Control 4 ®

Media Controller
Installation and User Guide
AVM-MC1-B

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Contents

About This Guide

Notes, Tips, Cautions, and Warnings

Media Controller Installation and User Guide Note, Tip, Caution, and Warning paragraphs draw your attention to safe practices and additional information which may help you avoid losing data or time.

NOTE: These contain notes on related information about the current topic.

TIP: These provide tips that may save you time or effort.

CAUTION! These provide specific cautions about improper use of equipment or failure to follow safety instructions that may cause bodily injury. DO NOT IGNORE A CAUTION!

WARNING! These provide specific warnings about improper use of equipment or failure to follow safety instructions that may cause data loss or equipment damage. DO NOT IGNORE A WARNING!

Additional Resources

The following resources are available to provide you with additional support.

▸ *Your authorized* Control4 *representative or reseller.*

▸ Control4 Web Site: http://www.Control4.com/

1 Introduction to Media Controller

This chapter introduces a Control4 home system and explains the important role a Media Controller plays in that system.

Role in a Control4 System

Control4 systems are uniquely configured for every customer and every site. Your system may be simple or complex, depending on what you want the system to control.

An essential component in every Control4 home system is a controller, such as Media Controller, that acts as the brain of the system. In addition to providing control options, Control4 controllers are designed to meet specific home system needs. Media Controller, for example, provides extensive media management services and has a large hard drive for audio storage (mainly for CDs that you rip to the hard drive).

NOTE: During the importing process, Media Controller converts CDs to MP3 or WAV format to provide convenient playback.

Once music has been imported to the Media Controller hard drive, or other media has been stored in connected devices, you can use Media Controller to manage your media collections, play music, or access other stored media.

Features and Benefits

Music Server

- 80 GB hard drive
- Multiple input options
- Multi-room audio
- Digital audio streaming
- Gracenote® and Muze®
- Customized playlists

Powerful Home Automation Controller

- Complete control of IR, contact, relay, and serial connections to control the whole house
- ZigBee mesh networking (802.15.4), WiFi (802.11b), or Ethernet communication
- Seamless integration (Works with Control4 and a comprehensive array of third-party components

Multiple Interfaces — Uses Control4 Touch Screens, Keypads, System Remote Controls, or the included On-Screen Navigator.

Requirements

To use Media Controller as designed, meet the following requirements list:

- Network wiring or wireless network in place (such as Ethernet or WiFi-802.11b) as needed, including an Ethernet connection for Media Controller
- Media Controller (included)
- System Remote Control (included)
- A monitor or TV for on-screen navigation and control

Supported Devices

For any controller purchased through Control4, see the web site http://www.mycontrol4.com to obtain a list of what you can add to your system.

NOTE: For a complete list of supported devices and solutions, see "Products" at http://www.Control4.com

What's in the Box

The following hardware and software is required and included in your Control4 Media Controller box.

▶ Control4 Media Controller with On-Screen Navigator user interface.

▶ Control4 System Remote Control (with 4 AAA Batteries)

▶ Component video cable

▶ S-video cable

▶ Composite video cable

▶ IEC power cord

▶ IR emitters (8)

▶ Stereo RCA cable

▶ WiFi antenna extension cable

▶ Control4 On-Screen Navigator User Guide

▶ This manual

About the Media Controller

Control4 Media Controller is a complete digital music server and home automation controller that ships with an on-screen menu for navigation. Media Controller is a key component in any Control4 system where music storage and management is required. In addition to the supported

audio features, Media Controller also manages lighting, temperature, and other home automation subsystems.

For audio distribution, it allows you to define pre-amplifier audio play zones (up to 3 analog and many digital) and enables digital distributuon. (Note: Digital audio zones require a network connection—such as Ethernet or WiFi—to function.)

The Media Controller provides media management. It also provides control of connected devices. (For detailed installation instructions, refer to "Set Up the System" on page 11.)

Once the Media Controller is set up, it will dynamically maintain the options displayed on any navigation device associated with it (such as a Mini Touch Screen or a System Remote Control). These options include room-specific menus and controls.

Front View with Door Opened

1...................2................3...........4........5.....6........7.......8
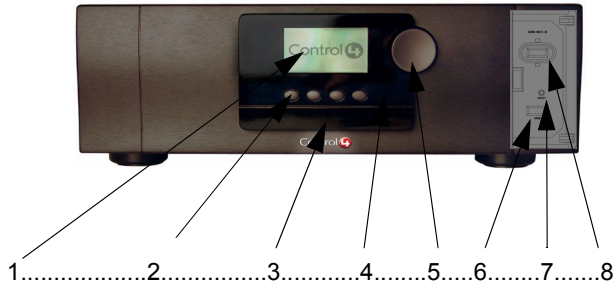
1. **Front display area**—For displaying settings, playlist sections, title sections, media information, receiver status, and system menus.

