McIntosh Laboratory, Inc. 2 Chambers Street Binghamton, New York 13903-2699 Phone: 607-723-3512 www.mcintoshlabs.com

CR106

SIX ZONE PREAMPLIFIER

OWNER'S MANUAL

FCC Information (For US Customers)

1. IMPORTANT NOTICE:
DO NOT MODIFY THIS PRODUCT
This product, when installed as indicated in the instructions contained in this manual, meets FCC requirements. Modification not expressly approved by McIntosh may void your authority granted by the FCC to use the product.

2. CAUTION:
- To comply with FCC RF exposure compliance requirement, separation distance of at least 20cm must be maintained between this product and all persons.
- This product and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

3. COMPLIANCE INFORMATION:
- Product Name: CR106 Six Zone Preamplifier
- Model Number: CR106
- This product contains FCC ID: XCO-HSBT5151

McIntosh Laboratory, Inc.
2 Chambers Street
Binghamton, NY 13903
Tel. (607) 723-3512

IC Information (Canadian Customers)

1. PRODUCT:
This product contains IC: 7756A-HSBT5151
This product complies with RSS-210 of Industry Canada. Operation is subject to the following two conditions:
(1) this product may not cause harmful interference, and (2) this product must accept any interference received, including interference that may cause undesired operation. This Class B digital Apparatus complies with Canadian ICES-003.

2. CAUTION:
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 permitted for successful communication.

Informations sur IC (pour les clients Canadiens)

1. APPAREIL:
Cet Appareil contiens IC: 7756A-HSBT5151
Cet Appareil est conforme à la norme CNR-210 du Canada. L'utilisation de ce dispositif est autorisée seulement aux deux conditions suivantes : (1) il ne doit pas produire de brouillage, et (2) l'utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif. Cet Appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

2. ATTENTION:
Afin de réduire le risque d'interférence aux autres utilisateurs, il faut choisir le type d'antenne et son gain de façon à ce que la puissance isotrope rayonnée équivalente (p.i.r.e.) ne soit pas supérieure au niveau requis pour l'obtention d'une communication satisfaisante.

Canadian Customers: CAN ICES-003 (B)/ NMB-003 (B)

RF Exposure Information
This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR).
Cet équipement est conforme aux normes d'exposition aux radiations FCC/IC définies pour un environnement non contrôlé et satisfait les directives d'exposition à la radiofréquence (RF) dans le supplément C des OET65 et RSS-102 des règles d'exposition à la fréquence radio (RF) IC. Cet équipement a de très faibles niveaux d'énergie RF qui sont jugés conformes sans test de taux d'absorption spécifique (SAR).

RED (EN) Information

1. DECLARATION OF CONFORMITY
Our products follow the provisions of EC/EU directives:
LVD: 2014/35/EU
EMC: 2014/30/EU
RED: 2014/53/EU
ERP: EC regulation 1275/2008 and its frame work directive 2009/125/EU
RoHS: 2015/863/EU

2. IMPORTANT NOTICE:
DO NOT MODIFY THIS PRODUCT
This product, when installed as indicated in the instructions contained in this manual, meets RED directive requirements. Modification of the product could result in hazardous Radio and EMC radiation.

3. CAUTION:
Separation distance of at least 20cm must be maintained between this product and all persons. This product and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

Thank You from all of us at McIntosh

You have invested in a precision instrument that will provide you with many years of enjoyment. Please take a few moments to familiarize yourself with the features and instructions to get the maximum performance from your equipment. If you need further technical assistance, please contact your dealer who may be more familiar with your particular setup including other brands. You can also contact McIntosh with additional questions or in the unlikely event of needing service.

McIntosh Laboratory, Inc.
2 Chambers Street
Binghamton, New York 13903

Technical Assistance (607) 723-3512
Fax (607) 724-0549

Customer Service (607) 723-3515
Fax (607) 723-1917

Email support@mcintoshlabs.com
www.mcintoshlabs.com

Please Take A Moment

For future reference, you can write down your serial number and purchase information here. We can identify your purchase from this information if the occasion should arise:

Serial Number: _____

Purchase Date: _____

Dealer Name: _____

Safety First

Please read the safety instructions included in a separate document called **Important Additional Operation Information Guide**.

What is in the box

Here is what is in the box besides all the shipping materials:

- One CR106 Six Zone Preamplifier
- One hardware package including:
  - Two Side Rack Mounting brackets
  - Four flat head Philips screws 6-32x¼”
  - Four Philips screws 8-32x⅜”
- One manual package including this manual
- One AC power cord

Introduction

Now you can take advantage of traditional McIntosh standards of excellence in the CR106. The CR106 Six Zone Preamplifier marries a long tradition of uncompromising quality with the latest audio matrix technologies to bring you an unsurpassed luxury entertainment experience across multiple playback locations.

Performance Features

- **Front Panel Illumination**
  The even illumination of the front panel is accomplished by the combination of custom designed light diffusers and extra long life Light Emitting Diodes (LEDs).
- **Glass Front Panel Display**
  The famous McIntosh illuminated glass front panel display uses a 2 x 20 character vacuum fluorescent display to indicate various operational setup and status notices.
- **Network Control**
  The CR106 is a network-connected product, and is best experienced with a network connection. This grants access to several key features, including the McIntosh Connect app and system expansion.
- **McIntosh Connect App**
  Available for iOS and Android, the McIntosh Connect app is the best way to control and configure the CR106. It offers complete access to the CR106 operating functions over a home network connection. Follow the in-app prompts to set up your CR106.

Scan QR Code
to download McIntosh Connect

- **Expansion**
  Up to 5 CR106 Six Zone Preamplifiers may be interlinked over a home network to support a system with up to 30 total zones.

Table of Contents

Trademark and License Information

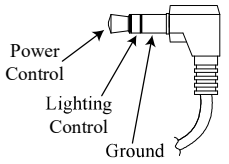
The McIntosh CR106 incorporates copyright protected technology that is protected by U.S. patents and other intellectual property rights. The CR106 uses the following technologies:

Trademark Logo	License Information
Bluetooth®	The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG Inc. and any use of such marks by McIntosh is under license. Other trademarks and trade names are those of their respective owners.
Qualcomm® aptX™ Adaptive Qualcomm® aptX™ HD	Qualcomm aptX is a product of Qualcomm Technologies, Inc. and/or its subsidiaries. Qualcomm is a trademark of Qualcomm Incorporated, registered in the United States and other countries. aptX is a trademark of Qualcomm Technologies International, Ltd., registered in the United States and other countries.
Dante®	Audinate®, the Audinate logo and Dante® are registered trademarks of Audinate Pty Ltd. All other trademarks are the property of their respective owners

Connector and Cable Information

Power Control Connectors

The CR106 TRIG 1-6 outputs on the rear panel send power on/off signals when connected to other McIntosh components.
A 3.5mm stereo mini plug is used for connection to the trigger outputs on the CR106. Also delivers meter lighting control to McIntosh amplifiers.



NET Port (Ethernet / 10baseT LAN)

Use an Ethernet cable to connect the CR106 to a network router. The network connector is located on the rear panel of the CR106 to the left of the CAUTION label. It is labeled NET.
By default, the CR106 has DHCP set to ON and will automatically receive an IP address from the router. This setting can be changed.

Optical

The two optical inputs allow digital sources to be connected to the CR106 using TOSLINK cables also known as “optical audio cables.” The optical inputs can handle high resolution digital audio up to 192kHz/24-bit. Unsupported formats can result in strange and/or unpleasant sounds.

Coax

The two digital coaxial inputs allow digital sources to be connected to the CR106 using Digital Audio RCA coaxial Cables. The coax inputs can handle high-resolution digital audio up to 192kHz/24-bit. Remember, unsupported formats can result in strange and/or unpleasant sounds.

Unbalanced Audio Outputs

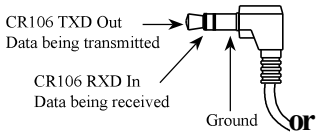
There are 6 zones, each including a pair of left, right, and Subwoofer channels for a total of 36 unbalanced RCA connections.

