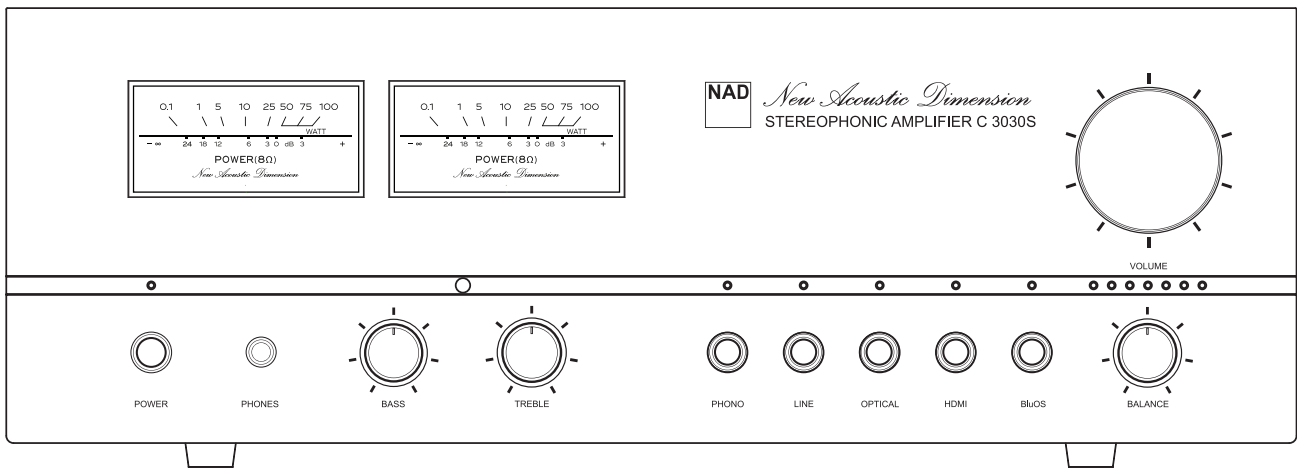





C 3030S

Stereophonic Amplifier



Owner's Manual

IMPORTANT SAFETY INSTRUCTIONS

- **Read instructions** - All the safety and operating instructions should be read before the product is operated.
- **Retain instructions** - The safety and operating instructions should be retained for future reference.
- **Heed Warnings** - All warnings on the product and in the operating instructions should be adhered to.
- **Follow Instructions** - All operating and use instructions should be followed.
- **Cleaning** - Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.
- **Attachments** - Do not use attachments not recommended by the product manufacturer as they may cause hazards.
- **Water and Moisture** - Do not use this product near water-for example, near a bath tub, wash bowl, kitchen sink, or laundry tub; in a wet basement; or near a swimming pool; and the like.
- **Accessories** - Do not place this product on an unstable cart, stand, tripod, bracket, or table. The product may fall, causing serious injury to a child or adult and serious damage to the product. Use only with a cart, stand, tripod, bracket, or table recommended by the manufacturer, or sold with the product. Any mounting of the product should follow the manufacturer's instructions, and should use a mounting accessory recommended by the manufacturer.
-  **Cart** - A product and cart combination should be moved with care. Quick stops, excessive force, and uneven surfaces may cause the product and cart combination to overturn.
- **Ventilation** - Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the product and to protect it from overheating. These openings must not be blocked or covered. The openings should never be blocked by placing the product on a bed, sofa, rug, or other similar surface. This product should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.
- **Power Sources** - This product should be operated only from the type of power source indicated on the marking label and connected to a MAINS socket outlet with a protective earthing connection. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.
- **Power-Cord Protection** - Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the product.
- **Mains Plug** - Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
- **Outdoor Antenna Grounding** - If an outside antenna or cable system is connected to the product, be sure the antenna or cable system is grounded so as to provide some protection against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to proper grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding conductors, location of antenna discharge unit, connection to grounding electrodes, and requirements for the grounding electrode.
- **Lightning** - For added protection for this product during a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the product due to lightning and power-line surges.
- **Power Lines** - An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits, or where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.
- **Overloading** - Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
- **Flame Sources** - No naked flame sources, such as lighted candles, should be placed on the product.
- **Object and Liquid Entry** - Never push objects of any kind into this product through openings as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.
- **Headphones** - Excessive sound pressure from earphones and headphones can cause hearing loss.
- **Damage Requiring Service** - Unplug this product from the wall outlet and refer servicing to qualified service personnel under the following conditions:
 - When the power-supply cord or plug is damaged.
 - If liquid has been spilled, or objects have fallen into the product.
 - If the product has been exposed to rain or water.
 - If the product does not operate normally by following the operating instructions. Adjust only those controls that are covered by the operating instructions as an improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the product to its normal operation.
 - If the product has been dropped or damaged in any way.
 - When the product exhibits a distinct change in performance-this indicates a need for service.
- **Replacement Parts** - When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
- **Battery Disposal** - When disposing of used batteries, please comply with governmental regulations or environmental public instruction's rules that apply in your country or area.
- **Safety Check** - Upon completion of any service or repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
- **Wall or Ceiling Mounting** - The product should be mounted to a wall or ceiling only as recommended by the manufacturer.

WARNING



THE LIGHTNING FLASH WITH ARROWHEAD SYMBOL, WITHIN AN EQUILATERAL TRIANGLE, IS INTENDED TO ALERT THE USER TO THE PRESENCE OF UNINSULATED "DANGEROUS VOLTAGE" WITHIN THE PRODUCT'S ENCLOSURE THAT MAY BE OF SUFFICIENT MAGNITUDE TO CONSTITUTE A RISK OF ELECTRIC SHOCK TO PERSONS



THE EXCLAMATION POINT WITHIN AN EQUILATERAL TRIANGLE IS INTENDED TO ALERT THE USER TO THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE LITERATURE ACCOMPANYING THE APPLIANCE.