2. **Buttons**—Provides the user-input method for options displayed in the front panel user interface.

3. **CD-RW drive**—For importing CDs into the system or playing CDs.

4. **IR In window**—For reading IR codes or commands from hand-held devices (such as third-party remote controls) that are being set up, or have been set up, to work with Media Controller.

5. **Select Dial**—For scrolling through menus and media lists displayed in the LCD.

6. **USB port**—For any supported USB device.

7. **Reset button**—Troubleshooting option to refresh system.

8. **WiFi Antenna Cover and Antenna**—To allow for relocation of WiFi antenna (with included extender) to improve reception.

Back View
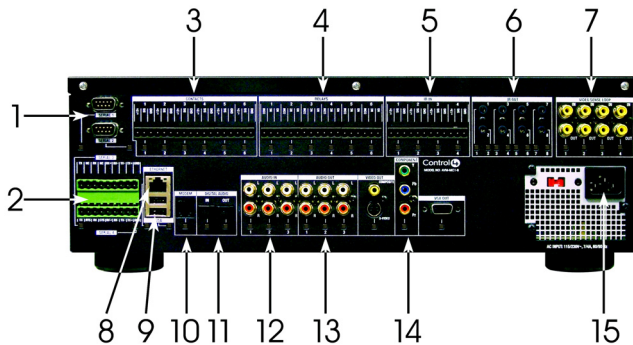
1. **Serial 1-2**—Standard serial ports: RS-232 only for up to 2 projectors or other serial I/O devices, which includes hardware flow control.

2. **Serial 3-4**—Configurable serial ports: RS-232, RS-422, or RS-485 for a projector or other serial I/O devices.

3. **Contacts 1-6**—Plugable Terminal Block connector for up to 6 dry contact closure, or logic input connections, such as door switches or motion sensors.

4. **Relays 1-6**—Plugable Terminal Block connector for up to 6 *normally closed* or *normally opened* switchable connections, such as blinds, fireplace, or projector screens.

5. **IR In 1-4**—Plugable Terminal Block connectors provide support for up to 4 hand-held IR devices, such as remote controllers.

6. **IR Out 1-8**—3.5 mm phone jacks for up to 8 IR sticky emitters that can be placed over IR readers on media players, TVs, or other targets to transmit IR signal from Media Controller to the target.

7. **Video Sense Loop In-Out (pairs) 1-4**—Composite port pairs for up to 4 video sources, such as DVD players or VCRs, that allow the system to detect the On/Off status of devices that use the same IR code for both On and Off commands.

8. **Ethernet**—RJ-45 for a 10/100 Baset Ethernet connection.

9. **USB**—USB port for a card reader or other USB device.

10. **Modem**—RJ-11 port for modem to support caller ID or voice menu system (hardware foundation for future releases).

11. **Digital Audio In/Out**—Toslink for Digital Audio In/Audio Out, like MP3 players.

12. **Audio In (Left-Right pairs) 1-3**—RCA jack for stereo channel input for up to 3 stereo analog sources.

13. **Audio Out (Left-Right pairs) 1-3**—RCA jack for stereo channel line output for up to 3 amplifiers.

14. **Video Out Options**—Composite, S-Video, Component, and VGA port for displaying navigation menus on a monitor or TV.

15. **Power plug port**—For supplied power cord only.

2 Set Up the System

This chapter explains how to set up the Control4 home control system. It includes making hardware connections. The essential tasks are:

1. Plan Your Equipment Layout

2. Connect to a Monitor or TV

3. Connect to the Network

4. Connect Devices

5. Connect AV Devices to One Another

6. Relocate the WiFi Antenna

7. Set Up Logical Connections

8. Check Setup Using On-Screen Display

Plan Your Equipment Layout

This section explains things you should know or be aware of when planning your layout:

"Physical and Logical Connections"
"Home Network Requirements"
"Sample Setup Diagrams"
"Determine Best Video Option"
"Use a Worksheet"

Physical and Logical Connections

In a Media Controller system, physical and logical connections are required in order to control, navigate, and use the system as designed.

This section describes, in general terms, how to set up the *physical connections* required for Media Controller and all of the devices associated with it. You should also refer to any device-specific documentation for additional installation instructions.

To set up the *logical connections* required, refer to *Control4 Composer User Guide* software documentation.