Qualcomm® aptX™ Audio

aptX™ is a codec that can provide CD quality music over Bluetooth connections. The CR106 will automatically utilize aptX when connected to a source that supports aptX.
The CR106 also supports the higher resolution aptX HD (24-bit/48kHz). If your device utilizes aptX HD then that resolution will be utilized automatically.
The CR106 also features aptX Adaptive. This technology works with supporting mobile devices to automatically select the best audio/latency performance for maximum listening enjoyment.

USB

There is a USB Type-A port on the rear panel of the CR106 which is labeled USB 5V/1A. The USB port is used for firmware upgrades and to save and restore CR106 setup information.



The USB port is not for general USB use charging devices.

RS232

The RS232-C data cable is a 3.5mm stereo mini plug used to connect to external third party controllers. Typical RS232 settings are:
8 data bits, no parity, and one stop bit
Baud rate fixed at 115,200 bits per second

AC Power

This connection is essential. Plug the supplied power cord into the AC connector located in the rear right corner of the CR106 and into a grounded, and functioning AC outlet.

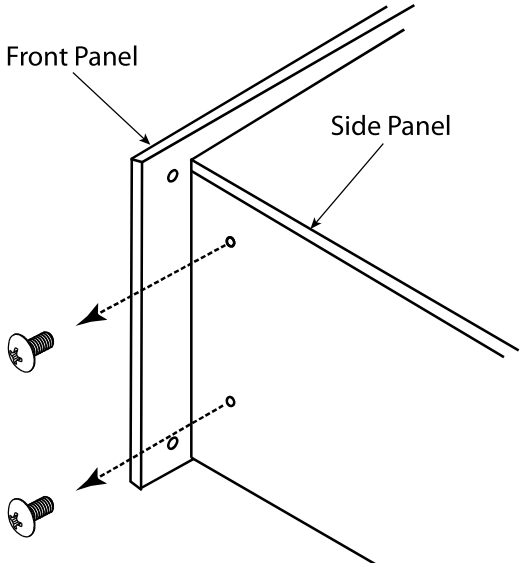
Custom Installation

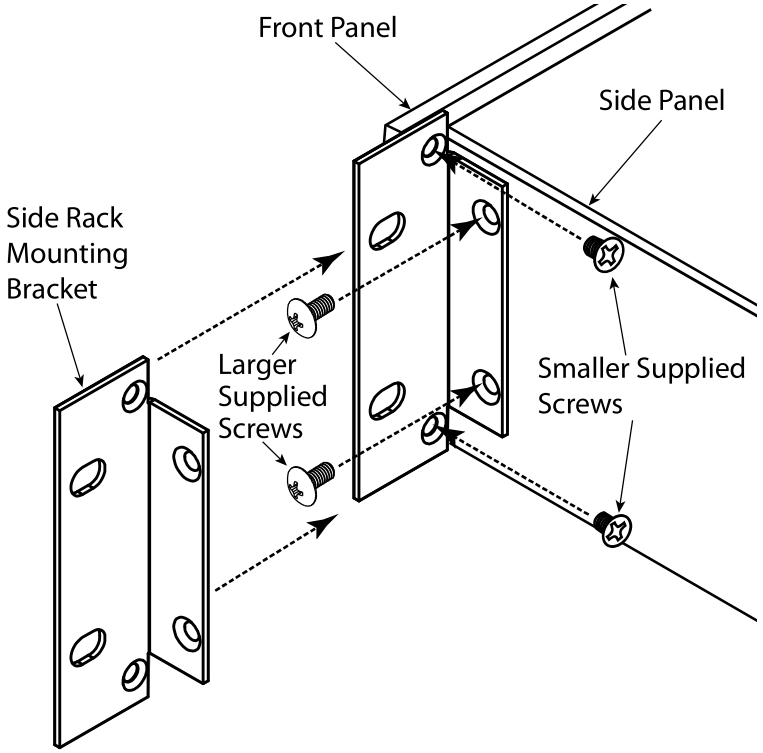
Remove the four feet when installing the CR106, and retain them with the fastening screws for possible future use.

Rack Mounting

To rack mount the CR106, the two included side rack mounting brackets should be installed.
Follow these instructions for each side:

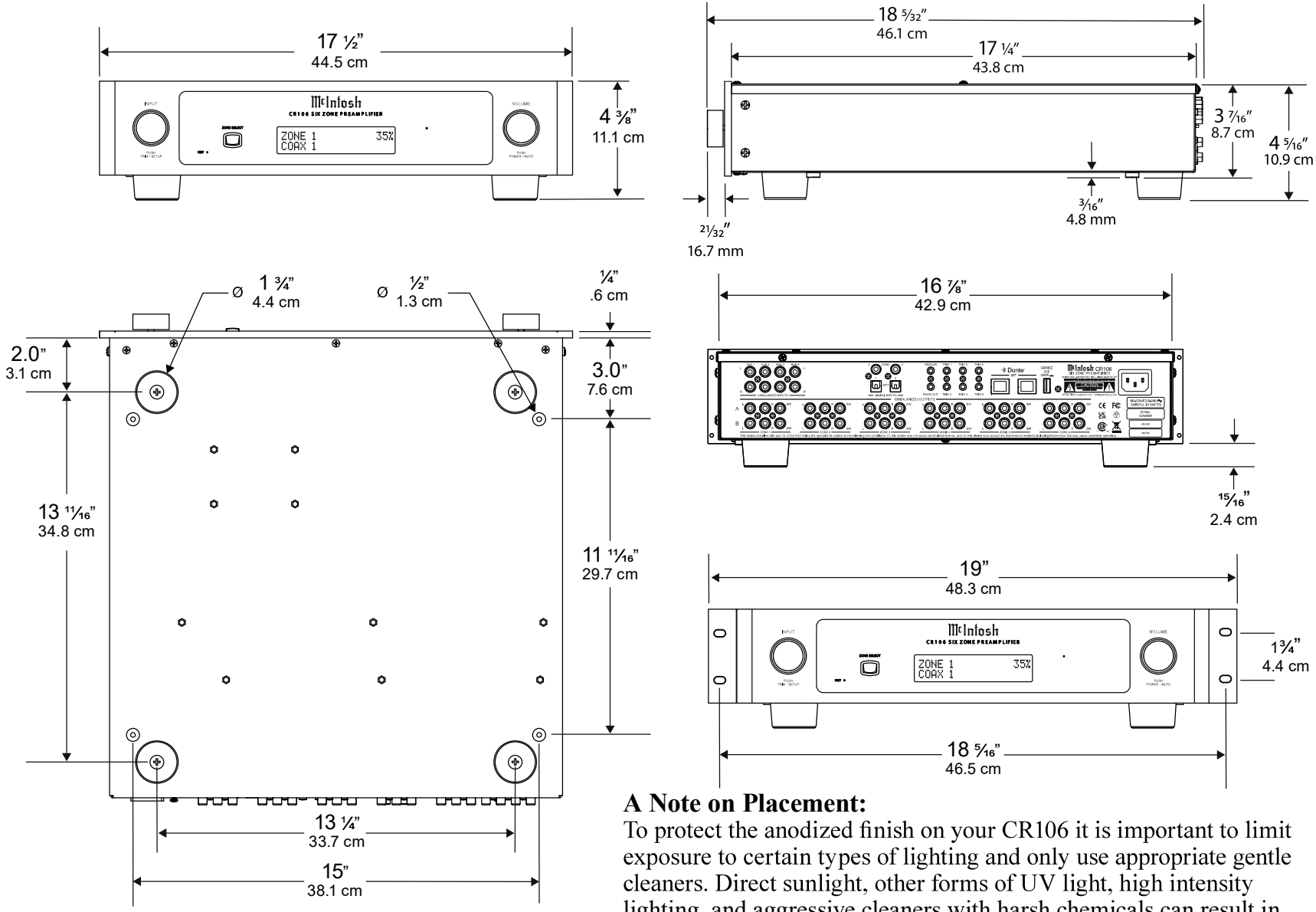
1. Remove the two screws from the front side of the CR106's side panel. Save these for future use if the mounting brackets are removed.
2. Secure the side rack mounting bracket to the CR106 using the larger supplied screws. Do not re-use the previously removed screws. Use the smaller supplied screws to secure the bracket to the front panel.





Dimensions

The CR106 needs to be placed upright on its four feet. It also can be custom installed, but it is necessary to provide adequate ventilation for cool operation, ensuring long life for the CR106. The following dimensions can assist in determining the best location for your CR106.