WARNING : SHOCK HAZARD - DO NOT OPEN
ATTENTION : RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRI

CAUTION REGARDING PLACEMENT

To maintain proper ventilation, be sure to leave a space around the unit (from the largest outer dimensions including projections) than is equal to, or greater than shown below.

Left and Right Panels: 10 cm

Rear Panel: 10 cm

Top Panel: 10 cm

FCC STATEMENT

This equipment has been tested and found to comply with the limits for 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.

CAUTION

- Changes or modifications to this equipment not expressly approved by NAD Electronics for compliance could void the user's authority to operate this equipment.
- This device complies with Part 15 of the FCC Rules / Industry Canada licence-exempt RSS standard(s). 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.
- 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.
- To prevent electric shock, match wide blade of plug to wide slot, fully insert.
- Marking and rating plate can be found at the rear panel of the apparatus.
- To reduce 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 apparatus.
- Mains plug is used as disconnect device and it should remain readily operable during intended use. In order to disconnect the apparatus from the mains completely, the mains plug should be disconnected from the mains socket outlet completely.
- Battery shall not be exposed to excessive heat such as sunshine, fire or the like.
- Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.
- An appliance with a protective earth terminal should be connected to a mains outlet with a protective earth connection.

MPE REMINDER

To satisfy FCC/IC RF exposure requirements, a separation distance of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance is not recommended.

IF IN DOUBT CONSULT A COMPETENT ELECTRICIAN.



This product is manufactured to comply with the radio interference requirements of EEC DIRECTIVE 2004/108/EC.

NOTES ON ENVIRONMENTAL PROTECTION



At the end of its useful life, this product must not be disposed of with regular household waste but must be returned to a collection point for the recycling of electrical and electronic equipment. The symbol on the product, user's manual and packaging point this out.



The materials can be reused in accordance with their markings.

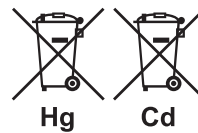
Through re-use, recycling of raw materials, or other forms of recycling of old products, you are making an important contribution to the protection of our environment.

Your local administrative office can advise you of the responsible waste disposal point.

INFORMATION ABOUT COLLECTION AND DISPOSAL OF WASTE BATTERIES (DIRECTIVE 2006/66/EC OF THE EUROPEAN PARLIAMENT AND THE COUNCIL OF EUROPEAN UNION) (FOR EUROPEAN CUSTOMERS ONLY)



Batteries bearing any of these symbols indicate that they should be treated as "separate collection" and not as municipal waste. It is encouraged that necessary measures are implemented to maximize the separate collection of waste batteries and to minimize the disposal of batteries as mixed municipal waste.



End-users are exhorted not to dispose waste batteries as unsorted municipal waste. In order to achieve a high level of recycling waste batteries, discard waste batteries separately and properly through an accessible collection

point in your vicinity. For more information about collection and recycling of waste batteries, please contact your local municipality, your waste disposal service or the point of sale where you purchased the items.

By ensuring compliance and conformance to proper disposal of waste batteries, potential hazardous effects on human health is prevented and the negative impact of batteries and waste batteries on the environment is minimized, thus contributing to the protection, preservation and quality improvement of the environment.

INTRODUCTION

GETTING STARTED

WHAT'S IN THE BOX

Packed with your C 3030S you will find

- Two detachable mains power cord
- BC1 remote control with 2 (two) AAA batteries
- Bluetooth and WiFi antennas
- Important Safety Instruction sheet
- Quick Setup Guide

SAVE THE PACKAGING

Please keep the box and all original packing materials that came with your C 3030S. If you need to move or transport your C 3030S, this packaging provides the safest and most secure way to do so. We have seen many perfectly good components damaged simply because they were not shipped in their proper packaging — so please, hold on to that box!

CHOOSING A LOCATION

Select a well-ventilated area with at least several inches of clearance on both sides and behind the unit. Ensure a clear line of sight—within 25 feet (8 meters)—between the C 3030S front panel and your primary listening or viewing position for reliable infrared remote control operation.

NOTES ON INSTALLATION

- Place your C 3030S on a firm, level surface.
- Avoid placing the unit in direct sunlight or near sources of heat and damp.
- Do not place the unit on a soft surface like a carpet.
- Allow adequate ventilation.
- Make sure the unit is switched off before making any connections.
- Use high quality leads and sockets for optimum performance and reliability.
- Ensure that leads and sockets are not damaged in any way and all sockets are firmly pushed home.
- Should water get into your C 3030S, shut off the power to the unit and remove the plug from the AC socket. Have the unit inspected by a qualified service technician before attempting to use it again.
- Use a dry soft cloth to clean the unit. If necessary, lightly dampen the cloth with soapy water. Do not use solutions containing benzol or other volatile agents.

DO NOT REMOVE THE COVER. THERE ARE NO USER-SERVICEABLE PARTS INSIDE.

BARE WIRES AND PIN CONNECTORS



WARNING: The terminals marked with this symbol are hazardous live. External wiring connected to these terminals requires installation by an instructed person or the use of ready-made leads or cords

FACTORY RESET

A factory reset is recommended in the unlikely event that your C 3030S malfunctions or becomes unresponsive.

The C 3030S can be reset or restored to its factory default settings by following the procedure outlined below.