Home Network Requirements

Ensure that your home network wiring is in place before starting your system setup. Consider these networking issues:

▸ Media Controller requires an Ethernet connection in order to use all features as designed. When connected, Media Controller can access Web-based media databases (such as Muze and Gracenote) and can easily access Control4 system updates.

▸ Media Controller can be used in Ethernet and WiFi networks, and makes use of ZigBee (wireless mesh network) 802.15.4 to control lighting and other ZigBee-enabled products.

▸ The network wiring required for your system depends on what you plan to install: Refer to the requirements outlined in each device's documentation.

Sample Setup Diagrams
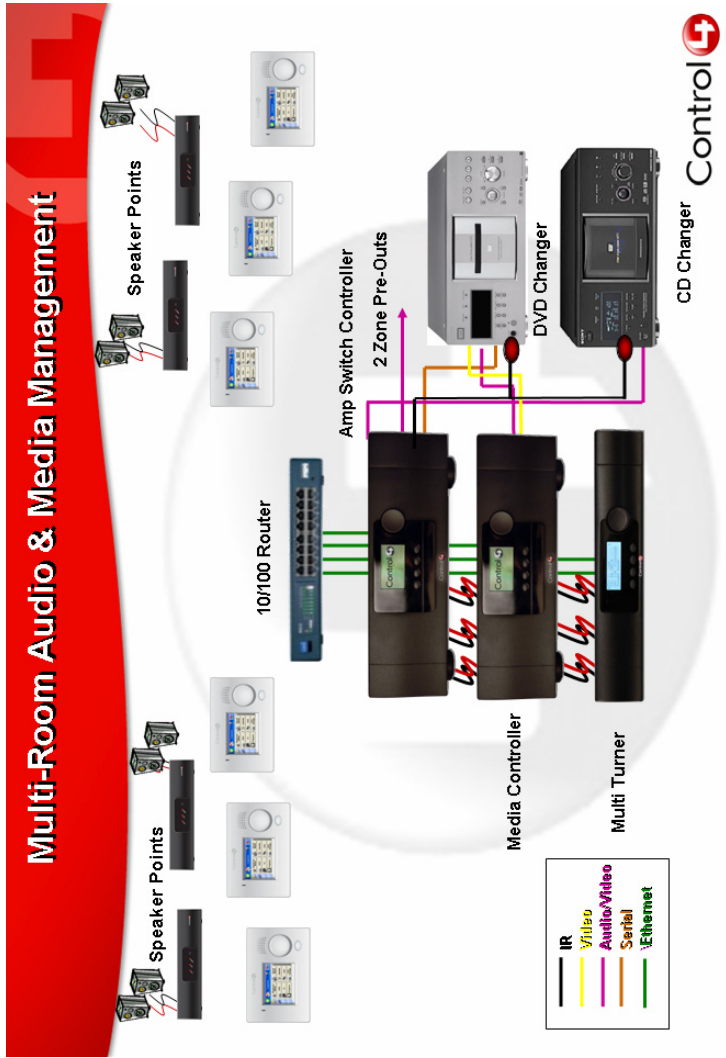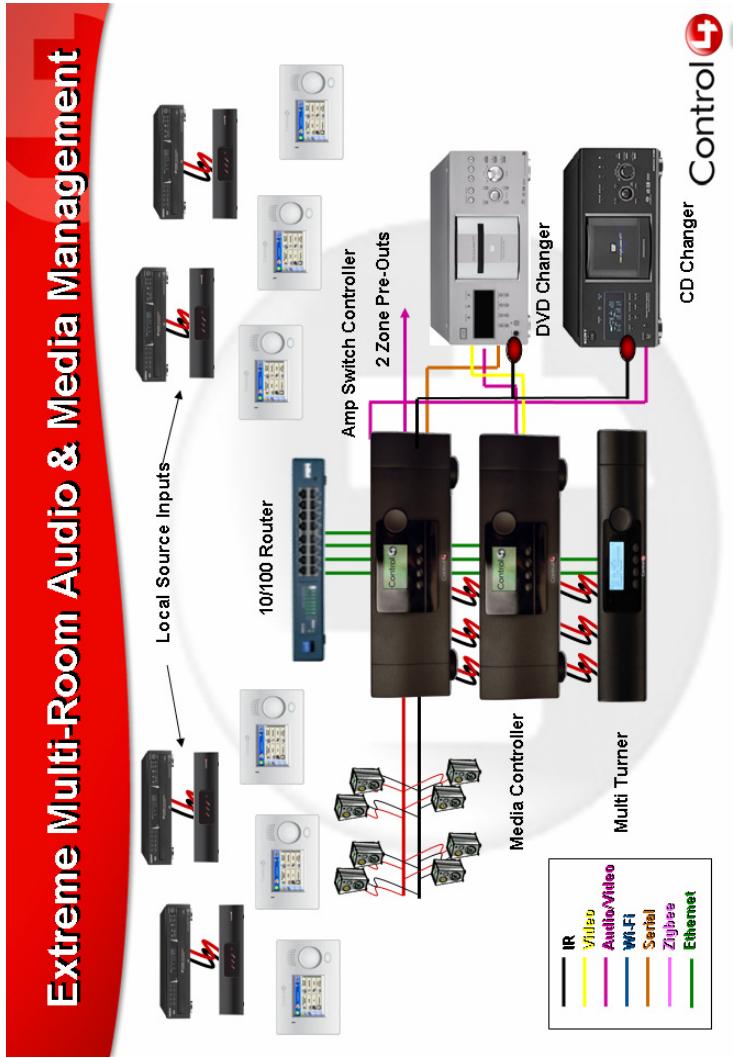
Figure 2-1. Sample Setup: Simple

