

OWNER'S MANUAL

MOMENTUM C2/C2Z

Preamplifier



Welcome to the musical world of Dan D'Agostino Master Audio Systems.
My team and I thank you for your purchase of the Momentum C2 Preamplifier,
and wish you endless high-end listening enjoyment!

—Dan D'Agostino, Founder & Chief Designer

A handwritten signature in white ink that reads "Dan D'Agostino". The signature is written in a cursive, flowing style with a large initial "D" and "A".

At Dan D’Agostino Master Audio Systems, Momentum preamplifiers have been a cornerstone of our product lineup from the beginning, where ideas and concepts continually evolve into new designs. This is true for the Momentum C2 and C2Z Preamplifiers, which are physically and functionally identical, differing only in the circuit boards of the preamplifier’s output stage (outlined in greater detail on page 6).

First introduced in our flagship Relentless Preamplifier, the Momentum C2 Preamplifier features specialized electromechanical connectors integrated within each unit, providing the most direct connection between the power and audio chassis.

Advanced concepts present in the Momentum C2 Preamplifier include input stage circuitry termed “Complementary Four.” This FET-based topology builds on our previous work with FET-based input stages and fully realizes its potential in the Momentum platform.

The Momentum C2 and C2Z are the first Momentum preamplifiers to offer modularity with an optional Digital Streaming Module. For listeners keen to incorporate digital playback within the same unit, coaxial, optical, and USB physical inputs join Ethernet and wireless connectivity for in-house network and internet streaming capability. Digital resolution includes support for files up to DSD256 and 32bit/192K PCM accuracy. Tidal, Qobuz, and

Spotify streaming subscription services are included, and with appropriately encoded music files, MQA decoding is standard. Customized apps for iOS devices provide easy control of music collections, streaming content, and unit control.

The easy-to-use, bi-directional remote control mirrors the information on the preamplifier’s front panel onto its own display screen, including input, volume, and balance settings. Additionally, with the optional DSM installed, song metadata is also shown on the display.

From the outside, the Momentum C2 Preamplifier is pure Dan D’Agostino Master Audio Systems. The iconic Momentum Series volume control fronts the amplifier with a digital display in the power supply providing additional operational information. If configured to Momentum C2Z specification, the digital display of the power supply will illuminate a Momentum C2Z logo briefly when powering up. Like all our products, the Momentum C2 and C2Z Preamplifiers are hand-built by our technicians—true music lovers—in our Cave Creek, Arizona facility. We hope you enjoy your Momentum component as much as we did creating and building it.

Sincerely,

*The Dan D’Agostino
Master Audio Systems Team*

Legal Notifications

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CAUTION:

NO USER SERVICEABLE PARTS INSIDE

Do not open the component’s chassis or remove any of its screws. Contact DDMAS or the dealer if you have service needs.

WARNING: Do not expose this product to moisture or excessive humidity, and do not use it outdoors. Fire hazard may result.



The lightning flash with arrowhead, 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 electrical shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating maintenance (servicing) instructions in the literature accompanying the component.

Package Contents

- 1 **Momentum C2 Preamplifier encased in protective packaging**
- 1 **Bi-directional remote control with display**
- 1 **Bluetooth antenna**
- 1 **W-Fi antenna (if optional Digital Streaming Module is installed)**
- 1 **Owner’s manual**
- 1 **AC power cord**
- 1 **Microfiber cloth**

Please contact the authorized retailer if any items above are missing.

Unpacking & Installation

Removing the component from its packaging

While the Momentum C2 Preamplifier is still in its case, move it to a location near the place where it will be installed. Remove all jewelry including watches, rings, and belts from your person to avoid damage to the exterior of the preamplifier during unpacking and installation.

Installation requirements

This component's dense metal chassis makes it much heavier than most other preamplifiers, so make sure the surface that will support this component can safely hold its weight. There should be at least one inch of clearance on each side and three inches of clearance at the top. The preamplifier may be installed in a closed cabinet or in an equipment closet, but the space must be designed with ventilation at top and bottom. If plugging the Momentum C2 Preamplifier into a power strip or power conditioner, make sure it is a high-quality unit that does not alter ground connections or insert current-limiting elements in series with the AC mains signal.

Assembling the Momentum C2 Preamplifier

The Momentum C2 Preamplifier transmits power and control signals through specially made, high-current connectors mounted in the front right foot of each chassis. To assemble the preamplifier, place the power supply chassis at the preamplifier's final location. Place the audio chassis on top of the power supply