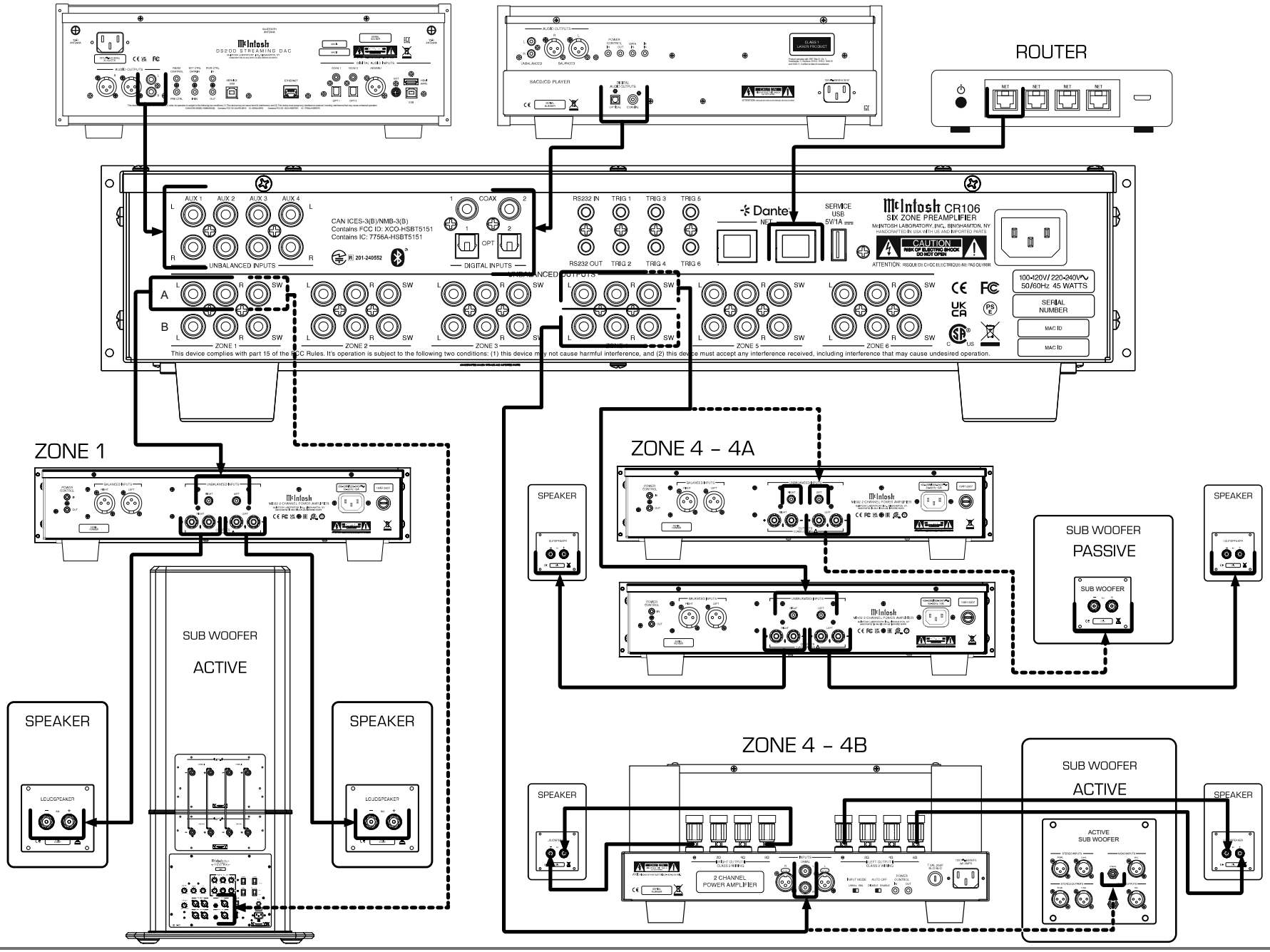


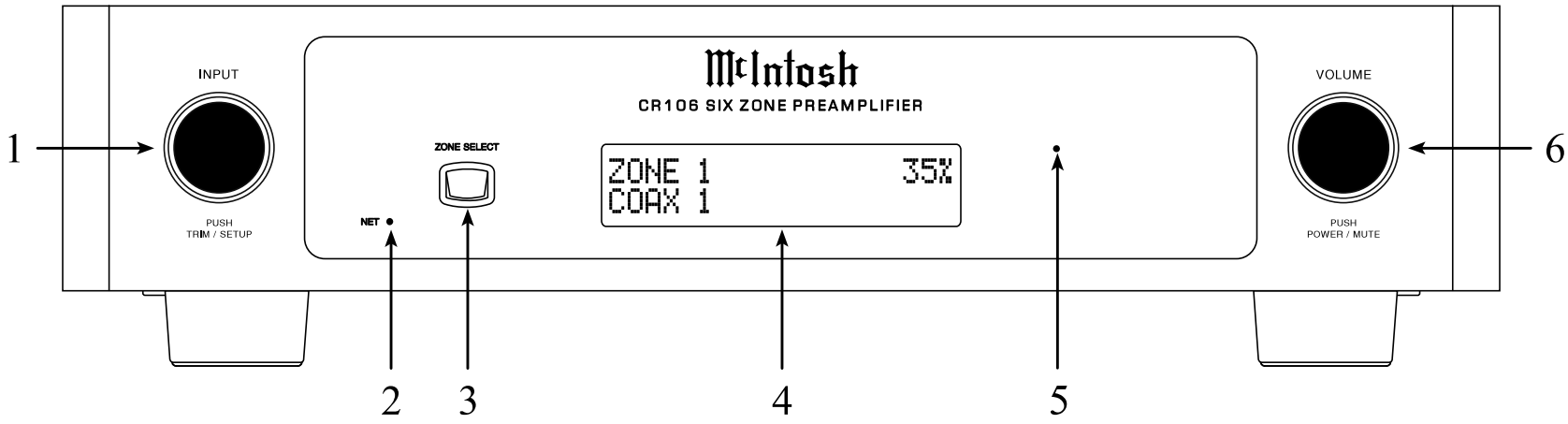
A Note on Placement:

To protect the anodized finish on your CR106 it is important to limit exposure to certain types of lighting and only use appropriate gentle cleaners. Direct sunlight, other forms of UV light, high intensity lighting, and aggressive cleaners with harsh chemicals can result in discoloration of the anodized finish.

Connection Diagram

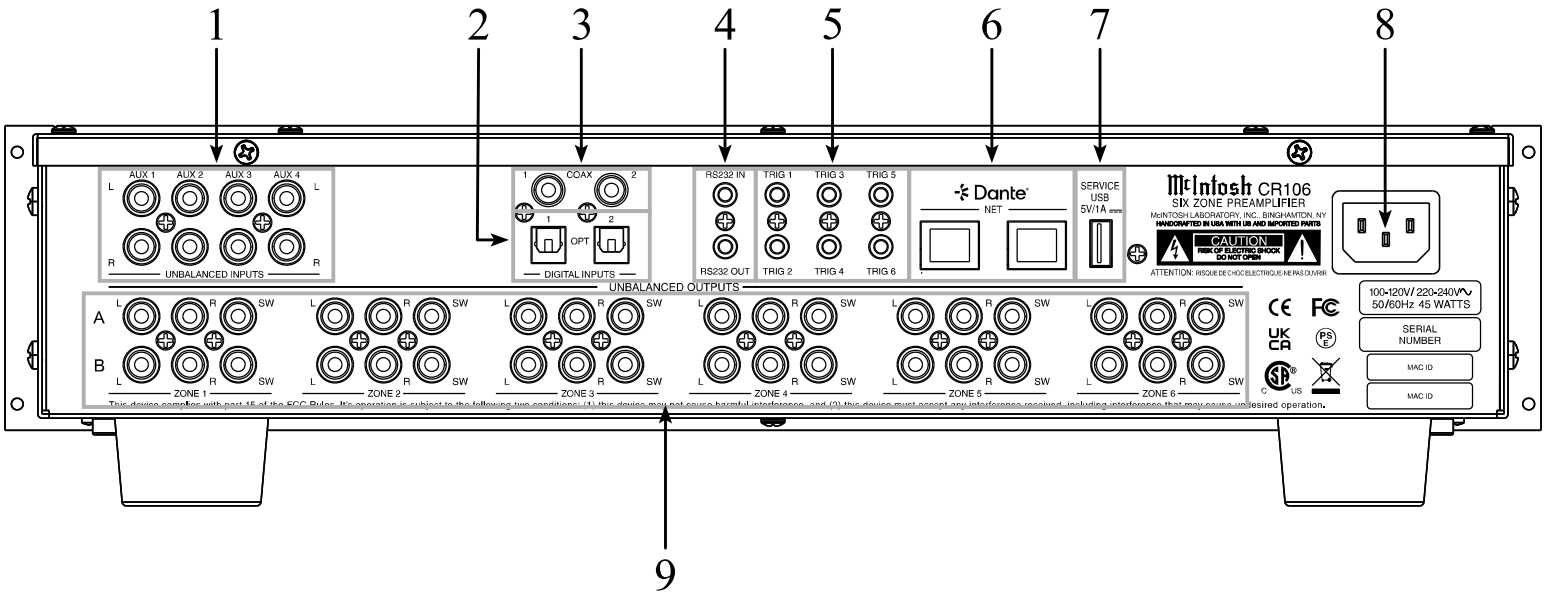
The following example shows only 2 Zones and 2 available wired inputs.