- 1 With the C 3030S in either Standby or Operating mode, press and hold the rear panel RESET button until the POWER LED indicator begins blinking green. Release hold of the RESET button.
- 2 The POWER LED indicator will continue to blink green intermittently.
- 3 The factory reset is complete when the POWER LED indicator turns solid amber, and the unit enters standby mode.

INITIAL SETUP AND AUTOMATIC FIRMWARE UPDATE

Upon unboxing the C 3030S, connect the Bluetooth and Wi-Fi antennas to their corresponding rear-panel terminals. Once the antennas are securely installed, initiate either a wireless network configuration or establish a wired Ethernet connection to ensure the unit is updated to the latest firmware from the outset.

WIRELESS CONNECTION

If you set up a wireless connection (refer to **NETWORK SETUP** section), the network configuration process will proceed automatically. As the setup advances, the C 3030S will automatically enter **Looking for Upgrade** mode. If a firmware update is available, it will be downloaded and installed automatically.

WIRED CONNECTION

If a wired Ethernet connection is established, the C 3030S will appear in the BluOS App with the status **"NEEDS SETUP"**. Select the C 3030S from the **Players** section to initiate the setup process. The unit will automatically enter **Looking for Upgrade mode**, and if a firmware update is available, it will be installed automatically.

IMPORTANT NOTES ABOUT FIRMWARE UPGRADE PROCESS

- 1 When a firmware upgrade is initiated, allow sufficient time for the installation to complete. Do not interrupt the process.
- 2 Monitor the upgrade progress using the BluOS App.
- 3 Allow the firmware update to finish fully without interruption.
- 4 If the upgrade process is interrupted (for example, due to disconnection or power loss), restart the C 3030S.
- 5 Restart the firmware upgrade by either:
 - Initiating network setup, or
 - Selecting the C 3030S in the BluOS App if a network connection is already established.
- 6 To manually check for an available firmware update, go to **Help** → **Upgrade Check Player** in the BluOS App. A Player Notification will appear if a firmware update is available.

NETWORK SETUP

Connect your C 3030S to your home network via **Wired** or **Wireless** connection.

A. WIRED CONNECTION

Using an Ethernet cable (not supplied), connect one end to C 3030S LAN port and the other end directly to your home network or router.

B. WIRELESS CONNECTION

Connect C 3030S to your wireless network using any of the following four methods.

- 1 Wireless Accessory Configuration (WAC) using iOS/iPadOS device
- 2 Using iOS/iPadOS device
- 3 Using Android device

Condition: C 3030S must be at hot spot mode. C 3030S default setting is at hot spot mode.

IMPORTANT!

- *The following procedures may change over time without notice. Always check the C 3030S product page for the latest updates.*
- *The BluOS app for iOS and Android devices, as well as for Windows and macOS desktops, can be downloaded from their respective application stores and also from BluOS downloads at <https://bluos.io/downloads>.*

1 WIRELESS ACCESSORY CONFIGURATION (WAC) USING iOS/iPadOS DEVICE

Wireless Accessory Configuration (WAC) setup mode is supported by iOS/iPadOS application. At WAC setup mode, network name and password are not required for the C 3030S to be connected to your network.

- a Select **Settings** menu of your iOS/iPadOS device.
- b Go to **Wi-Fi** and select the network you would like to use with your C 3030S.
- c Scroll down to **SETUP NEW AIRPLAY SPEAKER**. Select your C 3030S player indicated by **C 3030S-xxxx** where **xxxx** corresponds to the last 4 digits of the MAC (Media Access Control) address* of your C 3030S.
- d When **AirPlay Setup** screen comes up, select **Next**. Note that you can also customize the name of your C 3030S by entering desired name in the line item **Speaker Name**.
- e Airplay Setup will proceed automatically. Follow setup process until **Setup Complete** is shown. Select **Done** to exit setup mode.

2 USING iOS/iPadOS DEVICE

- a Open BluOS App. Select **Players** icon in the bottom portion of the App.
- b From upper right corner of the App, select **+** to launch Easy Setup Wizard.
- c From **My Players** screen prompt, select your C 3030S unique network ID* under **Needs Setup**.
- d When **AirPlay Setup** screen comes up, select **Next**. Note that you can also customize the name of your C 3030S by entering desired name in the line item **Speaker Name**.
- e Airplay Setup will proceed automatically. Follow setup process until **Setup Complete** is shown. Select **Done**.
- f C 3030S will automatically enter **Looking for Upgrade** mode. If a firmware upgrade is available, it will be installed automatically. Once the upgrade is finished, select **Finish** to exit setup mode.

