

the art of sound
ARTISON®

Nano *one*



Thank you for choosing the Artison Nano One subwoofer. We are pleased that you have selected our high-performance audio product. The following information will guide you through the installation.

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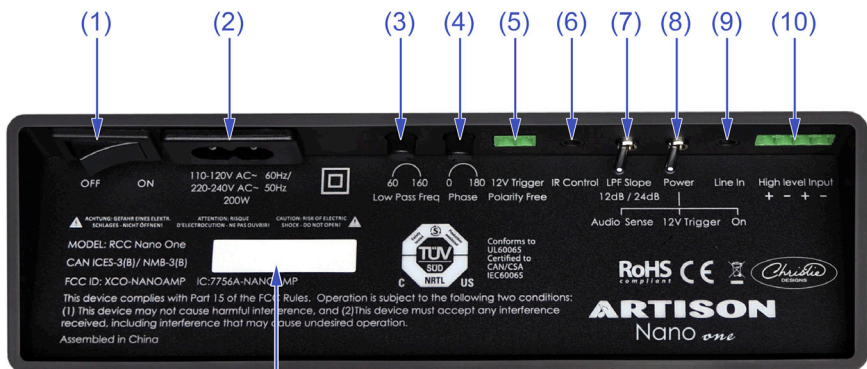
CARTON CONTENTS:

- 1. Nano One Subwoofer
- 1. White Gloves
- 1. Remote Control
- 1. 3.5 mm Minijack to Female RCA
- 2. Phoenix Connectors: 1. 2 Pin, 1. 4 Pin
- 1. Installation Guide
- 1. IEC Power Cord

If you are missing any of these parts or if you need assistance during the installation of your Artison Nano One, please contact Artison’s Customer Service Department during normal business hours, Pacific Time at (775) 783-4770.