Figure 2-2. Sample Setup: Multi-Room

Figure 2-3. Sample Setup: Extreme

Determine Best Video Option

There are four Video Out format options to choose from, but only one option at a time can be used. The system default is Composite/S-Video.

If you have multiple connection options for a video component, you need to determine the best connection available. Table 2-1 provides a list of video connection options that are ranked according to quality of video performance:

Table 2-1. Video Connection Options Ranked by Quality
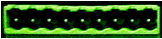
Rank	Port	Description
#1		VGA
#2		Component
#3		S-Video
#4		Composite

Use a Worksheet
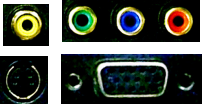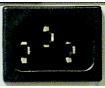
To use a worksheet to plan your connections:

1. Using Table 2-1, determine what your video output device will be (such as a monitor or TV) and choose the best connection option for it.

2. Using the worksheet provided in Table 2-2 on page 17, identify the Media Controller connection you will use for all planned connections.

Table 2-2. Media Controller Connection Worksheet

Connection Options and Typical Use	Reserved for:
Serial 1-2—Standard (male) ports: RS-232 only for up to 2 projectors or other serial I/O devices.	1. 2.
Serial 3-4— Configurable ports that make use of Plugable Terminal Block connectors: RS-232, RS-422, or RS-485 for a projector or other serial I/O devices. Refer to your device's installation manual for specific instructions.	1. 2.
Contacts—Mini Plugable Terminal Block connectors for up to 6 sets (+12v, SIG, and GND) of contact connections, such as door switches and motion sensors.	1. 2. 3. 4. 5. 6.
Relays—Mini Plugable Terminal Block connectors for up to 6 sets (normally closed, normally opened, and common) of relay connections, such as blinds, fireplace, or projector screens.	1. 2. 3. 4. 5. 6.
IR In—Mini Plugable Terminal Block connectors provide support for up to 4 IR receivers that can read infrared signals from remote controls in remote locations.	1. 2. 3. 4.

Connection Options and Typical Use	Reserved for:
IR Out—3.5 mm jacks for up to 8 IR sticky emitters that can be placed over IR readers on media players, TVs, or other targets to transmit infrared control signals from Media Controller to the target .	1. 2. 3. 4. 5. 6. 7. 8.
Video Sense Loop— Composite port In-Out pairs for up to 4 video sources, such as DVD players or VCRs, that allow the system to detect the On/Off status of devices that use the same IR code for both On and Off commands.	1. 2. 3. 4.
Ethernet—RJ-45 for a 10/100 Baset Ethernet connection.	1.
USB—Two USB ports for card readers or other USB devices.	1. 2.
Modem—RJ-11 port for modem to support caller ID or voice menu system (hardware foundation for future releases).	1.
Digital Audio—Toslink for Digital Audio In/Out, like MP3 players.	In: Out:
Audio In—RCA (Left-Right) pairs for stereo channel input for up to 3 stereo analog sources.	1. 2. 3.

Connection Options and Typical Use	Reserved for:
Audio Out—RCA (Left-Right) pairs for stereo channel output for up to 3 stereo line-level outputs.	1. 2. 3.
Video Out—Choose one option (Composite, S-Video, Component, or VGA) for displaying navigation menus and media databases on a monitor or TV (not for viewing movies).	1.
Power—AC Input (IEC Power Cord)	Included power cord only

Connect to a Monitor or TV

1. Prepare to connect Media Controller by ensuring you have all of the required hardware and software and any optional component you want to connect, as outlined in the previous chapter.

2. Connect Media Controller to a monitor or TV.

2a. Ensure the monitor or TV is unplugged from the power supply.