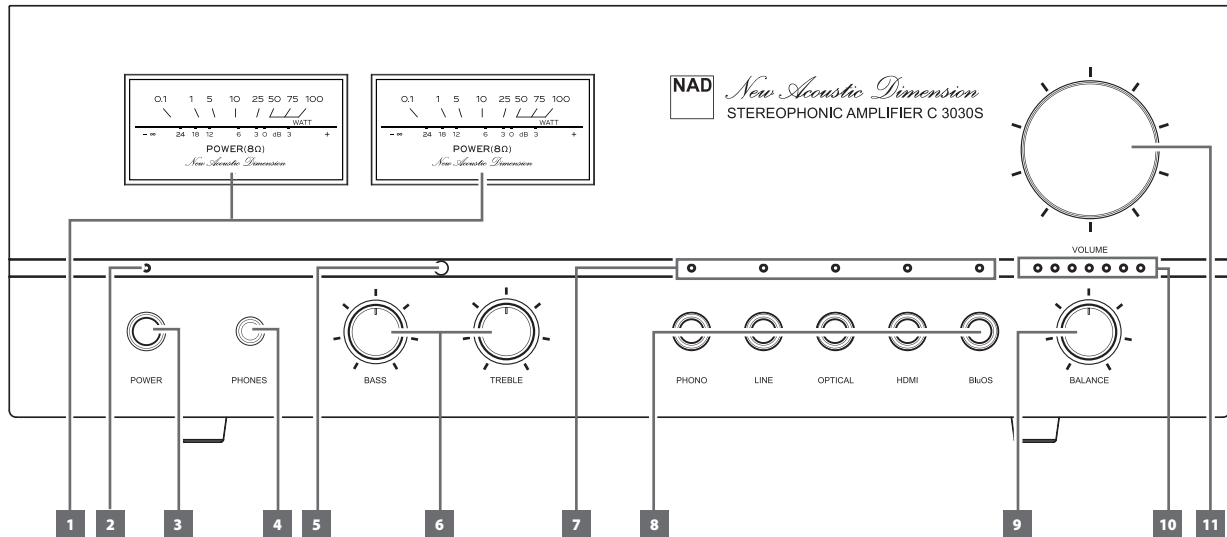
*The C 3030S unique network ID is listed as the product name (i.e., C 3030S) immediately followed by the last four digits in the MAC (Media Access Control) address (example: C 3030S-0016).

3 USING ANDROID DEVICE

- a Open BluOS App.
- b BluOS will automatically search for available players.
 - i A prompt will appear indicating **New Players detected**.
 - ii Select **Setup now**. The available players will be listed under **My Players**. Choose the C 3030S (identified by its unique network ID*) marked **NEEDS SETUP**.
 - iii Follow the on-screen instructions to complete the wireless network connection.
- c If not prompted, select **Players** icon in the bottom portion of the BluOS App.
 - i From upper right corner of the BluOS App, select **+** to launch Easy Setup Wizard. The app will begin **Looking for Players**.
 - ii Select the unique network ID* of your C 3030S from the **My Players** window.
 - iii Select your Home Wi-Fi Network from the **Choose WiFi Network** drop down menu.
 - iii Enter your home network's Wi-Fi **Password** in the field provided and select **Continue**.
 - iv Select or enter preferred **Name** to customize your C 3030S for easier identification in the Player Drawer. Select **Continue**.
 - v Network setup process proceeds automatically. As it advances, it will automatically enter **Looking for Upgrade** mode. If a firmware upgrade is available, it will be installed automatically.
 - vi Network setup process is completed when **Setup Complete** is shown in the App. Select **Finish** to exit the setup process.

IDENTIFICATION OF CONTROLS

FRONT PANEL



1 NAD VU METER

- The C 3030S is equipped with a pair of Power meters that monitor the Input Signal or Speaker Output levels.
- Both Power meters are calibrated in Watts and dB (decibel) that corresponds to an 8-ohm load.
- Refer also to item about VU METER in the IDENTIFICATION OF CONTROLS – REAR PANEL.

2 POWER LED INDICATOR

- This indicator will light up amber when the C 3030S is at standby mode.
- When the C 3030S is powered up from standby mode, this indicator will illuminate green.
- In cases of serious abuse of the C 3030S, such as excessively low speaker impedance and short circuit, the C 3030S will engage its Protection circuitry, indicated by the Power LED indicator turning from green to red and the sound being muted.

In such Protection circuit scenario, turn OFF the C 3030S via the rear panel POWER switch. Wait for it to cool down and/or check the speaker connections. Once the cause for the protection circuitry to engage has been removed, switch ON the rear panel POWER switch. Then, press the front panel POWER button to resume normal operation.

The Power LED also serves as the blink code indicator for configuring the following features.

Refer to the **OPERATION – FEATURES** section for descriptions of the features listed in the table below.

FEATURE	SETUP	POWER LED INDICATOR	DEFAULT SETTING
Auto Sense	Press and hold POWER button for 10 – 15 seconds and release	Enable: blink amber x 3 times Disable: blink amber x 2 times	Enabled
Network Standby mode	Press and hold POWER button for 15 – 20 seconds and release	Enable: blink amber x 3 times Disable: blink amber x 2 times	Enabled
Source Volume Control Level	Press and hold POWER button for 20 – 25 seconds and release	Enable: blink amber x 3 times Disable: blink amber x 2 times	Disabled

FEATURE	SETUP	POWER LED INDICATOR	DEFAULT SETTING
Bluetooth Auto-reconnect	Press and hold BluOS source input button for 10 – 15 seconds and release	Enable: blink amber x 3 times Disable: blink amber x 2 times	Disabled
Bluetooth Pairing mode	Press and hold BluOS button for 15 – 20 seconds and release	Enable: blink amber x 3 times Disable: blink amber x 2 times	Disabled

3 POWER BUTTON

- With the rear panel POWER switch set to the ON position, press the Power button to switch the C 3030S from standby mode to operating mode.
 - The POWER LED indicator will change from amber to green.
 - The NAD VU meter will illuminate, transitioning from amber to white with a yellow background.
- The C 3030S is ready for operation when the NAD VU meter displays white with a yellow background.
- To return the unit to standby mode, press the Power button again:
 - The POWER LED will change from green to amber color.
 - The NAD VU meter will turn off.
- Pressing any Source Input Selector button will also power up the C 3030S from standby mode.
- The Power button will not activate the C 3030S if the rear panel POWER switch is set to OFF.

NOTES

Conditions for the Power button to function:

- Connect the plug of the supplied power cord to a mains power outlet and ensure the other end is firmly connected to the C 3030S AC Mains input socket.
- The rear panel POWER switch must be set to ON.