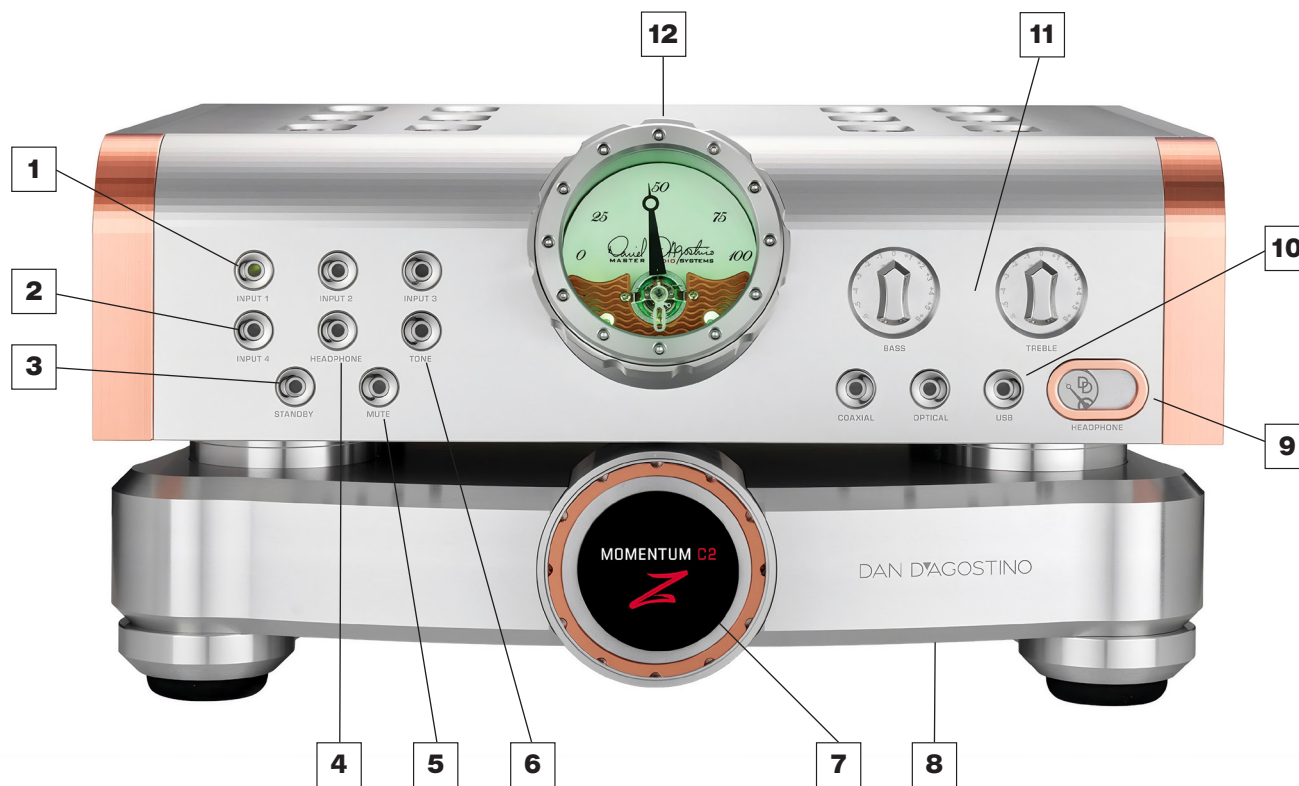
chassis. Carefully ensure that the bottom plate connector of the audio chassis makes solid contact with the top plate connector in the power supply.

Returning the component for service

Should the unit need to be returned for service, use the original box and packing materials. To protect the finish during shipping, re-wrap the preamplifier in the protective packaging in which it was originally shipped. Make sure the unit is completely cool. Wrapping the preamplifier when it is warm will cause the plastic wrapping to leach into the component's surface and will permanently damage the finish.

Configuration

The Momentum C2/C2Z Preamplifier is a modular design that can be used with line-level analog sources. The optional Digital Streaming Module gives access to cloud-stored and locally stored music files (NAS drive, computer, etc.), as well as access to subscription streaming services. Wired network connections are preferred, especially if you are streaming high-resolution audio files, however, Wi-Fi connectivity is also provided.



Front Panel

- 1** Balanced XLR Analog Source Input 1-3 selector buttons
- 2** Single-ended RCA Analog Source selector button
- 3** Standby/Power On button
- 4** Headphone selector button
- 5** Mute button
- 6** Tone Control selector button
- 7** Multi-purpose display
- 8** Power supply chassis
- 9** Headphone input jack (behind sliding logo door)
- 10** Digital Source selector buttons (operational when the optional Digital Streaming Module is installed)
- 11** Tone controls
- 12** Volume control knob

Optional Digital Streaming Module Rear Panel

- 1 SPDIF coaxial input
- 2 RJ45 Ethernet
- 3 Optical input
- 4 Wi-Fi antenna
- 5 USB-B input