2b. Connect the monitor or TV to the back of Media Controller using the VGA, Component, S-Video or Composite connection port. (Refer to Table 2-1 on page 16.)

2c. Plug Media Controller power cord (provided) and the monitor or TV power cord into electrical outlets.

Connect to the Network

If you are using an Ethernet connection for Media Controller, plug the data cable from the home network connection into the Media Controller RJ-45 port (labeled "Ethernet") and the network port in your wall or at the network hub or switch.

Connect Devices

For the hardware you want included in the system, connect the applicable devices to Media Controller (including such things as contact sensors, relays, IR sensors, and some AV equipment, such as an audio amplifier or switch). If you are not sure which connection port to use, refer to "Plan Your Equipment Layout" on page 11. The following sections contain additional information you may find helpful:

▶ "Use the Plugable Terminal Blocks"

▶ "Connect Wires to a Configurable Serial Port"

▶ "Add IR Receiver Capabilities to Remote Locations"

▶ "Set Up IR-Signal Generation to Control Third-Party Devices"

▶ "Use Video Sense Loop to Add On/Off Sensing"

Use the Plugable Terminal Blocks

Many Media Controller connections, including Serial Ports 3 and 4, Contacts and Relays, make use of a Plugable Terminal Block—a removable plastic part with locking latches for individual wires. Media Controller ships with one plugable terminal block for every applicable port.

NOTE: When you connect dry contact closure devices, such as door switches, connect the switch between +12v and SIG.

To connect a device to a Plugable Terminal Block:

1. Insert one of the wires required for your device into the appropriate opening in the Plugable Terminal Block you reserved for that device (refer to Table 2-2 on page 17). For example, if you were adding an IR motion sensor, you would connect the motion sensor power input to +12v, its ground connector GND, and its output to SIG.

2. Lower the opening's latch until it locks the wire in place.

3. Repeat Steps 1-2 for all wires required for your device.

Connect Wires to a Configurable Serial Port

Media Controller provides four serial ports: Two that use standard male DB9 connector and two that are configurable as RS-232, RS-422, or RS-485 and provide hardware handshake.

Wiring to one of the configurable ports depends on the wiring requirements of the device you are connecting. Refer to your device's documentation and the following tables to determine how to wire the port. Refer also to "Use the Plugable Terminal Blocks" on page 20.

Table 2-3. Serial Port Configuration Options

Connector Type	Transmit	Receive	Ground
RS-232	TX	RX	GND
RS-422	TX+TX-	RX+ RX-	
RS-485	TX+ RX+	TX- RX-	

Table 2-4. Configure RS-232 (Standard Serial Cable) for
Configurable Port

Function	DB9 Pin	Phoenix Connector
Transmit	2	TX (1)
Receive	3	RX (3)
Ground	5	GND (9)

Add IR Receiver Capabilities to Remote Locations

To add a remote infrared (IR) receiver to your Media
Controller:

1. Place your IR receiver "In" end at the remote location
   needed.

2. Discreetly run the wires from the remote location to
   the back of the Media Controller.

3. Connect the IR receiver wires (generally Power,
   Signal, and Ground) to one of the Media Controller *IR
   In* connectors (a Plugable Terminal Block connector).
   Refer to the IR receiver's documentation to
   determine wiring needed and see "Use the Plugable
   Terminal Blocks" on page 20.

Set Up IR-Signal Generation to Control Third-Party Devices

Your system may contain third-party products that ship with IR (infrared) remote controls. To provide a way for Media Controller to control a device that only recognizes IR commands, complete the following setup.

1. Plug the 3.5 mm connector end of one of the 8 IR stick-on emitters provided into an IR Out port on the Media Controller.

2. Place the stick-on emitter end over the IR receiver on the media player, TV, or other target device to transmit IR signals from the Media Controller to the target.

You can now use the System Remote Control to control the connected IR-controlled device.

Use Video Sense Loop to Add On/Off Sensing

If you need to add On/Off sensing capabilities to a device (such as a TV or DVD player), connect one of the device's composite Video Out ports to a Media Controller Video Sense Loop In port. Then use the companion Video Sense Loop Out port for the device's video out as needed.

Connect AV Devices to One Another

1. Connect Audio components to one another. For example:

▶ If you connected a Control4 Audio Matrix Switch (or a third-party audio switch) to Media Controller, then connect all amplifiers and other A/V equipment to the audio switch.

▶ If you connected a Control4 Multi Channel Amplifier (or a third-party amplifier) to Media Controller, then connect all applicable speakers to the amp.

2. Connect Video devices to one another. For example, if you intend to play DVDs directly from a DVD player to your TV, connect the DVD player's Video Out to the TV's Video In.