4 PHONES

- A 1/4" stereo jack socket is supplied for headphone listening and will work with conventional headphones of any impedance.
- Inserting a headphone plug into this socket automatically disables output to SPEAKER and SUBWOOFER output.
- The volume, tone and balance controls are operative for headphone listening.
- Use a suitable adapter to connect headphones with other types of sockets, such as 3.5mm "personal stereo" jack plugs.

NOTES

- Before connecting or disconnecting headphones, ensure the volume control is set to minimum (fully counterclockwise, with the Volume Level LED indicators in amber color only).
- Listening at high volume levels can cause hearing damage.

5 REMOTE SENSOR

- Point the BC1 remote control toward the remote sensor and press the desired buttons.
- Avoid exposing the C 3030S remote sensor to strong light sources such as direct sunlight or intense illumination, as this may interfere with remote control operation.

Distance: Up to 23 ft (7 m) from the front of the remote sensor.

Angle: Approximately 30° to either side of the remote sensor.

6 TONE CONTROLS

- The C 3030S is equipped with BASS and TREBLE controls to fine-tune the tonal balance of your system. The 12 o'clock position is "flat" with no boost or cut, and an indent indicates this position.
- Rotate the tone control:
 - Clockwise → Increase Bass or Treble level
 - Counterclockwise → Decrease Bass or Treble level

7 SOURCE INPUT LED INDICATORS

- When a source input is selected, the corresponding LED indicator located above the respective source input button lights up green—except for BluOS, which lights up blue.

NOTE

A blinking blue BluOS LED indicator indicates that the C3030S is in Bluetooth pairing mode.

8 SOURCE INPUT SELECTOR

- These buttons select the active source input for the C 3030S and determine the signal sent to the SPEAKER and headphones.
- Select the desired source from the options below:

PHONO: Turntable connected to PHONO input

LINE: Line-level source connected to LINE input

OPTICAL: Digital optical source connected to OPTICAL input

HDMI: HDMI source connected to HDMI eARC

BluOS: Toggle to switch between BluOS and Bluetooth source

- Pressing any Source Input Selector button will also power up the C 3030S from network standby mode.

9 BALANCE

- The BALANCE control adjusts the relative levels of the left and right speakers. The 12 o'clock position provides equal level to the left and right channels. A detent indicates this position.
- Rotating the control clockwise moves the balance towards the right. Rotating the control counterclockwise moves the balance to the left.

10 VOLUME LEVEL LED INDICATORS

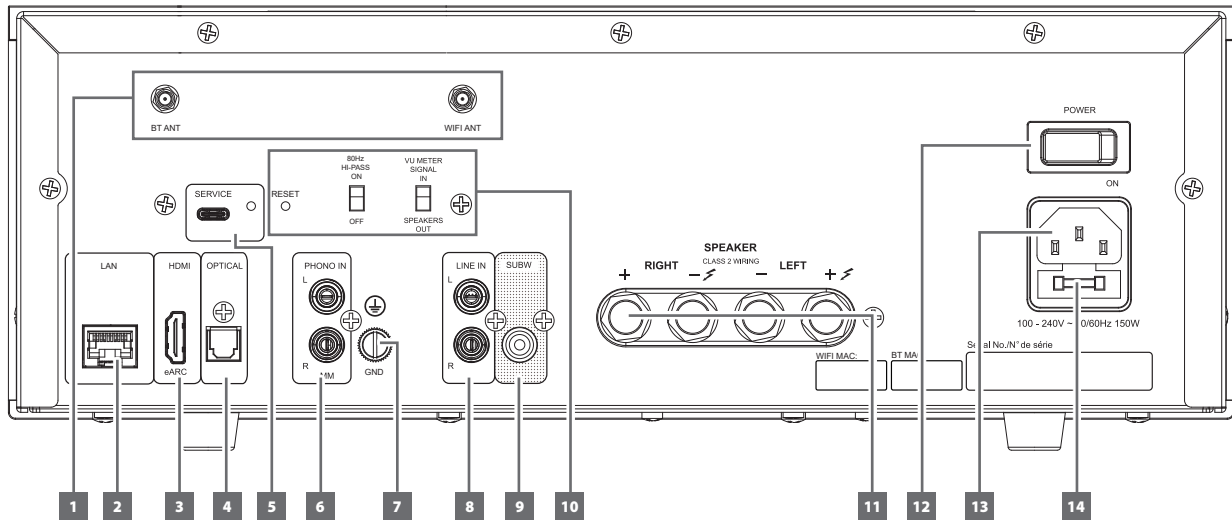
- This series of LEDs light up sequentially as the volume level increases and turn off one by one as the volume level decreases.
- A single amber LED indicates minimum volume level.

11 VOLUME

- The VOLUME control adjusts the overall loudness of the signal sent to the speakers, subwoofer and headphones.
- The Volume control is characterized by perfect signal tracking and channel balance. It provides a highly linear and low noise operation.
- Turn clockwise to increase the volume level and counterclockwise to lower it.

IDENTIFICATION OF CONTROLS

REAR PANEL



ATTENTION!

Ensure the C 3030S is powered off or unplugged from the mains power source before making any connections. It is also advisable to power down or unplug all associated components while making or breaking any signal or AC power connections.

1 BT AND WIFI ANTENNA TERMINALS

- Connect one of the supplied antennas to the BT antenna terminal and the other to the WIFI antenna terminal.

2 LAN

- LAN connection must be setup for wired connection to be established. Use a standard Ethernet cable (not supplied) to connect the C 3030S LAN port to your router or network switch.
- DHCP must be supported by the router to assign an IP address to C 3030S.