Front Panel

1. **INPUT** knob is used for the following:
   - **Input Selection:** Turn clockwise or counter-clockwise to scroll through inputs.
   - **Trim Menu:** Push and release to enter Trim Mode and rotate to navigate through options.
   - **Setup Menu:** Push, hold for two seconds, and release to enter setup mode.
2. **NETwork LED** indicates whether or not the CR106 is connected to a network.
3. **ZONE SELECT** button cycles through the set of all available zone contexts.
4. **VFD** (Vacuum Fluorescent Display) 2 x 20 character screen shows various messages for setup/trim and playback conditions.
5. **Standby LED** indicates AC connection and current power status.
6. **VOLUME** knob is used for the following:
   - **Power ON:** Quick press to power on the CR106.
   - **Adjust Volume:** Rotate to adjust the volume.
   - **Mute:** Quick press to toggle mute on or off.
   - **Setup/Trim:** Rotate to adjust Trim options once the menus are accessed using the INPUT knob.
   - **Power OFF:** Push and hold for 2 seconds to power down the CR106. POWER OFF will appear on the display.



Rear Panel

1. Four **AUX** RCA inputs
2. Two Toslink **OPT**ical inputs
3. Two **COAX**ial digital audio inputs
4. One ⅛ inch jack for **RS232** connector
5. **TRIG** (1-6) send turn On/Off signals to other McIntosh components
6. Two 10baseT **LAN** connector
7. **SERVICE USB**
8. **AC POWER** connection
9. Six **ZONES** each containing six unbalanced RCA connections:
   A (**L**eft, **R**ight, and **SW**-Sub)
   B (**L**eft, **R**ight, and **SW**-Sub)

Audio Routing

The CR106 allows any audio Input to be routed to any number of Zones. To change an Input from the front panel:

1. Use the ZONE SELECT pushbutton to cycle through available Zones.
2. Once the desired Zone has been selected, use the INPUT knob to select the Input to assign.

From the web browser interface:

1. Select the ROUTING tab.
2. Locate the desired Zone's row on the lefthand side of the routing matrix.
3. Locate the desired Input's column above the routing matrix.
4. Click the cell that corresponds to the Input's column and the Zone's row.

From the McIntosh Connect app:

1. Select the Home tab.
2. Tap the Zone select button to view all available Zones.
3. Select the desired Zone.
4. Repeat steps 2 & 3 for the desired Input.

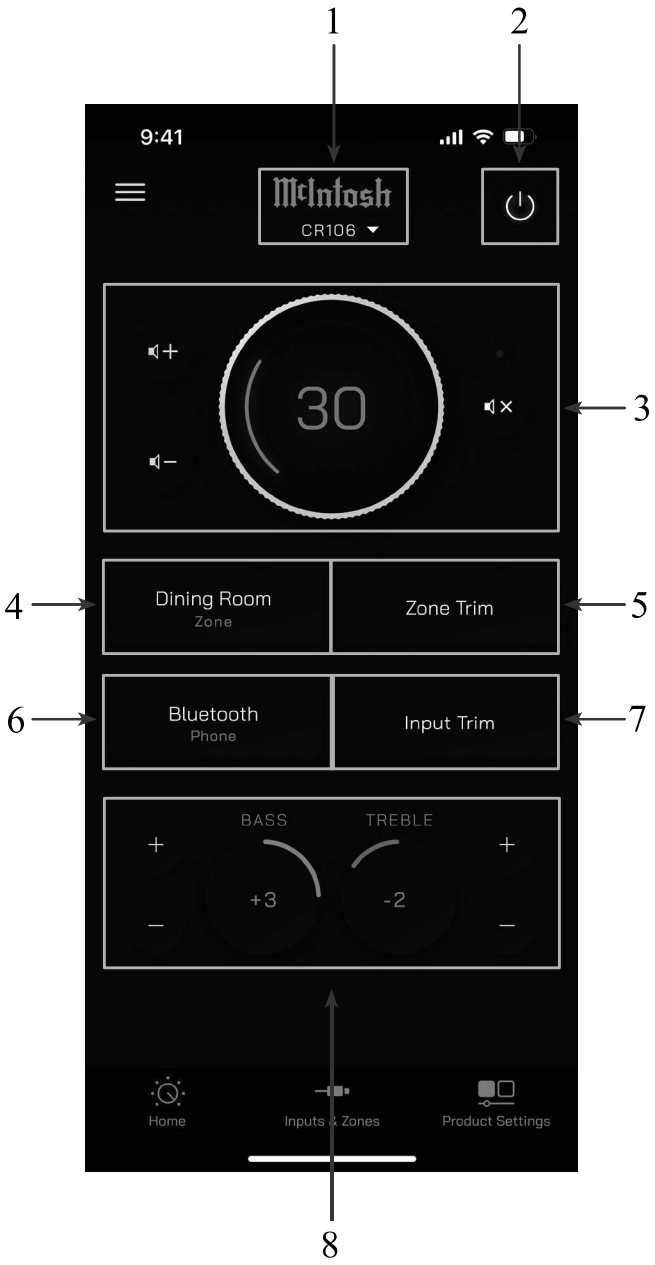
McIntosh Connect App Control

All operating functions are best accessed through the McIntosh Connect app. Whether it's audio routing, volume control, or Trim setting adjustment, the app provides an intuitive way to navigate and control settings for all inputs and zones.

Follow the in-app instructions to discover your CR106 through the app. Once it has been registered with the app, the Home screen will appear and grant access to your newly-connected CR106.

McIntosh Connect Home Screen

1. Device Selection: Here you can navigate to the Home screen of any McIntosh product that has already been registered through the McIntosh Connect app. You can also register a new product by pressing the plus icon that appears at the bottom of the device list.
2. Power Toggle: This button allows you to turn your CR106 on and off.
3. Volume Control: Access all volume-related controls for the currently selected Zone or Group (*see 4*). Adjust the volume level up or down using the discrete buttons, toggle mute, or tap the volume level indicator in the center to reveal a volume slider. If a Group is selected as the current context, this will instead reveal a bank of sliders: one for the Group's master volume, and one for each Zone contained within that Group
4. Zone/Group Select: Select from any available Zone or Group in your system. Once selected, the Home screen will update to reflect the context of the chosen Zone or Group.
5. Zone Trim: Each Zone can be finely adjusted to suit its corresponding setup, including EQ, balance, and relative output levels within the selected Zone.
6. Input Select: Any Input can be assigned to any Zone or Group. Choose from the available Inputs to update the assignment of the currently context. This will not overwrite any existing assignments for other Zones or Groups.
7. Input Trim: Adjust the selected Input's Trim Level.
8. Tone Control: Adjust Bass and Treble for the currently selected Zone.