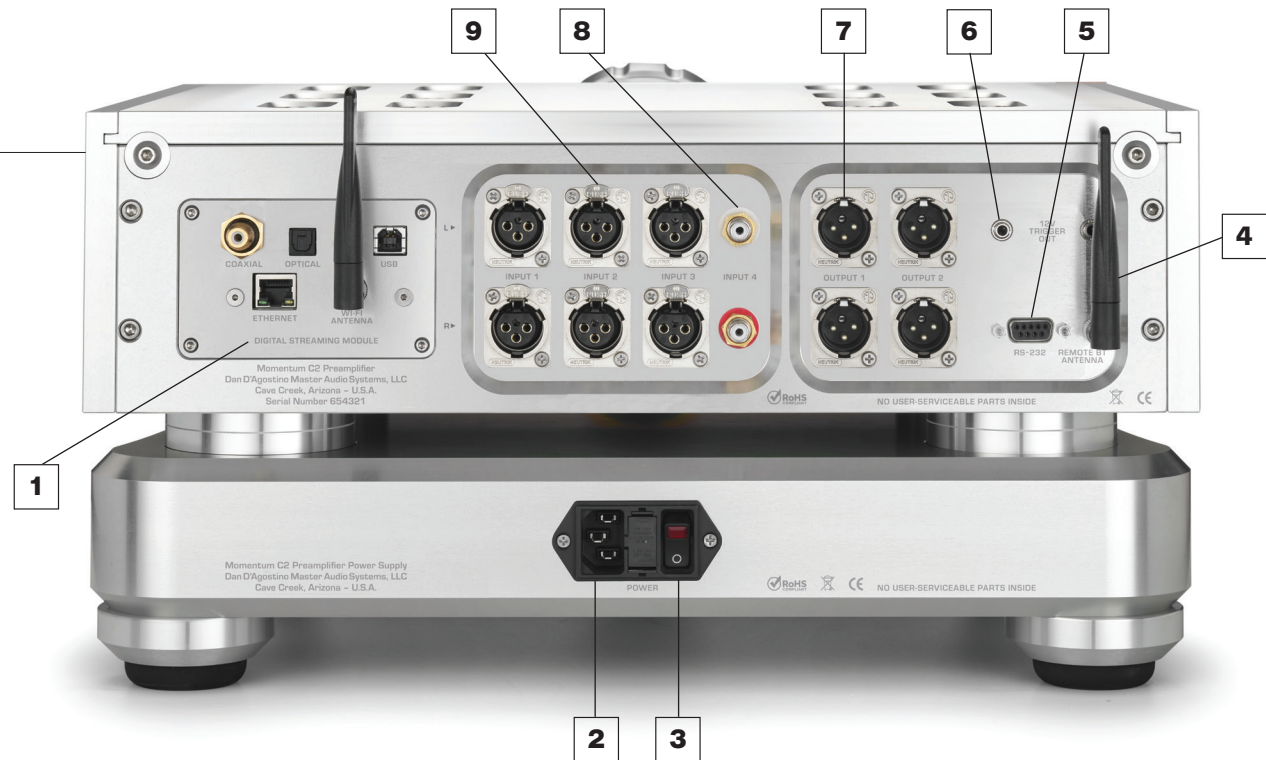
Remote Control

- 1 Main display/navigation control
- 2 USB-C charging
- 3 Power switch



Rear Panel

- 1 Optional Digital Streaming Module with SPDIF, Ethernet, optical, USB, and Wi-Fi antenna connections
- 2 IEC AC power socket
- 3 AC power switch
- 4 Bluetooth antenna
- 5 RS-232 control connector
- 6 12-volt trigger outputs
- 7 Balanced XLR output jacks
- 8 Single-ended RCA input jacks
- 9 Balanced XLR input jacks



The Momentum C2Z Preamplifier Circuitry

The Momentum C2 and C2Z Preamplifiers are physically and functionally identical, and can be distinguished only by the brief illumination of the Momentum C2Z icon in the power supply's digital display when powering up the component.

The Momentum C2Z Preamplifier upgrade incorporates a series of revised circuit boards, installed at the time of manufacture, or as a dealer-installed upgrade to the Momentum C2 Preamplifier. This upgrade was developed to fully exploit the capabilities of the new Z circuitry introduced in the Momentum Z Monoblock Amplifier. While the Momentum C2 Preamplifier platform already delivered exceptional performance, the Z amplifier's input architecture created an opportunity to further optimize the electrical interface between the preamplifier and the power amplifier. The C2Z upgrade refines the preamplifier's output stage so it can provide greater current drive and stability, allowing the entire system to take full advantage of the performance potential unlocked by the Momentum Z Monoblock Amplifier.

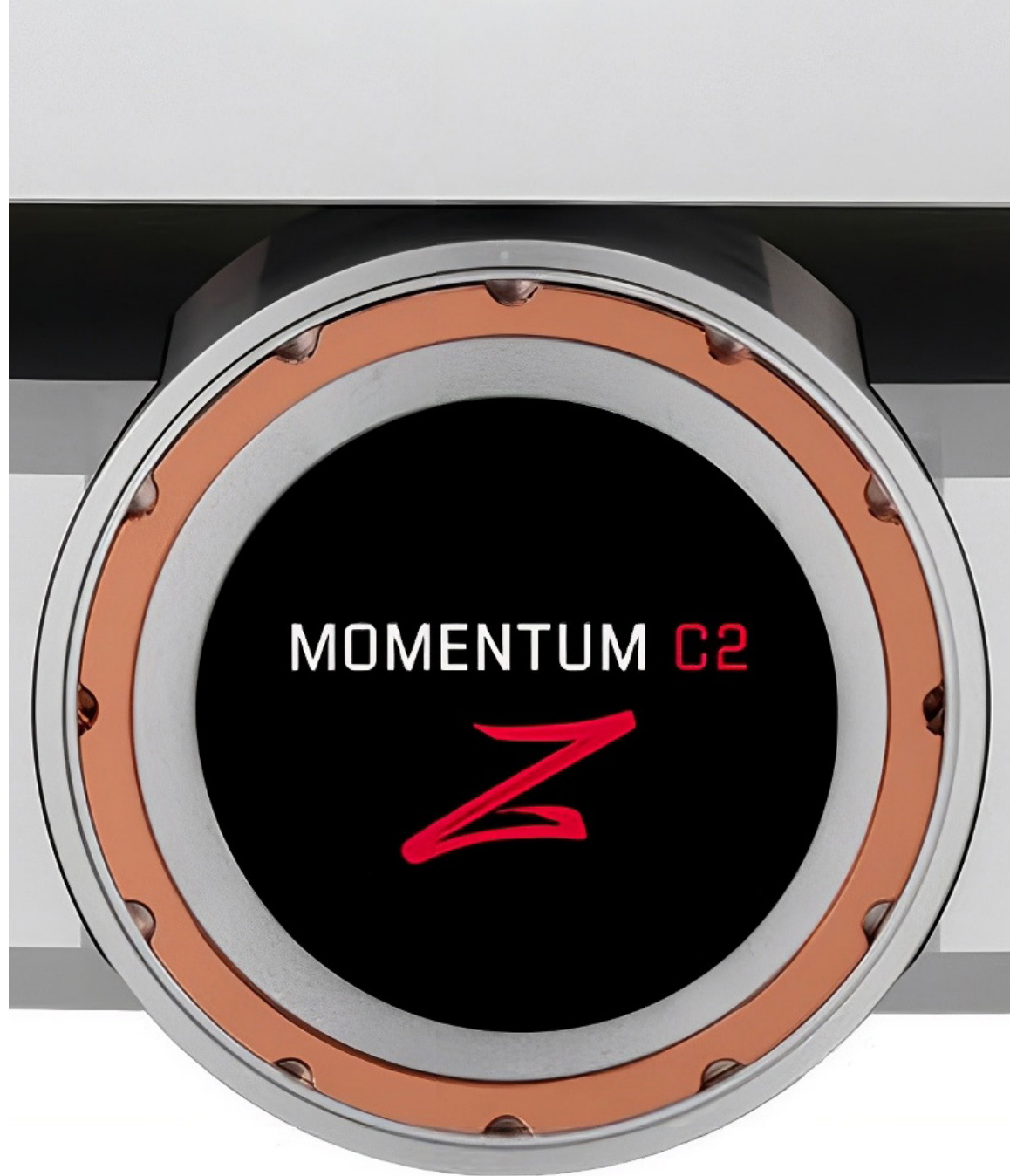
Using field-effect transistors (FETs) in the input stage of an amplifier offers several important advantages, particularly in high-performance audio designs. FETs present a very high input impedance, allowing the amplifier to accept the incoming signal with minimal