NOTES

- NAD is not responsible for any malfunction of the C 3030S and/or the internet connection due to communication errors or malfunctions associated with your broadband internet connection or other connected equipment. Contact your Internet Service Provider (ISP) for assistance or the service bureau of your other equipment.
- Contact your ISP for policies, charges, content restrictions, service limitations, bandwidth, repair and other related issues pertinent to internet connectivity.

3 HDMI eARC

- Connect the C 3030S to a TV that supports HDMI Control (CEC) and Enhanced Audio Return Channel (eARC).
- HDMI CEC and eARC features work when all connected devices support these functions and are linked via HDMI.
- Use an Ultra High-Speed HDMI cable with the official certification label for maximum bandwidth and high-bitrate audio formats.
- Once the eARC connection is established, the C 3030S will output audio from the TV.

IMPORTANT

- Set the audio format of all eARC-connected devices to PCM only.
- The HDMI eARC port on the C 3030S supports audio output from the TV only; it does not provide video output.

4 OPTICAL

- Connect to the optical digital output of compatible sources such as CD players, streamers, digital cable box, digital tuners and other applicable devices.

5 SERVICE

- This port is intended for service purposes only. It is not for customer use.

6 PHONO IN (MM)

- Input for a Moving Magnet (MM) phono cartridge only.
- Connect the RCA cables from your turntable to this input if using an MM cartridge.
- If your turntable has a ground/earth lead, connect it to GND (Ground Terminal).

7 GND (GROUND TERMINAL)

- Connect the C 3030S to a grounded AC wall outlet.
- If necessary, use this ground terminal to connect to ground a phono or turntable source for PHONO input.
- If additional grounding is required, use this terminal to ground your C 3030S. Connect a ground lead wire or similar conductor to the terminal, then tighten it to secure the connection.

8 LINE IN

- Input for line level sources such as CD player, tuner or any compatible devices. Use dual RCA-to-RCA cable to connect the source device's left and right "Audio Output" to this line input port.

9 SUBW (SUBWOOFER)

- Connect SUBW to the low-level input of corresponding powered subwoofer.
- Full range output signal is sent to the connected subwoofer.

10 RESET, 80 Hz HI-PASS ON/OFF, VU METER SIGNAL IN-SPEAKERS**OUT****RESET**

- Use the RESET button to initiate factory reset. Refer to section about FACTORY RESET for more information.

80 Hz HI-PASS ON/OFF

- This feature controls whether low-frequency signals (below 80Hz) are filtered out from the main speakers when using a subwoofer.

ON

- Activates the high-pass filter at 80Hz.
- Main speakers will only play frequencies above 80Hz.
- Full range output signal is sent to the connected subwoofer.

OFF

- Disables the high-pass filter. Full range output signal is sent to the main speakers and the connected subwoofer.

IMPORTANT

- *Turn ON when your main speakers are small or not designed for deep bass.*
- *Turn OFF if your main speakers can handle full-range audio and you prefer a richer bass blend.*

VU METER

Controls the front panel NAD VU meter to display one of two signal levels:

Input Signal: Display the level of the current source input

Speaker Output: Display the level of the signal sent to the speakers

11 SPEAKERS

- Connect C 3030S Right speaker terminals marked "R +" and "R-" to the corresponding "+" and "-" terminals of your designated right speaker. Repeat the same for C 3030S Left speaker terminals and corresponding left speaker.
- Double check the speaker connections before powering up the C 3030S.

NOTES

- *The blue terminals must never be connected to ground (earth).*
- *Never connect the blue terminals together or to any common ground device.*
- *Do not connect the output of this amplifier to any headphone adapter, speaker switch or any device that uses common ground for left and right channels.*

12 POWER

- When the POWER switch is set to ON position, the C 3030S goes to standby mode as shown by the amber status condition of the front panel Power LED indicator.
- Press the front panel Power button, BC1 ON button or any of the Source Input selector buttons to power up the C 3030S from standby mode.
- If you do not intend to use the C 3030S for long periods of time (such as when on vacation), switch off the POWER switch.
- With rear panel POWER switched OFF, the C 3030S cannot be powered up by the front panel Power button, BC1 ON button or any of the Source Input selector buttons.

13 AC MAINS INPUT

- The C 3030S comes supplied with two separate mains power cords. Select the mains power cord appropriate for your region.
- Before connecting the power cord's plug to the mains power outlet, ensure that the other end of the power cord is firmly connected to C 3030S AC Mains input socket.
- Always unplug the power cord from the mains power outlet before disconnecting the other end of the power cord from C 3030S AC Mains input socket.

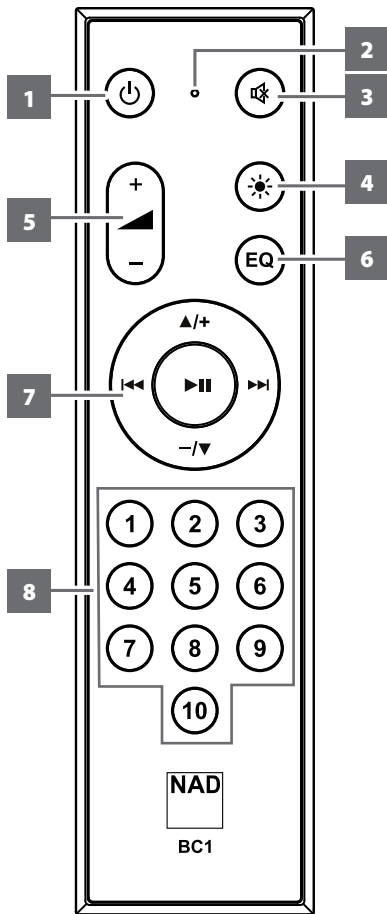
14 FUSE HOLDER

- Only qualified NAD service technicians can have access to this fuse holder.
- Opening this fuse holder may cause damage thus voiding the warranty of your C 3030S.