The Trim Menu allows you to make and store adjustments to various settings for each Input and Zone.
The following table lists the trim options and the range of values that can be adjusted:

Setting	Values
Trim Input	-10dB to +10dB
Bass	-12dB to +12dB
Treble	-12dB to +12dB
EQ	Select to apply to current zone
Balance	-50dB to +50dB
Trim B Out	-10dB to +10dB
Trim Subwoofer	-10dB to +10dB
Meter Lights	Off, On
Display Brightness	25%, 50%, 75%, 100%
Bluetooth Pair	

Trim Menu Using Knobs

To enter the trim menu, press and release the INPUT knob. (Holding the knob for two seconds enters the Setup Menu instead of the Trim Menu.) Scroll through the options by turning the INPUT knob.
Change the values of the current option by rotating the VOLUME knob. Turn the INPUT knob to select another option to edit, or press the INPUT knob and release to exit the menu. Changes will be saved.

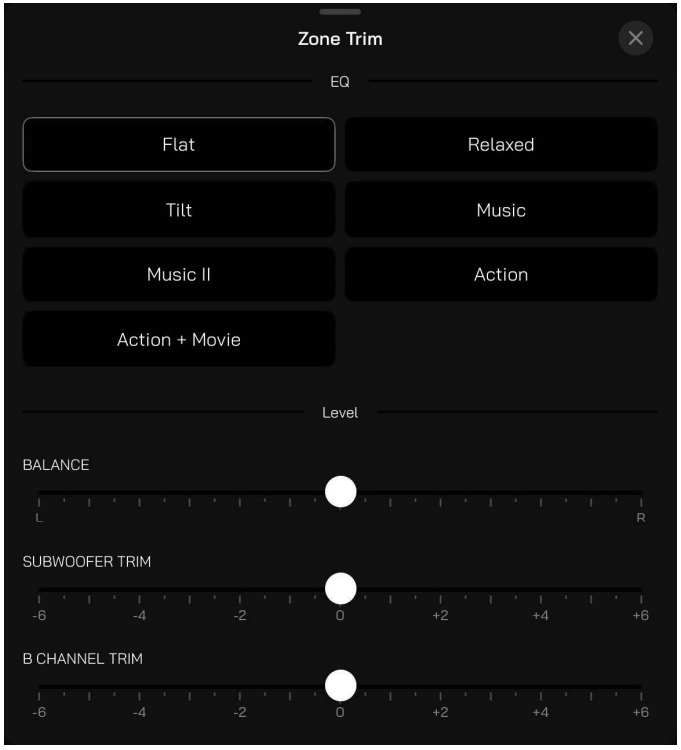
Input Trim Level

The Input Trim setting is applied per Input. Source components can have slightly different volume levels, resulting in the need to readjust the VOLUME knob when switching between different sources. The CR106 allows the adjustment of levels for each of the source inputs for the same relative volume.

Zone Trim Settings

Most trim settings are saved per zone. For these settings, changes to one zone will not affect another zone. The following trim settings are saved by individual zone:

- Bass
- Treble
- EQ
- Balance
- Trim B Out
- Trim Subwoofer



Balance

Listening balance varies with different program sources, room acoustics, and listening positions relative to the loudspeakers. Adjust the Balance to achieve equal volume levels in each loudspeaker.

Global Trim Settings

Some trim settings are saved globally. Making a change to these settings apply independent of the selected zone or input global trim settings are:

- Meter Lights
- Display Brightness

Bluetooth Pairing

The following steps are the fastest way to connect to the CR106 and start listening to music:

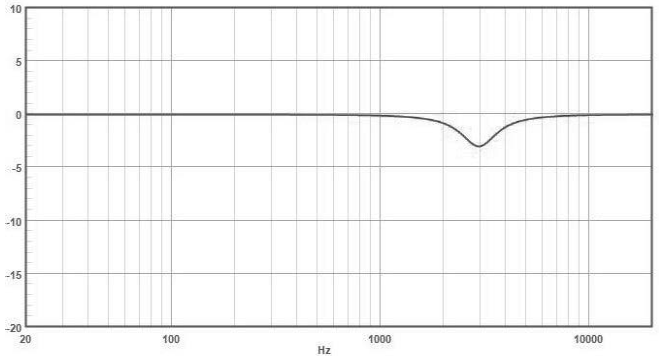
1. Connect to the CR106 to AC Power.
2. Power the CR106 On by pressing and releasing the POWER/MUTE button.
3. Rotate INPUT knob to show BLUETOOTH. Press the INPUT knob to enter the trim menu. Rotate the left knob until Bluetooth Pair is shown. Press and hold the INPUT knob to enter the Paring Mode. This action is automatic for first time powering On or immediately following a factory reset.
4. On the phone (or other device) you wish to connect, press SCAN in the Bluetooth section of Settings.
5. The CR106 will appear as “CR106-AMUxxxx” in Available Devices.
6. Choose the CR106 to pair.
7. When asked to confirm you want to pair the CR106 to your device, select OK.
8. The CR106 should now be “Connected for audio.”
9. Play some music.

Trim Menu

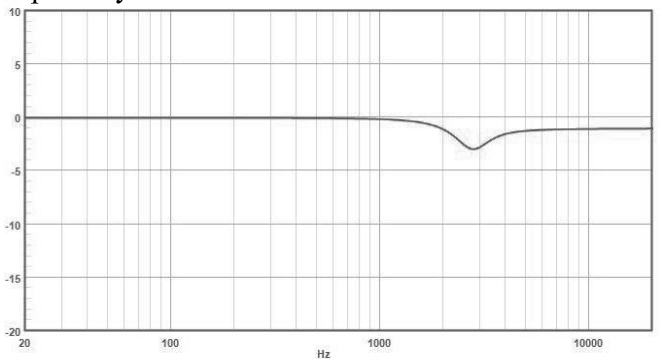
EQ

Selecting an EQ voicing sets an easy tonal adjustment to enhance playback enjoyment.
The selection is applied to the current zone, and remains active with that zone only until changed.
The available Voicing EQ filters are shown on the right.

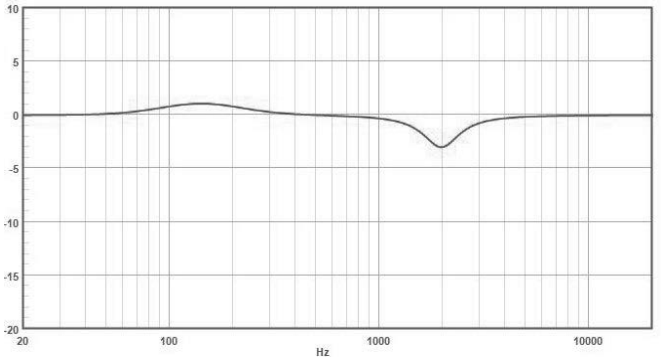
Music: Attenuates frequencies near 3 kHz.



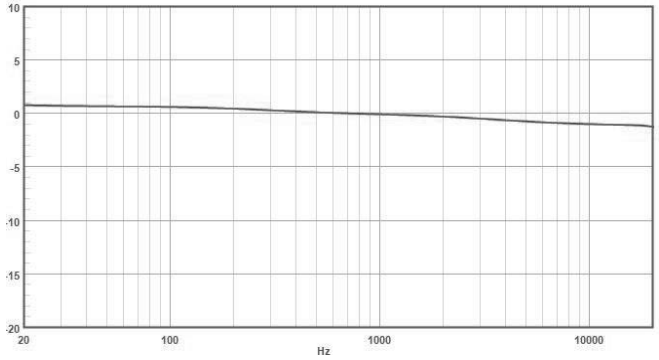
Music II: Slightly attenuates high frequencies, especially near 3 kHz.