loading on the source component. This preserves signal integrity and helps maintain the tonal balance and dynamic structure of the music signal. In addition, FETs exhibit low input noise and excellent linearity, making them well suited for the very small signal levels present at the front end of an amplifier. Compared with bipolar transistors, FETs also offer advantages in how signal current is handled. Because FETs are voltage-controlled devices, they do not require significant input current to operate, and their transfer characteristics tend to be smooth and highly linear. These properties contribute to lower distortion and a stable interface between connected components.

In the Momentum Z Monoblock Amplifier, our Z circuit intentionally modifies the traditionally high input impedance associated with FET input stages. By lowering the effective input impedance, the amplifier is able to draw more current from the connected preamplifier, allowing the input stage to be driven with greater authority. This approach strengthens the electrical coupling between the preamplifier and amplifier, improving transient response and preserving dynamic contrasts in the music signal. One of the most audible results of this architecture is a notable improvement in low frequency texture and control, particularly at lower listening levels where subtle musical details can often be lost. With the Z circuitry,

bass articulation remains precise and dimensional, allowing the listener to perceive greater tonal shading and structure even when the system is played quietly.

To complement this architecture, the upgrade incorporates FET devices in the output stage of the preamplifier, enabling it to deliver substantially greater current to the connected amplifier. This current-capable FET output stage allows the preamplifier to drive the Momentum Z amplifier's optimized input stage with exceptional stability and bandwidth. Together, the Momentum C2Z Preamplifier and the Momentum Z Monoblock Amplifier create a highly synergistic interface in which the preamplifier is capable of delivering significant current while the amplifier is designed to receive and utilize it effectively. The result is a system that fully exploits the benefits of the Momentum Z performance, delivering greater dynamic authority, enhanced resolution of low-level detail, and a more effortless and controlled musical presentation.



Making Connections to the Momentum C2/C2Z Preamplifier

Interconnect cables

We recommend the use of high-quality balanced XLR audio interconnect cables. If a source device does not offer XLR connections, use high-quality RCA cables for Input 4. RCA-to-XLR adapters can be purchased from a Dan D'Agostino Master Audio Systems dealer.

Connect the source devices (Phono, CD player, etc.) to the appropriate inputs. Connect the XLR or RCA cables to the appropriate jack by pushing the plug into the jack. To release an XLR plug, push on the small tab atop the jack and gently detach the plug. Never grasp interconnect cables by the cable itself, as it can damage the cable. Be sure to connect the left channel to the left channel, and the right channel to the right channel. Note: Input 4 is standard line level and requires the use of a separate phono stage to enable turntable playback.

Now connect the Momentum C2 Preamplifier to the power amplifier(s). Connect each XLR cable to the amplifier input by pushing the cable onto the jack.

Optional Digital Streaming Module

The optional Digital Streaming Module has connections for optical, coaxial, and USB digital cables. An Ethernet connection via RJ45 and a Wi-Fi antenna input are also included. One of these must be used

as a network connection and is required to utilize the network capability of the Digital Streaming Module, and an internet connection is needed to access streaming services such as Tidal, Qobuz, or Spotify. If available, we recommend using the hard-wired Ethernet connection. Alternatively, attach the Wi-Fi antenna for wireless operation.

The Ethernet cable pushes into the connector and locks. To remove the cable, press the tab on the underside of the connector and gently pull the cable out.

AC cord

The Momentum C2 Preamplifier power supply is supplied with a high-quality AC cord tipped with a 15-amp IEC connector at the preamplifier end and a three-conductor AC plug at the other end. You may use a different power cord, if it is tipped with a 15-amp IEC connector and a three-conductor AC plug. After all cables are connected, push the IEC connector on the power cord into the IEC socket of the Momentum C2 Preamplifier power supply.

If plugging the Momentum C2 Preamplifier into a power strip or power conditioner, make sure it is a high-quality unit that does not alter ground connections or insert current-limiting elements in series with the AC mains signal.

Front Panel Operation

12-volt trigger output

Both 3.5 mm jacks transmit a 12-volt DC control signal. The 12-volt trigger output connects to a 12-volt input on any device that accepts a 12-volt DC control input, and will move the connected component to full power when the Momentum C2 Preamplifier goes from standby to operating mode. Conversely, the connected unit will move to standby when the preamplifier goes from operating to standby mode.

RS-232 input

The DB9-type input allows the Momentum C2 Preamplifier to be controlled by home automation systems that use RS-232 protocol. Consult a Dan D'Agostino Master Audio Systems dealer for more information.

Headphone jack

The headphone jack is discreetly located behind the D'Agostino logo on the right side of the faceplate. Slide the door to the right to reveal the connector. Insert a set of headphones with a 1/4-inch connector or use a 1/8-inch-to-1/4-inch adapter for headphones with a 1/8-inch plug.

Bluetooth antenna

Affix the included Bluetooth antenna to the screw post marked Remote BT Antenna. The remote control will not work properly if the antenna is not installed.

Initial power-up

Once the Momentum C2 Preamplifier is plugged into an AC outlet, move the AC power switch on the power supply rear panel to the On position. The unit is now in standby mode. The standby LED will illuminate and the power supply display will show the D'Agostino logo. Preamplifiers configured to Momentum C2Z specification will briefly show the Momentum C2Z icon in the power supply display at powerup.