IDENTIFICATION OF CONTROLS

BC1 REMOTE CONTROL

ENGLISH



- 1 Switch unit from standby mode to operating mode and vice-versa
- 2 Blinks briefly when a command is executed
- 3 Temporarily switch off or restore audio. Press again or adjust Volume level to restore audio.
- 4 Vary brightness level of the Power, Source Input and Volume level LED indicators
- 5 Increase or decrease volume level
- 6 Not applicable to C 3030S
- 7 ▲/+, ▼/- : Toggle to select through Sources
▶▶: Play the next song in the album being played
◀◀: Restart the current song or play the previous song in the album being played
▶II: Start or pause playback
- 8 Select BluOS Preset number

NETWORK STANDBY MODE

The C 3030S automatically enters Network Standby mode after 15 minutes of no user interaction or when no active source input is detected. In this mode, the unit maintains its network connection while operating at reduced system performance.

When the C 3030S enters Network Standby mode, the POWER LED indicator turns amber and all Volume and Source Input LED indicators turn off.

To wake up the C 3030S from Network Standby mode, perform any of the following:

- Press the POWER button
- Press any Source Input Selector button
- Start playback or activate audio from any connected source
- Play a song from a network-connected BluOS source

When the C 3030S wakes up from network standby mode, the POWER LED indicator will illuminate green to indicate that normal operation has resumed.

Network Standby mode can be enabled or disabled by following the procedure below.

Enable/Disable Network Standby Mode

While the unit is in operating mode, press and hold the POWER button for 15 - 20 seconds, then release. Repeat process to enable or disable Network Standby mode.

Enable

- POWER LED indicator blinks amber three times
- The unit enters Network Standby mode after 15 minutes of no user interaction or when no active source input is detected.

Disable

- POWER LED indicator blinks amber two times
- The unit remains in operating mode even after 15 minutes of no user interaction or when no active source input is detected.

DEEP STANDBY MODE

The C 3030S will go to Deep Standby mode after 15 minutes of no network connectivity and no active source input. In this mode, the unit is not accessible via the network or the BluOS App.

When the C 3030S enters Deep Standby mode, the POWER LED indicator turns amber and all Volume and Source Input LED indicators turn off.

To wake up the C 3030S from Network Standby mode, perform any of the following:

- Press the POWER button
- Press any Source Input Selector button

When the C 3030S wakes up from network standby mode, the POWER LED indicator will illuminate green to indicate that normal operation has resumed.

AUTO SENSE

Auto sense feature enables the C 3030S to wake up from standby mode when triggered by an active (digital/analog) audio source input.

Enable/Disable Auto Sense Mode

While the unit is in operating mode, press and hold POWER button for 10 – 15 seconds, then release. Repeat process to enable or disable auto sense mode.

Enable

- POWER LED indicator blinks amber three times
- Wake up from standby mode and switch automatically to the source with active audio input

Disable

- POWER LED indicator blinks amber two times
- Remain at standby mode even if it is triggered by active audio source input

SOURCE VOLUME CONTROL LEVEL

Source Volume Control level defines whether volume control level is applied uniformly across all sources or managed separately for each individual source.

Enable/Disable Source Volume Control Level

While the unit is in operating mode, press and hold POWER button for 20 – 25 seconds, then release. Repeat process to enable or disable source volume control level.

Enable

- POWER LED indicator blinks amber three times
- Each Source maintains its own independent volume control level setting. These individual volume control levels are preserved when the C 3030S is powered off.

Disable

- POWER LED indicator blinks amber two times
- All Sources share a single volume control level. When the C 3030S is powered off, this common volume control level is retained.

BLUETOOTH AS A SOURCE**1 Connect the Bluetooth antenna**

Ensure the supplied Bluetooth antenna is attached to the BT antenna terminal on the C 3030S rear panel.

2 Activate your Bluetooth device

Make sure your Bluetooth device (iOS, Android, or other) is powered on and ready to pair.

3 Pair Bluetooth device

- On your iOS, Android, or Bluetooth device, go to Settings → Bluetooth.
- From the list of available Bluetooth devices, select the unique device ID (for example, NAD_C3030S|45FC) corresponding to the C 3030S to initiate pairing.

4 Select Bluetooth as the source

Once Bluetooth pairing is successful, choose Bluetooth as the source from the BluOS App, and start playing music from your Bluetooth device.

BLUETOOTH PAIRING MODE

Bluetooth pairing mode can be enabled or disabled to limit or prevent other Bluetooth devices from connecting to the C 3030S.

While the unit is in operating mode, press and hold BluOS source button for 15 - 20 seconds, then release. Repeat process to enable or disable Bluetooth pairing mode.

Enable

- POWER LED indicator blinks amber three times
- Bluetooth devices can be paired with C 3030S.

Disable

- POWER LED indicator blinks amber two times
- The C 3030S enters Bluetooth pairing mode only when Bluetooth is the selected source.

OPERATION

FEATURES

DISCONNECT PAIRED BLUETOOTH DEVICE

Follow the steps below to disconnect the currently paired Bluetooth device.

- 1 While in operating mode with a Bluetooth device connected, press and hold the BluOS source button for 5–10 seconds, then release.
- 2 The BluOS indicator will change from solid blue to blinking blue, indicating that the connected Bluetooth device has been disconnected and the unit has entered Bluetooth pairing mode.
- 3 A Bluetooth device can now be paired with the C 3030S.