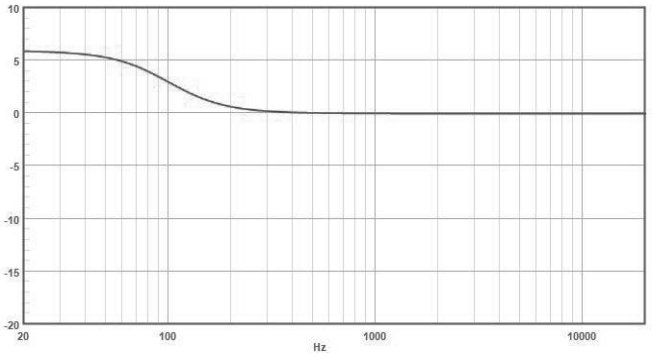
Relaxed: Attenuates frequencies near 3kHz and boosts frequencies near 150Hz



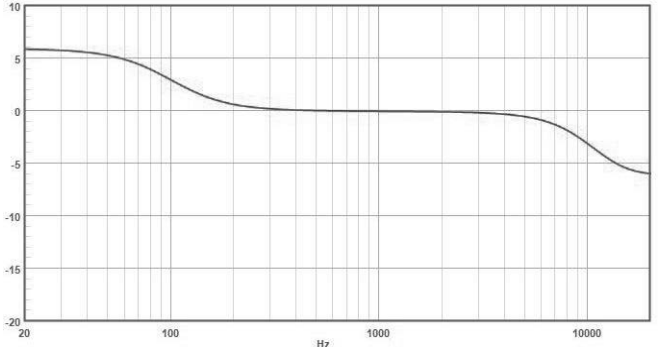
Tilt: Attenuates high frequencies and slightly boosts very low frequencies.



Action: Greatly accentuates low frequencies.



Action + Movie: Boosts low frequencies and attenuates very high frequencies.



Setup Menu

Changing Settings

There are three ways to change the settings of the CR106.

1. Use the front panel and the Vacuum Fluorescent Display (VFD) and the INPUT and VOLUME knobs.
2. Using a browser on a connected computer
3. McIntosh Connect App

Most will find it easier to navigate and enter information on a computer or from the app. If you don't have a connected computer or the CR106 is not connected to your network, then using the front panel method can accomplish almost all the same things using some additional patience.

Setup from a Browser

Setup is easier from a web browser. Open a browser window on a computer connected to the same network as your CR106. Enter the IP address for the CR106 in the address bar of your browser (see "Network > Host IP Address" on page 14).

Navigating Setup with the Front Panel

To enter setup mode using the front panel press and hold the INPUT knob for two seconds and then release. A shorter push of the INPUT knob will bring up trim settings.
To return to any previous menu, scroll down to last menu choice and press the INPUT knob.
The Setup menu will time out after 30 seconds of no user input.

Setup Menu Options

- System
- Inputs
- Zones
- Exit
- Network
- Triggers
- Experience

System Setup Menu

Setting	Options
Product	CR106-XXX____
Firmware	_._ _
Update	
Auto-Off	Disabled, **Enabled**
Power Save	**Disabled**, Enabled
Factory Reset	Default Setting
Config	Load/Save
Exit Menu	Return to Setup Menu

Product Information

Specific identifying information for the CR106, including the Product Firmware Version, can be found on the Product Information page of the System Setup Menu. This firmware effects the main circuitry and can be identified by opening the System Setup Menu.

Firmware

Firmware is software that controls hardware at a low level. Occasionally, new versions of firmware may be issued to add new features, or address particular issues. These can be viewed from either the browser interface, or the McIntosh Connect app.

Update

By default, the CR106 will periodically check for updates. To disable automatic updates, perform the following steps:

1. Use the INPUT knob to enter the System Setup Menu.
2. Rotate the input until the following appears on the information display.

3. Rotate the VOLUME knob to until the following appears on the information display.

4. To check for a firmware update in Manual mode, hold the INPUT knob. After a few seconds, the information display will indicate that a check is being performed. If an update is found, it will be deployed immediately.
5. Exit the System Setup Menu by pressing the INPUT knob.

In the absence of a network connection, a manual update can also be performed via the USB Service Port. If valid firmware is detected when the update is invoked, it will be deployed to the CR106.

Auto-Off

The CR106 incorporates power save circuitry to automatically place the CR106 into the power saving standby mode approximately 30 minutes after there has been an absence of an audio input signal or other user input

Power Save

Enabled: All network-based functionality, including app control, will be disabled when the unit is in Standby mode, preventing remote activation. The RS232 and Power Control remain active.
Disabled: The CR106 will maintain network connections. This will allow the unit to be remotely activated and turned On by your mobile or other network-connected device.

Factory Reset

Factory Reset will restore the CR106's defaults. Any changes made will be lost. See the "Config" section for information regarding saving and loading system-wide settings.

System Setup Menu *continued*

Configuration Files

A system's configuration can be stored to a USB drive using the SERVICE USB port.

To save a configuration to a USB device:

- Insert a USB Drive in the CR106 USB port.
- From the Config setting page, select Save, then press INPUT.
- A CONFIG.bin file will be created and copied to the USB device which contains the custom CR106 settings

To load a saved configuration:

- Insert the USB Drive with the configuration file stored in the root directory in the CR106 USB port.
- Go to the Config setting page and select Load.

Network Setup Menu

Setting	Options
Name	
Link ID	
Host IP Address	
Host MAC Address	
DHCP **Setting only available via web browser and the McIntosh Connect app*	Disabled, **Enabled**
Menu Exit	Return to the Setup Menu

Network Information

- Name of your CR106 as it appears on the network. A custom name can be assigned from the browser interface or McIntosh Connect app.
- Link ID indicates the unique identifier of the CR106 among the set of all interlinked CR106 devices. A Leader CR106 in a multi-device system will always have a Link ID of 1.
- Host IP address will display the IP address of the CR106.
- Host MAC address will display the MAC address of the CR106.

DHCP

By default, the CR106 uses DHCP to automatically configure network settings. Manual configuration is available only through the browser Interface, and McIntosh Connect app, and requires DHCP to be disabled. Available settings include:

- IP address
- Gateway (typically the IP address of your router)
- Subnet mask (typically 255.255.255.0)
- DNS address (typically the IP address of your router)

When you have completed making network settings changes, select the "Apply All Settings" button to save your changes.

Connecting Additional CR106s

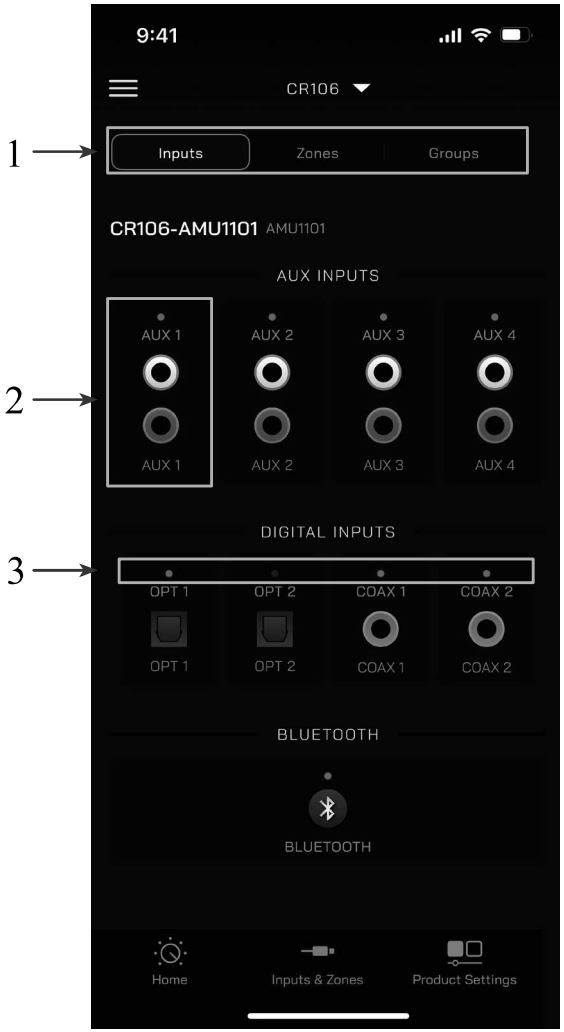
As many as 5 total CR106 preamplifiers can interlink over a local network, granting full control and customizability of up to 30 zones from a single control interface:

1. Connect one CR106 to the network, then verify its connection status by observing a solid green NET LED.
2. This will be the designated Leader. It will communicate user input to all other interlinked CR106s on the network.
3. From the Leader's web browser interface, navigate to the NETWORK tab and select "Multi," set its ID to 1, then "Apply All Settings."
4. For each additional CR106, connect to the network, then repeat step 3, but assign each a unique ID (2 through 5) before clicking "Apply All Settings."
5. Once these settings have been applied, each Follower's role will update from "Leader" to "Follower" automatically.