The Momentum C2 Preamplifier requires approximately 30 minutes upon initially switching on to reach optimal operating temperature. Although the Momentum C2 Preamplifier will sound excellent upon initial listening, the sound quality will improve as it warms up.



Front Panel Operation

The Momentum C2 Preamplifier offers basic functions on the front panel: standby on/off, source selection, volume up/down, mute, headphone, and tone control. Special Theater and Dark Modes are also available on the front panel, activated by entering special button-press sequences. The remote control adds balance and polarity operation to these front panel functions.

Standby

When the Momentum C2 Preamplifier is in standby mode, the standby LED will be illuminated, and the power supply display will show the D'Agostino logo. Press the Standby button to switch the unit to operating mode. When the power is on, the standby LED will turn off, and the active source LED, volume indicator, and power supply display will illuminate. Press the button again to return to standby mode. The volume indicator and source LEDs will turn off, and the standby LED and D'Agostino logo will illuminate again.

Source selection

Press the front-panel button that corresponds to the desired source. The LED for the currently active source will illuminate. Analog input selection is made on the left side of the faceplate. If the optional Digital Streaming Module is installed, the digital inputs on the right side of the faceplate will be active and illuminate when pressed.

Volume

Turn the Volume knob clockwise to raise the volume and counterclockwise to lower it. The needle in the multifunction meter's indicator will move toward the right as you increase the volume and to the left as you decrease it. The power supply display shows the exact volume setting for any needle position. We recommend you turn the volume down when you initially power up the system, and raise it only when you are assured that all components in the system are operating properly. During normal playback, the needle indicates the selected volume. When balance is adjusted, the needle will indicate the selected balance setting.

Note: The Momentum C2 Preamplifier uses a relay-controlled stepped attenuator for its superior sound quality and excellent left-to-right gain accuracy. This high-performance volume control emits a small mechanical click as the volume setting is changed. This is normal operation, and once the changes have been made, no other sounds will be made by the control.

Mute

Press the Mute button to mute the volume temporarily. Press the Mute button twice again to restore the volume. When muted, the volume display will blink between green and white. If the polarity is inverted, the volume meter will alternate between white and red.

Headphone

After connecting headphones to the headphone jack, select a source to listen to, and then press the Headphone button. The headphone LED will illuminate and a headphone icon will appear on the power supply display. The preamplifier outputs will be muted. To restore sound to the preamplifier outputs, press the Headphone button again.

Tone controls

The bass and treble can be adjusted within a range of +/- 6 each. Turn the respective knobs to achieve the desired setting. To activate the adjusted frequency response, press the Tone button, which will illuminate the tone LED. To deactivate the tone control circuit, press the Tone button again. The tone LED will turn off, removing the tone control adjustments from the signal path. The current tone control settings are displayed on both the power supply display and the remote-control display.

Theater Mode

Theater Mode allows the Momentum C2 Preamplifier to integrate into a multichannel home theater audio system. To use this mode, connect the left- and right-channel outputs of the surround-sound processor to Input 3 of the Momentum C2 Preamplifier. By default, Input 3 functions as a standard input. To configure it

for Theater Mode, press and hold the Input 3 selector button until the volume control needle points to 70.

In Theater Mode, the preamplifier's volume control is bypassed, fixing it at a set level, and the surround-sound processor's volume control is used instead. Both the front panel and remote volume controls will be disabled. Select Input 3 on the front panel or remote when listening to surround sound. To return Input 3 to normal operation, press and hold the Input 3 selector button again. Theater Mode will remain active once selected, even when the Momentum C2 Preamplifier is returned to standby. There is no need to reconfigure this mode unless power is lost.

Dark Mode

Dark Mode blanks out the volume display, LEDs, and power supply display after 10 seconds of illumination. Dark Mode is selected or deselected by pressing and holding the Standby button for several seconds while the unit is in standby mode. All front panel lights are disabled unless a change is made on the front panel or remote to any of the controls. During a change, the LEDs and displays are illuminated but will re-extinguish shortly after the changes are made.

Remote Control Operation

The Momentum C2 Preamplifier remote control uses bi-directional Bluetooth technology and features a display screen that mirrors the display on the unit's front panel. The screen also functions as the main navigational device and is used for adjusting options and selecting various operations.



Remote pairing

The remote control requires an initial pairing to the Momentum C2 Preamplifier. Once paired, the remote control will stay paired to the preamplifier. The process is automatic and instantaneous.

Plug the Momentum C2 Preamplifier into the wall and switch the main

AC power switch to the On position, placing the preamplifier into standby. Move the power switch on the remote control to the On position. The remote control will pair automatically and display the D'Agostino logo when it is paired. Before the remote control pairs with the Momentum C2 Preamplifier, a small Bluetooth logo will appear on the remote control display. Once the remote control pairs with the preamplifier, the Bluetooth logo disappears.

The remote control includes a rechargeable lithium-ion battery. Connect one end of a USB-C cable to the USB-C connector on the side of the remote control and the other end to a USB power source. If the power switch is in the Off position, the main display will show the battery's current charge state. If the power is in the On position, the battery indicator above the meter movement will indicate that the unit is charging and display its current charge state.

To begin operating the remote control, move the power switch on the side to the On position. The remote control will connect to the Momentum C2 Preamplifier. If the preamplifier is in standby, the D'Agostino logo will appear on the remote control. If the Momentum C2 Preamplifier is already operating, the remote control will display the preamplifier's meter display. The meter display shows the current volume setting, balance position, and active input. After one minute of inactivity, the remote control's display will turn off.

Note: If the remote control is not paired to the Momentum C2 Preamplifier, a small red Bluetooth logo appears near the top of the main display.

Standby/Power

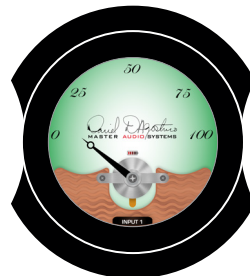
Press and hold the main display down to move between standby and operating modes. There will be

an audible click when the display is pressed. In standby mode, the remote control will display the D'Agostino logo. Alternately, when the Momentum C2 Preamplifier is operating, the remote control will show the preamplifier's meter display.

