Imagination's 'FL Studio Mobile' app.

After use the NT-USB should be removed from its tripod mount, wiped with a dry, soft cloth and placed in the supplied protective pouch.

Be sure to place the moisture-absorbent crystals (supplied) at the head of the microphone, so as to absorb any moisture present. Eventually this pack of crystals will need to be dried. This is indicated by the crystals turning pink in colour. They can easily be re-used by placing them in an oven at 100 - 150 degrees celsius for approximately ten minutes. The crystals will operate effectively again once they have turned blue.

After using the pop filter we recommend wiping it down with a clean, dry cloth to prevent a build-up of moisture.

If you experience any problem, or have any questions regarding your RØDE microphone, first contact the dealer who sold it to you.

If the microphone requires a factory authorised service, return will be organised by that dealer.

We have an extensive distributor/dealer network, but if you have difficulty getting the advice or assistance you require, please do not hesitate to contact us directly.

Alternatively please visit **[www.rodemic.com/support](http://www.rodemic.com/support)** for contact details and a list of Frequently Asked Questions.

## Importers & distributors

For a full list of international importers and distributors, visit our website at **[www.rodemic.com/distributors](http://www.rodemic.com/distributors)**.

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