Relocate the WiFi Antenna

The WiFi antenna is installed behind the Media Controller front panel door. If Media Controller is installed in an all-metal rack with front metal doors, then WiFi may not function very well. In this case, the WiFi antenna may be relocated outside of the rack. To relocate it:

1. Remove the WiFi antenna from the front panel position:

  1a. Open the front panel door, then remove the WiFi antenna cover by pinching it at the top and bottom.

  1b. Unplug the WiFi antenna from the front USB port.

2. Using the WiFi extension USB cable provided, connect the WiFi antenna to the back panel USB port.

3. Adjust the WiFi antenna position outside of the metal rack.

Set Up Logical Connections

Thus far you have set up the physical connections for the Control4 home system. But the setup is not complete until you set up the system's logical connections as well. To complete the logical setup, use a PC connected to the home network with Control4 Composer software installed. For instructions, refer to the Control4 Composer User Guide.

Check Setup Using On-Screen Display

Once you have completed the physical and logical setup tasks, you should be able to access the On-Screen Navigator home page on the monitor or TV. Complete the following steps to check the setup.

1. On the remote control, press 🔴 to display the On-Screen Navigator home page (or main menu) on the monitor or TV. (If screen does not display, check the power to the monitor.)

2. Press any subsystem button to jump to that subsystem's menu, then press 🔴 to return to the home page.

   For example, press the Radio button on the Remote Control and the on-screen display shows the *Radio* menu. Then, press 🔴 to return to the home page.

CHAPTER 3 Use Media Controller

This chapter introduces user interfaces available to Media Controller users and the common system tasks you can perform with Media Controller.

User Interfaces

The following user interfaces are available by default with Media Controller:

On-Screen Navigator
System Remote Control with LCD
Media Controller Front Display

Additional user interfaces ship with navigaton devices that are sold separately and are described in the documentation that ships with the device.

On-Screen Navigator

Media Controller provides an on-screen menu called Control4 On-Screen Navigator. Once Media Controller is setup and a monitor or TV is connected to it, you can press the ④ button on the remote control to access the *On-Screen Navigator* home page at any time.

The home page provides access to the following subsystems:

▸ **Radio:** Allows you to browse all stations available, your favorite stations, or choose a source (AM, FM. XM, NET, or Cable).

▸ **Music:** Displays playback options by song title, album title, artist, or genre. Also provides Record Music on a sub-menu, that displays recording options and steps you through the process.

▸ **TV:** Choose to browse all or pick a category, then choose a channel. If the TV or other source is on, it should respond to the request.

- ▸ **Videos:** Displays movie-playing options when a controlled DVD player or changer has been included in the system.

- ▸ **Comfort:** Allow you to control all comfort related devices, such as a thermostat, radiant heating, fans, curtains and blinds, and a fireplace. It can also display the current indoor temperature.

- ▸ **Lights:** Provides a list of rooms from which you choose to view controls for the lights and lighting scenes for that room.

- ▸ **House:** Diplays control options for miscellaneous home control features, with an emphasis on security (such as door locks, motion sensors, contact sensors, and cameras). But may also control sprinklers, and communication information (like Caller ID).

- ▸ **Info:** Displays your personal profile and options for this navigator (the selected controller, room, and appearance and other options available). You might also find organization (calendar) information and tools (maybe wizards) for managing devices and events.

- ▸ **Location:** Set the room location and associated controller for this navigator option. [Does this differ from "View or Change Info"?].

For detailed information about using On-Screen Navigator, refer to the *On-Screen Navigator User Guide*.

System Remote Control with LCD

The Control4 System Remote Control that ships with Media Controller includes a liquid crystal display (LCD), in addition to a variety of buttons for accessing and controlling system components and media. The information that displays on the remote control LCD depends on the action you choose with the
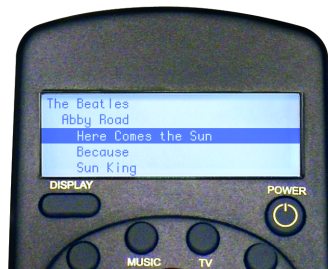
remote control buttons and/or with another system navigation device.

For detailed information on the remote control, refer to the *System Remote Control User Guide* included with your Control4 remote control.