Input selection

Press and release the main display to enter the input selection screen. Rotate the knob in either direction to the desired input, then press and release to confirm selection.

Note: If the optional Digital Streaming Module is installed, the coaxial, optical, and network inputs will be available options. Otherwise, only analog Inputs 1-4 will be displayed as available for selection. After selection, the remote defaults to the main screen. Navigate to the Back icon to return to the main screen immediately. The selected input is displayed at the bottom of the remote-control screen.



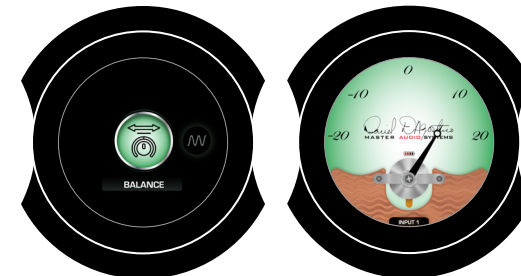
Volume adjustment

Rotate the remote control display screen's outer knob clockwise to raise the volume or counterclockwise to lower the volume.



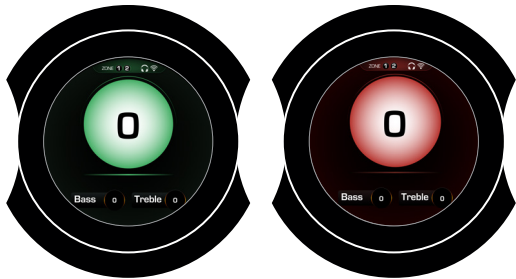
Additional settings

To select Settings, navigate to the Settings icon, then press and release the main display. Rotate the outer knob in either direction to locate the component setting to be changed.



Balance

The balance position is indicated by the gold balance indicator directly beneath the volume needle on the Momentum C2 Preamplifier and remote-control display. To adjust balance, press and release the main display to enter the balance adjustment screen. The main screen will appear with the volume numerals replaced by -20, -10, 0, +10, +20. Rotate the outer knob counterclockwise to move the sound to the left channel, and rotate clockwise to move the sound to the right channel. Press the display to exit to the main display. The adjustment will be shown by the gold balance indicator turning red and moving to the newly selected balance position.



Mute

The Mute control temporarily turns off volume. Press the display twice to engage mute, and twice again to restore volume. When muted, the volume display will blink green and white and the remote display will go to zero. If the polarity of the Momentum C2 Preamp is inverted, the volume will blink white and red.

Output options

The Momentum C2 Preamp features two sets of balanced outputs. By default, both outputs are active as indicated in the power supply display. To change the active output setting, navigate to the Output icon, then press and release the main display to activate the output option.



The Output 1 + 2 setting will be active. Navigate to Output 1 or Output 2 to have only one of these outputs active. The power supply display and app will indicate the current output setting.

Dark Mode

When activated, Dark Mode blanks out the volume display, LEDs, and power supply display after 10 seconds of illumination. To select Dark Mode, press and release the main display



when the Dark Mode icon is shown. All front panel lights will be disabled unless a change is made using the front panel or remote. During such changes, the LEDs and displays will briefly illuminate and then turn off again. The display will alternate between yellow and black to indicate whether Dark Mode is engaged or not.



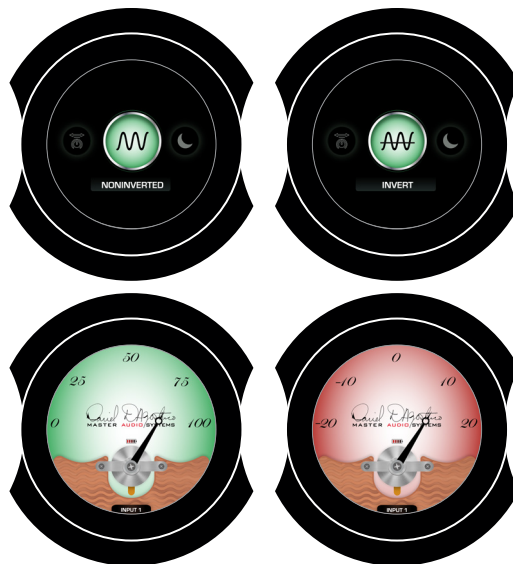
Headphone

Headphone operates the same way as when activated from the front

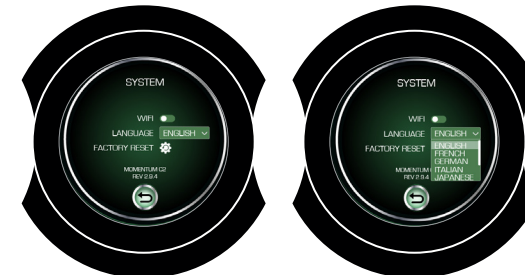
panel. Select a source, then press and release the main display when the Headphone icon is shown to toggle between headphone or loudspeaker listening. The preamplifier outputs will be muted. To restore sound to the preamplifier outputs, press the main display when the Headphone icon is shown again. The display will alternate between yellow and black to indicate whether the Headphone output is engaged or not.

Polarity

The Polarity control inverts the polarity of the entire system. While the Momentum C2 Preamplifier does not invert polarity, some source devices do, and some recordings are produced with inverted polarity. Because there is no way to know the proper polarity of any given recording, this must be set by ear. Press and release the main display when the Polarity icon is shown. The volume meter and remote-control display will change from green to



red when the polarity is inverted. Depending on the recording, the effects of polarity inversion are often subtle and sometimes even inaudible. The display will alternate between the two different icons to indicate polarity status.



Language

The remote control and the Pendulum Integrated Amplifier main unit display default to English. To select a different language, highlight the language dropdown to view the available options. The additional languages are French, German, Italian, Japanese, Korean, Spanish, Simplified Chinese, and Traditional Chinese.