Inputs Setup Menu

Each available Input can be managed by navigating to its corresponding submenu. Press the INPUT knob to access the selected Input's setting.

Setting	Options
Hide Inputs	**Show**, Hide
Name	
Menu Exit	Return to Setup Menu



Hide Inputs

Unused Inputs can be hidden from the set of assignable Inputs. When scrolling through Inputs from the Home screen, hidden Inputs will be omitted. By default, all Inputs are shown.

Renaming Inputs

To change the name of an Input, use the browser interface or McIntosh Connect app to set a custom name, or choose one of the preset options from the provided list.

Note: Custom names have an 10 character limit and will not save if you type more than 10 characters.

McIntosh Connect Inputs Screen

1. Tab Selection: Choose between managing Inputs, Zones, or Groups.
2. Input Configuration: Selecting an Input presents its configuration settings.
3. Enabled/Disabled Indicator: Informs whether an Input is currently enabled or disabled (hidden). Disabled Inputs are omitted when viewing the set of available Inputs to assign to a Zone or Group

Trigger Setup Menu

Trigger

Triggers 1-6 can each be set to power on/off components connected via a power control cable (see "Power Control Connectors" on page 4). Each Trigger can be set to:

- ALL sets the power control setting of all inputs to On. With this selection, any Input will generate a power control signal to be sent for that Trigger. ALL is a quick way to change all the Inputs to On. You can switch to INDEPENDENT to set any individual Input to Off.
- NONE sets the power control setting of all Inputs to Off. With this selection, no Input will generate an On signal for the Trigger. NONE is a quick way to change all the Inputs to Off. You can switch to INDEPENDENT to set any individual Input to On.
- INDEPENDENT allows each individual Input to be set to On or Off. When an Input that is set to On is selected, connected components will receive a power control signal to power on until the selected Input is changed (to an Input that is set to Off) or the CR106 is powered Off.

Zones Setup Menu

Setting	Options
Hide Zones	**Show**, Hide
Name	
Low Pass Filter	**Disabled**/Enabled, 40 to 120Hz
High Pass Filter	**Disabled**/Enabled, 40 to 120Hz
Menu Exit	Return to Setup

Hide Zones

Unused Zones can be hidden from the set of assignable Zones. When scrolling through Zones from the Home screen, hidden Zones will be omitted. By default, all Zones are shown.

Renaming Zones

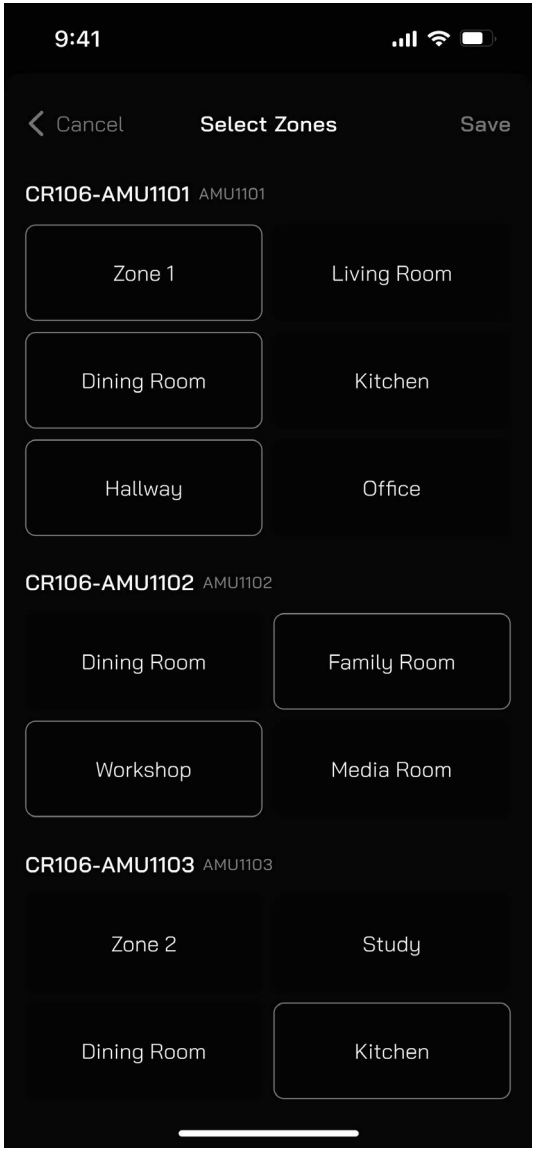
To change the name of an Zone, use the browser interface or McIntosh Connect app to set a custom name, or choose one of the preset options from the provided list.

Note: Custom names have an 11 character limit and will not save if you type more than 11 characters.

Adjustable Crossover Filtering

The CR106 has built-in adjustable crossover filtering per-Zone to support a fully customizable setup. For the Left and Right channels, a High Pass Filter can be enabled to omit lower frequencies intended for subwoofers. For the Subwoofer channels, a Low Pass Filter can be enabled to omit higher frequencies intended for midrange speakers and tweeters. To set the frequency threshold for a given filter, use the slide bar, or simply type in the desired value. Each filter can be independently enabled or disabled at any time.

Group Setup Menu



Groups

A Group is a collection of Zones that can be controlled with a common volume control; when adjusting the volume level of a Group, the volume levels associated with each Zone within that Group are updated to reflect the change. When a Group is created via the browser interface or McIntosh Connect app, the group is appended to the list of available Zones. Groups can also overlap, meaning that any Zone can be part of any number of Groups simultaneously.

Group Volume Level

The CR106 gracefully handles all volume adjustments across all Zones and Groups—including overlapping Groups—to ensure a seamless listening experience. Adjusting the volume of any given individual Zone will preserve the volume level of other Zones it may share a Group with. Similarly, overlapping Groups, which contain one or more common Zones, can be adjusted independently. The Group volume levels will update to reflect changes that have been made to the common Zone(s), while preserving the Zones that are unique to each Group.

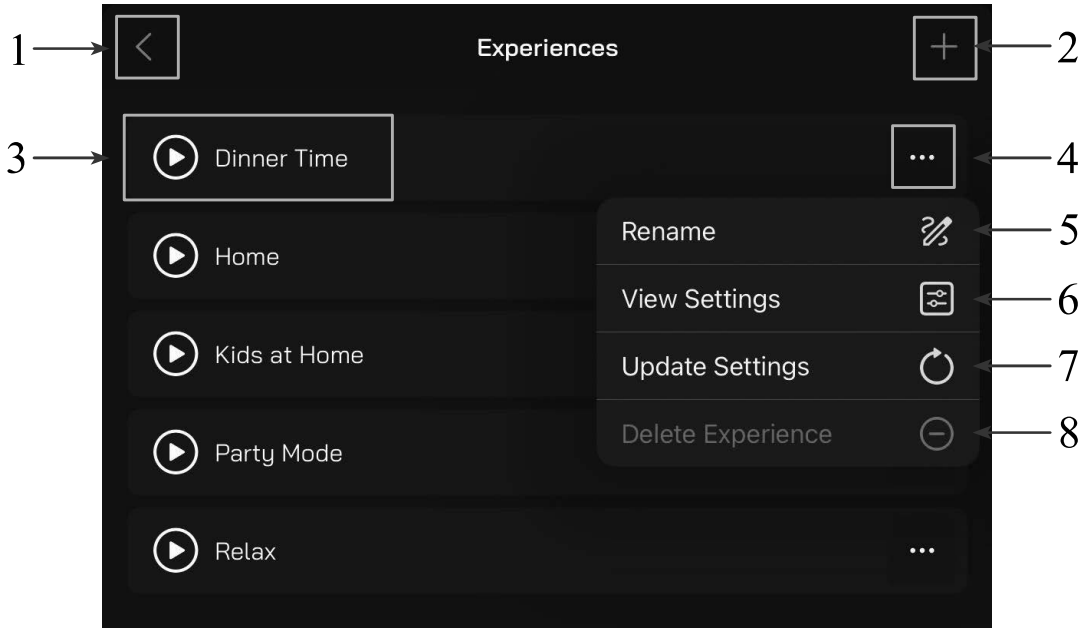
Assigning Inputs

When an Input is assigned to a Group, that Input assignment gets applied to all Zones within the Group. If, however, an individual Zone is assigned a new Input, the existing assignments of other Zones that the original Zone may share a Group with will be preserved.