INPUT PANEL

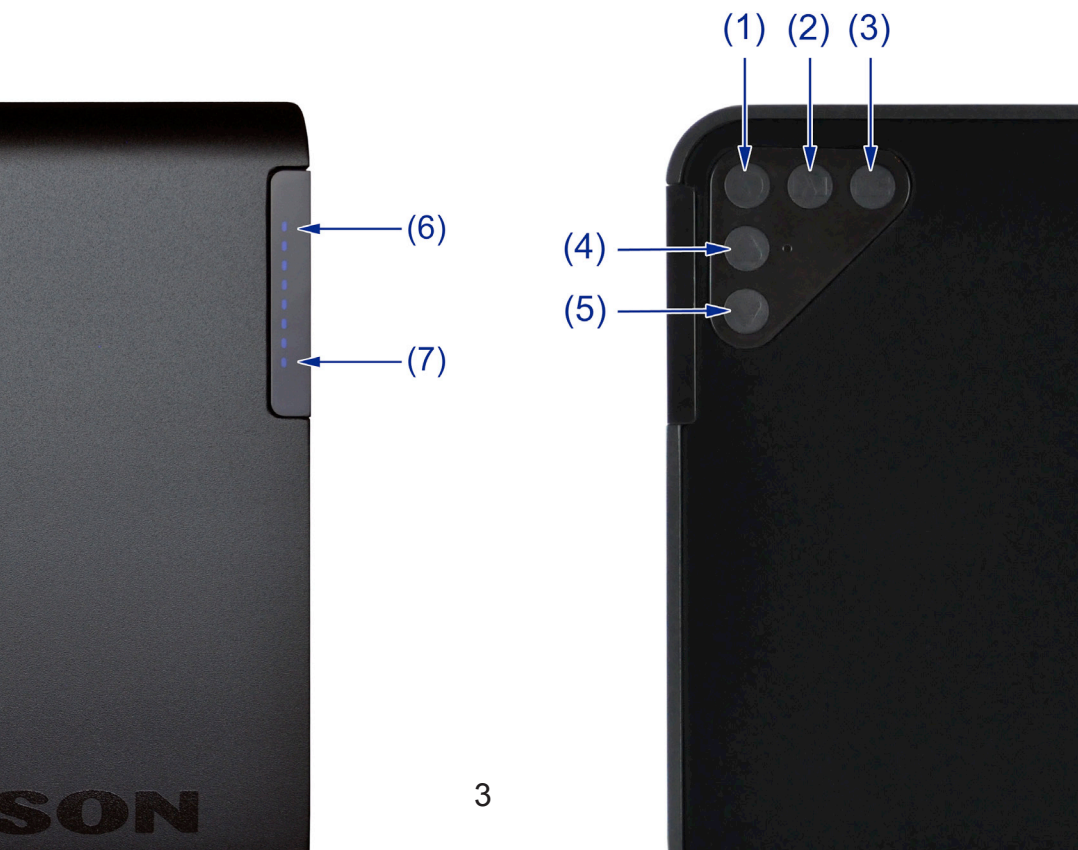
1. **POWER TOGGLE** – Master Power ON / OFF toggle switch.
2. **AC POWER INPUT** – Mains power input. Standard IEC-C8 input accepts standard IEC-C7 connector.
3. **LOW PASS FILTER** – This rotary setting from 60 – 160 Hz adjusts the upper end of the subwoofer's frequency response. This setting is infinitely adjustable in the range. This should be set according to your satellite speaker's specifications. When using a LFE signal, turn this rotary knob all the way to the top setting past 160 Hz, this will bypass the LPF and allow full range input signal. Only use this setting if your electronics has a LFE output.
4. **PHASE CONTROL** – Phase control is used to time-align the output signal from the subwoofer to the other speakers in your system. This setting is best done by ear from the normal listening position listening to both the satellite and subwoofer speakers.
5. **12 VOLT TRIGGER** – Using the 2 pin green phoenix connector, this controls the Nano One's ON / STANDBY setting based on a 12 Volt DC input signal. This connection is polarity free meaning there is no specified positive and negative input.
6. **IR CONTROL** – Using a 3.5 mm Minijack input, this allows an external control system to send IR commands directly to the subwoofer without the need for an external IR emitter.
7. **LPF SLOPE** – The two settings are 12 dB/octave and 24 dB/octave. This adjustment to the Low Pass Filter controls the roll off or slope rate of the upper end of the subwoofer's frequency response. The proper setting depends on your satellite speaker's specifications and personal taste.
8. **POWER ON SETTINGS** – These three settings control how the subwoofer comes in and out of STANDBY:
 - i. Audio Sense – On with active audio signal. STANDBY after ~15 minutes of inactivity.
 - ii. 12 Volt Trigger – On with 12 V Trigger input. See Item #5 above.
 - iii. On – On and Standby with the front button or IR remote
9. **LFE / LINE LEVEL INPUT** – Use this 3.5mm Minijack input for an AVR's LFE / Subwoofer output. Utilize the Female RCA to 3.5mm Minijack adapter included with this product.
10. **HIGH LEVEL INPUT** – Using the 4 pin phoenix connector, connect an amplified Left and Right speaker output to the Nano. Please note the polarity of the markings on this input's label.
11. **SERIAL NUMBER** - Please save this number for future reference.



BUTTON BOARD & LED ARRAY

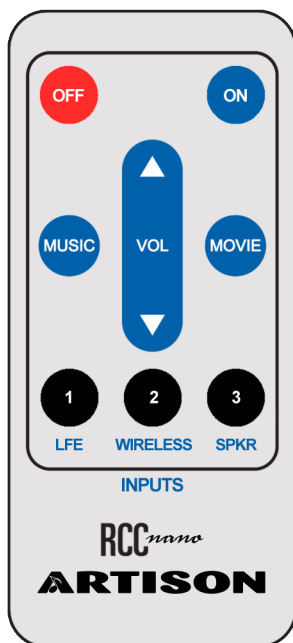
On the upper right side of the subwoofer there are 5 buttons to control the important functions of the subwoofer. The functions are related to the adjacent LED array, they are detailed as follows:

1. **On / Standby** – Toggle between STANDBY and ON. The adjacent LED array will indicate the status:
 - i. STANDBY – Single Red LED, see item 6.
 - ii. ON - Blue or Fuchsia LEDs, indicating current volume level.
2. **Music / Movie EQ** – Toggle between Movie and Music EQ settings. The adjacent LED array will indicate the status:
 - i. Music EQ – Blue LED. Extended low frequency at 0 dB playback level
 - ii. Movie EQ – Fuchsia LED. Increases system gain +6 dB, enhances up per bass range
3. **Input Source Toggle** – Toggle between the 3 input sources with feedback on LED array (see item 7):
 - i. Input 1 – LFE / Line Level – One flash of bottom LED
 - ii. Input 2 – Wireless – Two flashes of bottom LED
 - iii. Input 3 – High Level – Three flashes of bottom LED
4. **Volume UP** – Tap for single steps in volume adjustment, press and hold for Multiple steps.
5. **Volume DOWN** – Tap for single steps in volume adjustment, press and hold for multiple steps.