Media Controller Front Display

The information that displays on the Media Controller front display depends on the action you choose with the Media Controller buttons or with some other system navigation device.

```
-----------------------------------------------------
.............Control4.................
...Saturday, Nov. 13 .....00:06:30...

..................................................
EJECT.............................SETUP
-----------------------------------------------------
```

When you load a CD into the tray, the LCD view changes:

```
-----------------------------------------------------
.....Album..................Rip CDs.....
.....Artist..................Play CDs....
.....Tracks.................Playlist.......
...............................CD Info.......

-----------------------------------------------------
```

For detailed information about using the Media Controller front panel user interface for specific tasks, refer to these remaining sections in this document:

View or Edit Setup Information

To view or edit Media Controller setup information:

1. On the Media Controller front panel, press the SETUP button. The System Configuration screen is displayed:

```
------------------------------------------------------
..............Host Setup......................
..............DHCP Client....................
.....IP....10.11.11.??? (your IP)..........
.....MSK....255.255.0.0...................
.....MAC 00:0F:FF:00:01:30.............
EDIT................................CANCEL
------------------------------------------------------
```

2. If you need to change the setup, press the EDIT button. The Network Setup screen is displayed:

```
------------------------------------------------------
.......1. Host Setme......................
.......2. DHCP Client....................
.......3. DHCP Server....................
.......4. Static IP...........................
.....MAC 00:0F:FF:00:01:30...........
....................................CANCEL
------------------------------------------------------
```

3. To exit Setup, press the CANCEL button.

Play a CD

To play a CD from Media Controller:

1. On the Media Controller front panel, open the CD tray (press the EJECT button), load a CD, and close the CD tray. The LCD should now display the CD menu.

2. Using the dial, choose *Play CDs* (turn the dial to highlight *Play CDs*, then press the dial).

3. When you are finished playing the CD, open the CD tray, remove the CD, and close the CD tray.

Choose a Playlist Option

1. On the Media Controller front panel, open the CD tray (press the EJECT button), load a CD, and close the CD tray. The LCD should now display the CD menu.

2. Using the dial, choose *Playlist* (turn the dial to highlight *Playlist*, then press the dial). The Playlist options display:

> Create a new playlist
> Load a CD to a new or existing playlist
> Select a playlist to be played

3. To create a new playlist:

   3a. Choose *Create a new playlist* and then follow the screen prompts.

   3b. When you are finished with the CD, open the CD tray, remove the CD, and close the CD tray.

4. To load a CD to a new or existing playlist

   4a. Choose *Load a CD to a new or existing playlist* and then follow the screen prompts.

   4b. When you are finished with the CD, open the CD tray, remove the CD, and close the CD tray.

5. To select a playlist to be played:

   5a. Choose *Select a playlist to be played* and then follow the screen prompts.

   5b. When you are finished with the CD, open the CD tray, remove the CD, and close the CD tray.

Understand Future Feature Support

Media Controller has been prepared to support future features. As features are added and software updates become available, you will be able to use your box for such things as System Navigation, Caller ID, and Media Management.

For example, the buttons on the front panel will some day provide navigation options that are currently available only in the full-featured navigation methods (such as Wireless Touch Screen or On-Screen Navigator).

CHAPTER

4 Warranty and FCC Information

Warranty

Important: Warranty terms may be different with the country of purchase; contact your Authorized Control4 Sales and Service office for detailed product warranty information.

Limited Hardware Warranty

Control4 warrants its Media Controller product to be free from defects in material and workmanship during the warranty period. If the Media Controller proves to be defective in material or workmanship during the warranty period, Control4 will, at its sole option, repair or replace the product with a like product. The warranty extends only to products purchased directly from Control4 Corporation or an Authorized Control4 Dealer.

How long the warranty is effective:

Control4 Media Controller are warranted for one (1) year from the date of the first consumer purchase.

What the warranty does not cover:

▶ Misuses; unauthorized modification; opening for any reason except to perform an official upgrade using an proper tools/kit

▶ Operation or storage outside the environmental specifications for the product

▶ The battery, or damage caused by this battery

▶ In-transit damage and improper maintenance

▶ Physical damage to the unit, such as a cracked or broken screen or defect resulting from use of improper software, accessories, media, supplies, consumables, or such items not designed for use with the product.

Hardware Warranty Terms

READ THESE WARRANTY TERMS CAREFULLY BEFORE INSTALLING OR USING THE CONTROL4 SYSTEM OR COMPONENTS. YOUR INSTALLATION AND USE OF THE SYSTEM OR ANY OF ITS COMPONENTS INDICATES THAT YOU AGREE TO BE BOUND BY THESE TERMS. IF YOU DO NOT AGREE TO ALL OF THE TERMS OF THIS WARRANTY, RETURN THE PRODUCT TO THE PLACE OF PURCHASE FOR A FULL REFUND.