Experience Setup Menu

Experiences

An Experience stores a complete set of Input assignments and volume levels for all Zones and Groups of the system.



1. Return to Product Settings
2. Create New: Create a new Experience to capture current all volume levels and Input assignments for each Zone in your system (2b). This information will be stored with the name provided (2a). To execute the capture, tap “Save” (2c).
3. Load: Previously defined Experiences will appear in this list. Tap the play icon to apply the stored settings. This action will overwrite any existing input assignments and volume levels.
4. Manage: Tap the ellipses icon for any Experience to access its management settings.
5. Rename: An existing Experience can be given a new name at any time.
6. View Settings: Here you can preview all settings stored within a given Experience before recalling it for use.
7. Save/Update Settings: Updating an Experience overwrites all stored settings by capturing the values currently being used by the system under the Experience’s original name.
8. Delete Experience: Once an Experience has been deleted, it will be removed from the list of available Experiences.

Audio Specifications

Frequency Response
±0.5dB from 20Hz-20kHz

Total Harmonic Distortion
High Level Inputs: 0.005% maximum from 20Hz to 20kHz

Signal To Noise Ratio - A Weighted
High Level: 96dB below rated Output

Rated Output Voltage
2.5V Unbalanced Outputs

Maximum Voltage Output
7V Unbalanced

Output Impedance
330 Ohms

Input Impedance
High Level: 50k Ohms Unbalanced

Sensitivity for Rated Output
High Level: 450mV Unbalanced

Maximum Input Signal
High Level: 4.5V Unbalanced

General Specifications

Note: the CR106 has been tested and certified for indoor use only.

Power Requirements
Field AC Voltage conversion of the CR106 is not possible. The CR106 is factory configured for one of the following AC Voltages:
100 Volts, 50/60Hz at 45 watts
110 Volts, 50/60Hz at 45 watts
120 Volts, 50/60Hz at 45 watts
127 Volts, 50/60Hz at 45 watts
220 Volts, 50/60Hz at 45 watts
230 Volts, 50/60Hz at 45 watts
240 Volts, 50/60Hz at 45 watts
Standby, less than 0.5 watt
Note: Refer to the rear panel of the CR106 for the correct voltage.

Overall Dimensions
Width is 17 ½ inches (44.5cm)
Width with Side Mount Brackets 19 inches (48.3cm)
Height is 4 ⅜ inches (11.1cm)
Depth is 18 ⅝₂ inches (46.1cm)

Weight
15 pounds (6.8 kg) net
37.5 pounds (17 kg) in shipping carton

Shipping Carton Dimensions
Width is 24 ⅞ inches (63.2cm)
Depth is 26 ⅞ inches (68.3cm)
Height is 12 inches (30.5cm)

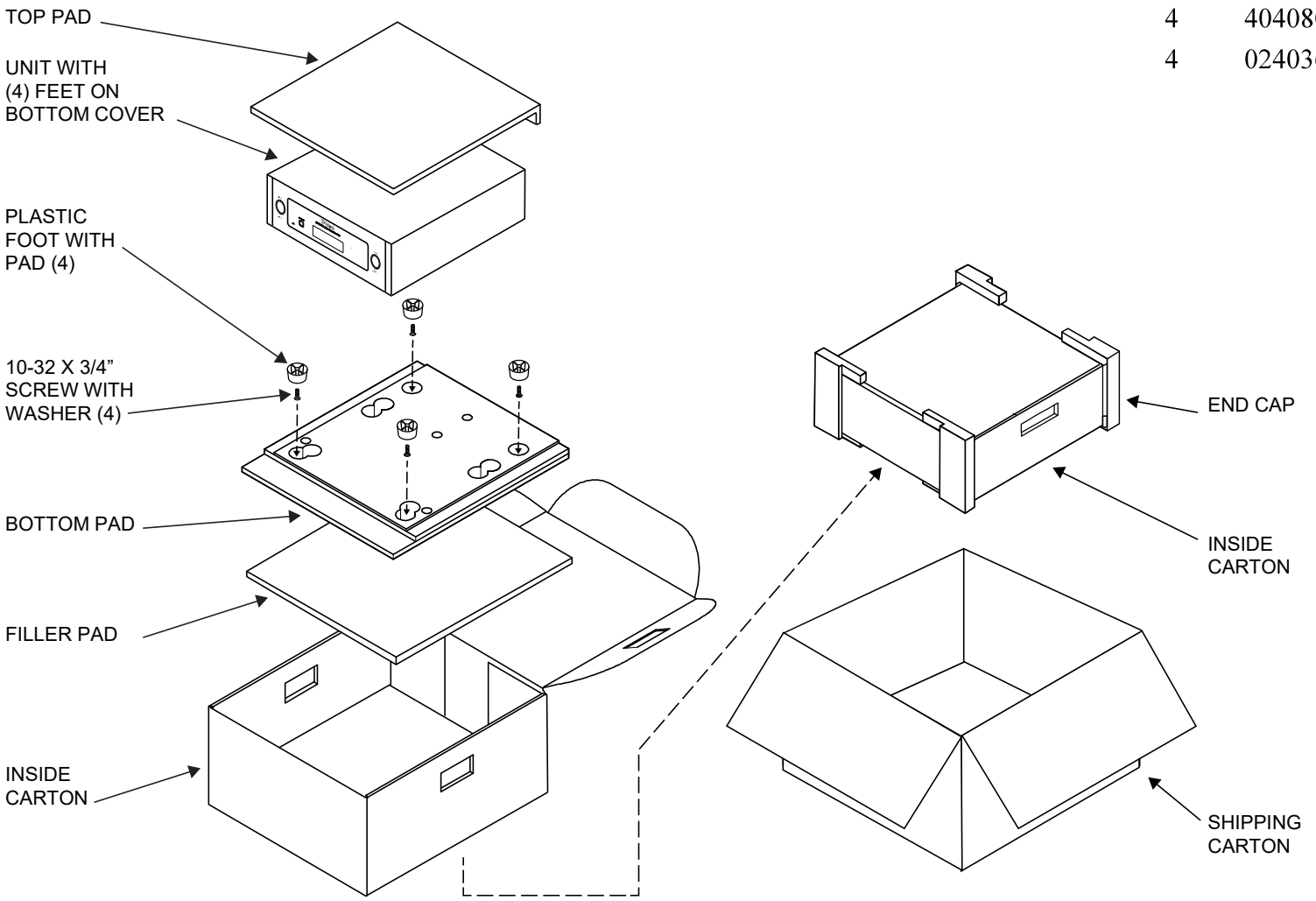
Power Control Trigger Output
12VDC, 50mA maximum total

Packing Instructions

In the event it is necessary to repack the equipment for shipment, the equipment must be packed exactly as shown below.

It is very important that the four plastic feet are attached to the bottom of the equipment. This will ensure the proper equipment location on the bottom pad. Failure to do this will result in shipping damage.

Use the original shipping carton and interior parts only if they are all in good serviceable condition. If a shipping carton or any of the interior part(s) are needed, please call or write Customer Service Department of McIntosh Laboratory. Refer to page 3. Please see the Part List for the correct part numbers.



Part List

Qty	Part Number	Description
1	033838	Shipping Carton only
2	034669	End Caps
1	033836	Inside Carton only
2	033725	Top /Filler Pad
1	034576	Bottom Pad
4	017937	Plastic Feet
4	400159	#10-32 x ¾" Screws
4	404080	#10 Flat Washers
4	024036	Foot Pads

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The CR106 is designed to employ non-McIntosh provided services some of which require separate customer subscriptions and some of which do not, as part of the Product's functionality. Because McIntosh cannot control the providers of such services or the services themselves, the owner of the Product therefore assumes all risks related to the use of services provided by anyone other than McIntosh itself. McIntosh cannot and does not warrant against, and shall have no liability of any kind for any of the following that are attributable to non- McIntosh providers or services: (i) interruption, discontinuance, or other unsatisfactory performance of service; (ii) reduced Product functionality that is so attributable; or (iii) any other loss or damage of any kind that is so attributable.

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of its products is the policy
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