REMOTE CONTROL FUNCTIONS

1. **ON** – Power ON. Blue or Fuchsia LED indicating volume level.
2. **OFF** – STANDBY. Single Red LED.
3. **Music EQ** – Blue LEDs. Extended low frequency at 0 dB level.
4. **Movie EQ** – Fuchsia LEDs. Increases system gain +6 dB, enhances upper bass range.
5. **Input #1** – LFE / Line Level – One flash of bottom LED.
6. **Input #2** – Wireless – Two flashes of bottom LED.
7. **Input #3** – Speaker / High Level – Three flashes of bottom LED.
8. **Volume UP** – Tap for single steps in volume adjustment, press and hold for multiple steps.
9. **Volume DOWN** – Tap for single steps in volume adjustment, press and hold for multiple steps.



WIRELESS TRANSMITTER

1. **PAIR** – Use to connect to your subwoofers built in wireless receiver.
2. **LFE** – Line Level or LFE input for the wireless transmitter. Utilize the RCA to Minijack adapter included with the Nano One.
3. **MINI USB** – Connect the USB wire and AC power adapter included with the transmitter.

PAIRING PROCEDURE

1. First turn the power off to the Nano One subwoofers you would like to pair with the hard switch on the bottom panel.
2. Plug in the Wireless Transmitter to USB power, and signal input.
3. Press and Hold the pairing button for ~3 seconds. The Blue LED on the front of the transmitter will blink rapidly.
4. Turn on the Nano One subwoofer. The transmitter blue LED will be solid when all pairing is complete; this could take ~30 seconds.



FAQ

1. Why does the NANO take so long to turn on?
 - a. NANO has a microprocessor, the system's software takes about 30 seconds to initialize, select the input and start making sound.
2. Which side of the NANO is the front?
 - a. The front of the aluminum cabinet has the ARTISON logo.
3. How do I know where the volume setting is or what mode I am in?
 - a. Looking at the front of the aluminum cabinet, in the upper right hand corner there is a vertical array of LED's that give you a visual indication.
 - i. A Single Red LED on the bottom means the unit is in Standby.
 - ii. BLUE LEDs tell you the following: MUSIC EQ Mode, Volume Level.
 - iii. Fuchsia LEDs tell you the following: MOVIE EQ Mode, Volume Level.
 - iv. The LED brightness will decrease after inactive period of a few seconds.
4. The volume control is too sensitive why does it change so quickly?
 - a. The volume control is programmed with a PRESS & HOLD function to quickly ramp the volume up or down.
 - b. The volume control will change slower with a single up or down button push. These volume steps do not correlate to the individual LEDs shown. There are more than one volume step per LED shown.
5. How do I know what source I am on?
 - a. When NANO first initializes the bottom LED will flash according to this information.
 - i. 1 Flash = Source #1: Line In
 - ii. 2 Flashes = Source #2: Wireless Transmitter
 - iii. 3 Flashes = Source #3: Speaker Level Input
6. How many separate sources does NANO accept?
 - a. NANO can accept up to three inputs simultaneously. These inputs are managed with the IR Remote or the Button Board on the side of the cabinet. The three sources are listed here:
 - i. Source #1: Line In
 - ii. Source #2: Wireless Transmitter
 - iii. Source #3: Speaker Level Input
7. When I switch sources it takes a few seconds, is this normal?
 - a. Source switching is variable and can take 3-4 seconds to complete. Watch the LED status array for feedback; once the flashing indication has stopped the source should be active.
8. Are the different subwoofer inputs calibrated to the same input sensitivity?
 - a. Yes. All three inputs of the NANO are calibrated to the same level.
9. Where in the room should I place the NANO for best performance?
 - a. NANO works best placed against a wall or in a corner. Optimal placement will depend upon your specific room acoustics.
 - b. Keep the NANO within ~12 ft. of the front channels for best integration with your satellite speakers.
10. What is the range of the wireless transmitter?
 - a. Typical range is ~30 ft. room to room, and ~50 ft. line of sight.
11. How do I utilize the LFE input with an AVR's LFE output?
 - a. Simply rotate the Low Pass Filter knob on the Nano clockwise to 160 Hz. This removes the LPF on the Nano and allows for a true LFE input.
 - b. Turning the LPF Knob slightly back counter-clockwise will reactivate the LPF again.