Basic setup: optional Digital Streaming Module

While the preamplifier can be used with analog sources, an iOS device is required to use its digital functionality.

DOWNLOAD ON THE APPLE APP STORE





Info

When the Info icon appears, press and release to view unit information.



Back

When the Back icon appears, press and release to return to the remote control's previous screen.



Other Connections

Router

In order to utilize the complete feature set of the Momentum C2 Preamplifier, it must be connected to a router with Internet connectivity using a wired or wireless connection. Access NAS stored music files and streaming services including Spotify, Tidal, and Qobuz through the app. A wired connection from the Momentum C2 Preamplifier to the router is preferable, but Wi-Fi is also acceptable. Please consult the dealer for network options. Download the D'Agostino DSM app from the Apple App Store. See below for D'Agostino DSM app operation.

Hardwired connection

Use an Ethernet cable from the RJ45 Ethernet jack on the back of the unit to one of the outputs of the router, network switch, or an access point, depending on installation.

Wi-Fi connection

In either standby or full power mode, press and hold the Standby and Mute buttons on the front panel for 10 seconds. Using an iOS device, navigate to the Wi-Fi network settings page and select the Momentum C2 Preamplifier network. Enter *password*, all lowercase, for the password. Select the gear on the upper left corner of the main page of the D'Agostino DSM app. Select Device Setup and then select Momentum C2 Preamplifier. Tap the Wi-Fi Network Selection option and select the Wi-Fi network to which the preamplifier will be connected. Enter the network password and tap Join This Network. The preamplifier will now be connected and ready to access music. Go to the Main Settings page and select Momentum C2 Preamplifier. Go to the Main page, navigate to the Play To page, and select Momentum C2 Preamplifier. The app will now control the preamplifier.

Using the App: Basic & Advanced Functions

Player screen

When you enter the app, the Player screen will appear. The screen includes music transport controls, standby, balance, and access to other screens. Cover art replaces the D'Agostino logo when a music file is selected.



CONTROLS
The slider icon at the top right corner opens the controls page where selections for source inputs and other functions can be made.

SETTINGS
The settings page can be accessed via the upper left gear icon. Network, cloud, and name changes for device and input are available in this area.

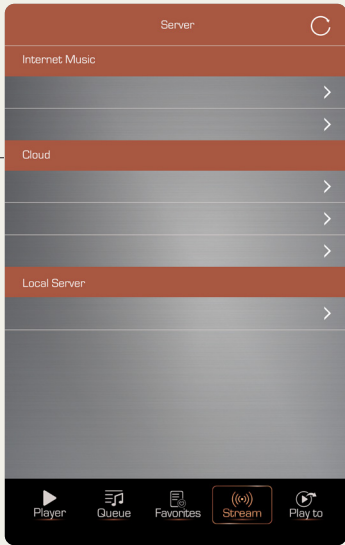
VOLUME
To adjust the volume of the preamplifier, move the slider to the right to raise the volume, or left to lower the volume. Alternatively, the built-in hardware volume controls on iOS devices may also be used to adjust volume on the preamplifier.

STANDBY
This button moves the preamplifier between standby and full operating mode.

BALANCE
To adjust the left-to-right channel balance of the preamplifier, press the Balance button and move the slider to the right or the left.

Server screen

The Server screen, accessed from the Stream icon on the bottom right of the App Navigation Bar, displays streamed media, including Internet Music, Cloud-based, and Local Server sources.



INTERNET MUSIC
Accesses various web-based and wireless sources available to the preamplifier. (Subscriptions are required for many of these platforms.)

CLOUD
This section displays the cloud-based locations that have been configured for music storage. For more information, please contact the dealer.

LOCAL SERVER
Displays local networked computers and hard drives through DLNA. For more information, please contact the dealer.

APP NAVIGATION BAR
The bottom row of the Player page includes queue control, favorites selections, stream options, and play-to choices. The stream option opens the page for selecting Internet streaming sources, and the cloud and network drives that the Momentum C2 Preamplifier can access in the connected system.

Using the App: Main Controls

● SOURCE SELECTION

Press one of the four analog source buttons (Input 1, 2, 3, or 4) or one of the four digital source buttons (Network, Coaxial, Optical, or USB) if the Digital Streaming Module is installed. The Network button accesses network-based and Internet sources, such as Spotify, Tidal, Qobuz, and NAS drives.

● OPTICAL

Press this to use the Toslink optical digital input on the back of the Momentum C2 Preamplifier.

● POLARITY

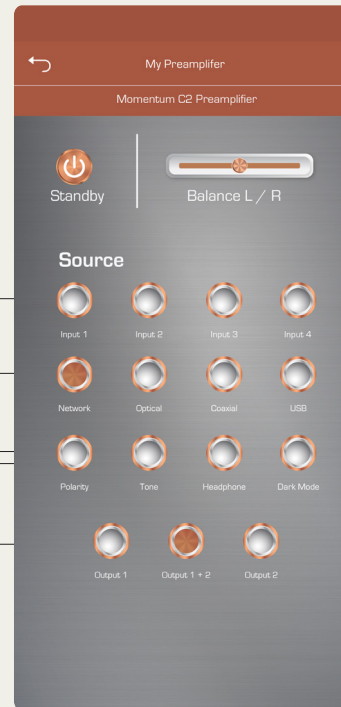
Polarity operates the same way as when activated from the remote control. The Polarity button inverts the polarity of the entire system. While the Momentum C2 Preamplifier does not invert polarity, some source devices do, and some recordings are produced with inverted polarity. Because there is no way to know the proper polarity of any given recording, this must be set by ear. Press the Polarity button to alternate between the non-inverted and inverted settings. The volume meter display will change from green to red when the polarity is inverted. Depending on the recording, the effects of polarity inversion are often subtle and sometimes even inaudible.