BLUETOOTH AUTO RECONNECT

Bluetooth connectivity can be automatically reconnected after powering on or when Bluetooth is the selected source.

ENABLE/DISABLE BLUETOOTH AUTO RECONNECT

While the unit is in operating mode, press and hold BluOS source button for 10 – 15 seconds, then release. Repeat process to enable or disable Bluetooth auto reconnect.

Enable

- POWER LED indicator blinks amber three times
- Paired Bluetooth device will automatically reconnect after powering on or when Bluetooth is the selected source.

Disable

- POWER LED indicator blinks amber two times
- Paired Bluetooth device will not automatically reconnect after powering on or when Bluetooth is the selected source.

PREAMPLIFIER SECTION

LINE IN, SUB-OUT (Analog bypass on)

THD (20 Hz – 20 kHz)	<0.005 % at 4V out
Signal-to-Noise Ratio	>90 dB (IHF; A-weighted, 500 mV out, unity gain)
Input impedance (R and C)	28 kohms + 360 pF
Maximum input signal	>5.7 Vrms (0.1 % THD)
Output impedance	345 ohms
Input sensitivity	100 mV (500 mV out, Volume maximum)
Frequency response	20 Hz - 20 kHz (± 0.3 dB)
Maximum voltage output	>5 V (0.1 % THD)

LINE IN, HEADPHONE OUT

THD (20 Hz – 20 kHz)	<0.005 % at 1V out
Signal-to-Noise Ratio	>90 dB (32 ohms load; A-weighted, 1V out, unity gain)
Frequency response	20 Hz - 20 kHz (± 0.3 dB)
Channel separation	>60 dB at 1kHz
Output impedance	2.2 ohms

LINE IN, SPEAKER OUT

Rated output power into 8 ohms and 4 ohms	50W (20 Hz-20 kHz at rated THD, both channels driven)
THD (20 Hz – 20 kHz)	<0.03 % (250 mW to 50 W, 8 ohms and 4 ohms)
Signal-to-Noise Ratio	>90 dB (A-weighted, 500 mV input, 1 W out in 8 ohms)
Clipping power	8 ohms: 120 W 4 ohms: 250W 2 ohms: 390 W
Peak output current	>16A (1 ohm, 1 ms)
Damping factor	>52 (20Hz to 6.5kHz, 50W 8 ohms)
Frequency response	20 Hz - 20 kHz (± 0.3 dB)
Channel separation	>75 dB (1 kHz) >70 dB (10 kHz)
Input sensitivity (50 W in 8 ohms)	750 mV
Frequency band	2.402 G- 2.480 G
Maximum transmit power	7 dBm \pm 2 dBm
Power consumption, standby mode*	0.5 W

LINE IN, SPEAKER OUT

THD (20 Hz – 20 kHz)	<0.05 % at 50W out
Signal-to-Noise Ratio	>82 dB (10 mV in; A-weighted, 1W out)
Input impedance (R and C)	46 kohms/100 pF
Input sensitivity	1.6 mV (20 Hz 50W out, Volume maximum)
Frequency response	20 Hz - 20 kHz (± 0.3 dB) Note: The RIAA response is consistent with a pre-emphasis that is rolled off at 50 kHz by a second order filter, such as used in Neumann cutting lathes.
Maximum input signal at 1 kHz	>15 mVrms (0.1 % THD)

BluOS SECTION

AUDIO

Supported audio file format**	MP3, AAC, WMA, OGG, WMA-L, ALAC, OPUS
Supported high- resolution audio file format**	FLAC, MQA, WAV, AIFF
Sampling rate	up to 192 kHz
Bit depths	16 – 24

CONNECTIVITY

Network connectivity	Gigabit Ethernet RJ45 Wi-Fi 5
Bluetooth quality	aptX HD 5.0
Bluetooth connectivity	Two-Way (Receive and Headphone modes)

USER INTERFACE

Supported operating system in desktops	Music playback from network shares on the following desktop operating systems: Microsoft Windows 10 or higher and macOS 10.3 or higher***
Mobile Application	Free BluOS Controller App available for download from the respective App stores of Apple iOS devices (iPad, iPhone and iPod), Android devices, and Windows or macOS desktops

SPECIFICATIONS

SUPPORTED SERVICES

Streaming cloud services**	Amazon Music, Bugs, Custom Channels, Deezer, IDAGIO, KKBOX, Napster, Neil Young Archives, nugs.net, Pandora, Presto Music, Qobuz, QPlay, Qsic, SOUNDMACHINE, Spotify, TIDAL, Tunify
Free internet radio**	Audacy, Calm Radio, iHeartRadio, LiveOne, Radio Paradise, SiriusXM, TuneIn
Integration partners	Control4, Crestron, ELAN, Lutron, Push, Roon, RTI, URC
Voice Control Integration	Skills and support for Amazon Alexa and Apple's Siri with corresponding enabled devices and App

DIMENSION AND WEIGHT

Gross dimensions (W x H x D) ***	356 x 129 x 329 mm 14 1/8 x 5 1/8 x 13 inches
Net weight	5.8 kg (12.8 lbs)
Shipping weight	12.6 kg (27.8 lbs)

* - After 15 minutes of no user interface interaction and no active source input

** - Supported audio file format, cloud services and free internet radio are subject to change without notice.

*** - Gross dimension includes feet, volume knob and extended rear panel terminals.

Specifications are subject to change without notice. For updated documentation and features, please check out www.NADelectronics.com for the latest information about C 3030S.



www.NADelectronics.com

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