LIMITED WARRANTY

This warranty remains in effect for two years from the date of purchase for speaker products and one year for electronic products.

THIS WARRANTY PROTECTS THE ORIGINAL OWNER PROVIDING THAT THE PRODUCT HAS BEEN PURCHASED FROM AN AUTHORIZED ARTISON DEALER IN THE UNITED STATES. THE ORIGINAL BILL OF SALE MUST BE PRESENTED WHENEVER WARRANTY SERVICE IS REQUIRED. FOR WARRANTY SERVICE OUTSIDE THE UNITED STATES, CONTACT THE AUTHORIZED ARTISON DISTRIBUTOR IN THE COUNTRY WHERE THE PRODUCT WAS PURCHASED.

Except as specified below, this warranty covers all defects in material and workmanship. The following are not covered: Damage caused by accident, misuse, abuse, product modification or neglect, damage occurring during shipment, damage from failure to follow instructions contained in the Owner's Manual, damage resulting from the performance of repairs by someone not authorized by Artison, or any claims based on misrepresentations by the seller. This warranty does not cover incidental or consequential damages. It does not cover the cost of removing or reinstalling the unit. THIS WARRANTY IS VOID IF THE SERIAL NUMBER HAS BEEN REMOVED OR DEFACED, OR IS PURCHASED FROM AN UNAUTHORIZED DEALER ON THE INTERNET (WORLD WIDE WEB), MAIL ORDER, 800, 888, 877 TELEPHONE NUMBERS OR THROUGH A CATALOG.

This warranty gives you specific legal rights. You may also have other rights, which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above may not apply to you.

Please make note of the following information and retain for your record.

Product Name _____ Model Number _____
Store Name _____ Purchase Price _____

HOW TO OBTAIN SERVICE

Please call us at (775) 783-4770, or write to: ARTISON (Attention: Customer Service Department), 2231 Meridian Blvd., Suite 1, Minden, NV 89423.

We will promptly advise you of what action to take. We may direct you to an authorized Artison Service Center or ask you to send your speaker to the factory for repair. You will need to present the original bill of sale to establish the date of purchase. PLEASE DO NOT SHIP YOUR ARTISON PRODUCT TO THE FACTORY FOR REPAIR WITHOUT PRIOR AUTHORIZATION. ANY PRODUCT RETURNED WITHOUT AUTHORIZATION WILL BE REFUSED. You are responsible for transporting your product for repair and for payment of any initial shipping charges. However, we will pay the return shipping charges if the repairs are covered under warranty.

STATEMENTS

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.

Cet appareil est conforme à la section 15 des réglementations de la FCC. Le fonctionnement de l'appareil est sujet aux deux conditions suivantes :

- (1) cet appareil ne doit pas provoquer d'interférences néfastes, et
- (2) cet appareil doit tolérer les interférences reçues, y compris celles qui risquent de provoquer un fonctionnement indésirable.

Note: This product 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 product 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 product 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.

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment should be installed and operated with a minimum distance 20cm between the radiator and your body

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

Conformément à la réglementation d'Industrie Canada, le présent émetteur radio peut fonctionner avec une antenne d'un type et d'un gain maximal (ou inférieur) approuvé pour l'émetteur par Industrie Canada. Dans le but de réduire les risques de brouillage radioélectrique à l'intention des autres utilisateurs, il faut choisir le type d'antenne et son gain de sorte que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne dépasse pas l'intensité nécessaire à l'établissement d'une communication satisfaisante.

IMPORTANT SAFETY INFORMATION

1. Read these instructions.
2. Keep these instructions.
3. Heed all warning.
4. Follow all instructions
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or object have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING:

To reduced the risk of fire or electric shock, do not expose this apparatus to rain or moisture

The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

POWER CONSUMPTION

- Power consumption of the ARTISON RCC NANO ONE product in standby and OFF modes.
- STANDBY: 0.49 W
- OFF: No power consumption
- Power Consumption utilizing Wireless Input
- STANDBY: <3 W
- OFF: No power consumption



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