● TONE

Tone displays the current settings of the bass and treble controls on the front panel. These cannot be changed with the app.

● OUTPUT OPTIONS

The Momentum C2 Preamplifier features two sets of balanced outputs. By default, both outputs are active, as indicated by the Output 1 + 2 icon. Press Output 1 or Output 2 to select one of these to be active exclusively. The power supply display and app will indicate the current output setting.



● COAXIAL

Press this to use the SPDIF coaxial digital input on the back of the Momentum C2 Preamplifier.

● USB

Computers can be connected using a USB-A male-to-USB-B male cable. The USB input is selected by pressing the USB input selector button on the app. Operation is automatic when connecting Apple computers running macOS to the digital module. When using a computer running Windows OS, the optional Digital Streaming Module's Windows driver located on the Momentum C2 Preamplifier web page is required for use with a music program. JRiver software is a good option when using a Windows PC. Please visit the Momentum C2 Preamplifier product page here for additional information on connecting a Windows PC to the Momentum C2 Preamplifier and to download the required Windows driver.

● DARK MODE

Dark Mode operates the same way as when activated from the front panel or remote control. To select Dark Mode, press the Dark Mode button. All front panel lights will be disabled unless a change is made using the front panel or remote. During such changes, the LEDs and displays will briefly illuminate and then turn off again. The display will alternate between yellow and black to indicate whether Dark Mode is engaged or not.

● HEADPHONE

Headphone operates the same way as when activated from the front panel or remote control. Select a source to listen to and then press the Headphone button to toggle between headphone or loudspeaker listening. The preamplifier outputs will be muted. To restore sound to the preamplifier outputs, press the Headphone button again. The display will alternate between yellow and black to indicate whether the headphone output is engaged or not.

Maintenance

The Momentum C2 Preamplifier requires no user maintenance. To clean the preamplifier, spray a small amount of distilled water onto the supplied microfiber cloth and gently wipe the preamplifier's surface along the direction of the metal grain, with light pressure only. Never use a circular motion or heavy pressure, as this can permanently scratch the machined surfaces. Do not rub the surface with a dry cloth, and do not spray any liquid directly onto the component.

Troubleshooting

If any issues with operation, sound, or functionality arise, set the Momentum C2 Preamplifier to standby and then power it down in the back. Power the unit back on and return to full power by pressing the Standby button. If this reset procedure does not resolve the problem, please contact an authorized Dan D'Agostino Master Audio Systems dealer or distributor.

Specifications

Frequency Response: 0.1 Hz to 1 MHz, -1 dB / 20 Hz to 20 kHz, ± 0 dB

Signal-to-Noise Ratio: >110 dB, A-weighted / >120 dB, unweighted (C2)
>110 dB, A-weighted / >120 dB, unweighted (C2Z)

Gain: +10 dB (C2) / 11.5 dB (C2Z)

Input Impedance: 1 M Ω

Output Impedance: 0.05 Ω (C2) / 0.01 Ω (C2Z)

Distortion (full output): <0.002% (C2) / <0.00066% (C2Z)

Analog Inputs: 3 pr balanced XLR stereo; 1 pr unbalanced RCA stereo

Digital Inputs with Optional Digital Streaming Module (DSM):

1 ea SPDIF coaxial; RJ45 Ethernet; optical; USB-B; Wi-Fi

Outputs: 2 pr balanced XLR stereo; 1/4-inch headphone

Dimensions: (W x H x D) 17.0 x 8.9 x 15.2 in / 43.2 x 22.6 x 38.6 cm

Weight: 73.0 lb / 33.1 kg

Specifications subject to change without notice.



Limited Warranty

Dan D'Agostino Master Audio Systems, LLC (DDMAS) warrants the Momentum C2/C2Z Preamplifier against manufacturing defects and defects in materials for five years from the date of purchase from an authorized Dan D'Agostino Master Audio Systems retailer, or six years from the original ship date, subject to the conditions listed

1. Warranty covers only new products purchased from an authorized DDMAS dealer.
2. Warranty is non-transferable and is valid only for the original purchaser.
3. Warranty is valid only if the product has been used according to the instructions in the owner's manual. Damage due to accidents, owner abuse, or neglect is not covered under this warranty.
4. All service must be performed by an authorized DDMAS dealer. Damage resulting from service by other parties is not covered under this warranty.
5. Products returned for service must be packaged in the original container and must include a photocopy of the original purchase receipt. If the original packaging is missing, contact DDMAS for a replacement.
6. If the product must be shipped back to DDMAS for warranty service, the customer shall pay shipping costs. DDMAS will pay for return shipping.
7. Before shipping the product to DDMAS for service, the customer must first obtain a Return Authorization (RA) number by calling DDMAS. The RA number must be marked clearly on the outside of the package.
8. Warranty covers only defects in products made by DDMAS. It does not cover incidental or consequential damages, or damages to other products resulting from defects in DDMAS products.
9. U.S. residents: Depending on the state in which you live, you may have other rights not covered in this document. For further information, contact DDMAS.
10. Residents of other countries: The authorized importer or dealer bears direct responsibility for warranty coverage of the product. Please contact the importer or dealer with requests for service under warranty. DDMAS will work with the importer or dealer to ensure that the terms of the warranty are fulfilled.

Together, musical connections.

Please take a moment to tell us you have received your new component and ensure we have your preferred contact information. **Scan the QR code below** to provide your email address so we may serve you more quickly and keep you apprised of our latest innovations.



For questions about this component, product warranty, or other service matters, please reach our team at 480.575.3069 or email us at service@dandagostino.com.

Technical Updates

The most current version of this user manual is available to download at the link below.

SCAN THE QR CODE



HAND-BUILT
IN THE
USA

Dan D'Agostino
Master Audio Systems, LLC

dandagostino.com

Office: +1 480.575.3069

5855 E. Surrey Drive, Cave Creek, AZ 85331

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