ONE-YEAR LIMITED WARRANTY

1.   WARRANTY

Control4, Corporation. ("Control4") warrants that at the time of sale the Media Controller (the "product") will be free from defects in material and manufacture and will conform to Control4's specifications for the components. Control4 further warrants that for a period of 12 months after sale the product will function in accordance with its specification, PROVIDED THAT it is installed and maintained in accordance with Control4's instructions and is not subjected to (a) alteration or unauthorized repairs, (b) misuse or abuse, (c) Acts of God (including without limitation hurricanes, tornadoes, floods, earthquakes, or other severe weather or natural phenomena), or (d) improper storage or handling or other treatment or installations for which it was not intended. This warranty extends only to products purchased directly from Control4 or an Authorized Control4 Dealer.

2.   DISCLAIMER OF OTHER WARRANTIES

The preceding warranties are the exclusive and sole express warranties given by CONTROL4. They supersede any prior, contrary or additional representations, whether oral or written. CONTROL4 HEREBY DISCLAIMS AND EXCLUDES ALL OTHER WARRANTIES-WHETHER EXPRESS, IMPLIED, OR STATUTORY-INCLUDING ANY ARISING FROM COURSE OF DEALING OR USAGE OF TRADE, ANY WARRANTY OF

MERCHANTABILITY AND ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, except that for product purchased directly by a consumer, any implied warranties are limited in duration to the term of the express warranties provided above.

Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

3. EXCLUSIVE REMEDY FOR ANY NONCONFORMITIES

If during the applicable Warranty Period, the product does not conform to the preceding Warranties, the Owner shall notify Control4 as provided below, and within a reasonable time Control4 will provide, at its option, one of the following: (1) a replacement product for any nonconforming or defective component (such replacement product may be new or refurbished to be comparable in function and performance to a new product) or (2) the price at which Control4 sold the non-conforming product. In the event of repair or replacement, there may be a loss of data in the memory of the product for which warranty service is sought. Control4 will not provide, and will not be liable for, labor, costs of removal or reinstallation of product, disposal, freight, taxes, or other incidental charges.

THESE REMEDIES ARE THE EXCLUSIVE AND SOLE REMEDIES FOR ANY BREACH OF WARRANTY.

For any breach of warranty, the Owner must notify Control4 in Section 7 below within thirty (30) days after discovering the nonconformity. The notice must describe the location and nature of the nonconformity. The owner must give Control4 a reasonable opportunity to the claimed nonconformity before undertaking any repairs, removal or replacement. All products returned to Control4 require a Return Merchandise Authorization (RMA) number. The RMA number is obtained from Control4 Customer Support Department. The RMA number must be clearly marked on the outside of each box. The RMA is valid for a 30-day period. After the 30-day period, the

RMA will be cancelled. Any shipments received not consistent with the RMA, or after the RMA is cancelled, will be refused. Control4 is not responsible for products returned without a valid RMA number. Compliance with the requirements of this paragraph is a condition to coverage under the Warranty: If these requirements are not complied with, Control4 will have no obligation to provide any remedy for any breach of warranty.

4.   DISCLAIMER OF INCIDENTAL AND CONSEQUENTIAL DAMAGES

IN NO EVENT SHALL CONTROL4 BE LIABLE FOR ANY INCIDENTAL, SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, WHETHER RESULTING FROM NONDELIVERY OR FROM THE USE, MISUSE OR INABILITY TO USE THE PRODUCT OR FROM DEFECTS IN THE PRODUCT OR FROM CONTROL4'S OWN NEGLIGENCE. This exclusion applies even if the remedy provided by Control4 fails of its essential purpose.

Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation may not apply to you.

5.   APPLICABLE LAW

This Warranty will be interpreted, construed, and enforced in all respects in accordance with the laws of the State of Utah, without reference to its choice of law rules. The U.N. Convention on Contracts for the International Sale of Goods will not apply to this Warranty.

6.   SEVERABILITY

If any provision of this warranty is found to be invalid or unenforceable, then the remainder shall have full force and effect, and the invalid provision shall be partially enforced to the maximum extent permitted by law to effectuate the purpose of the agreement.

7. ADDRESS FOR NOTICES TO CONTROL4

Control4 Corporation
11734 Election Road, Suite 200
Salt Lake City, UT 84020
Fax # 801-523-3199
Telephone # 801-523-3100

This warranty gives you specific legal rights, and you may also have other rights which vary from State to State.

Software Agreement

The Control4 Media Controller contains preinstalled software. Please read the following Control4 terms before proceeding:

NOTE: Carefully read this License Agreement and the Limited Warranty statement before operating the equipment. The rights to the software are licensed, not sold. Control4 or its licensors continue to own all intellectual property rights to the software, and you will be granted certain rights to use the software upon your acceptance of this license. Rights in the software are offered only on the condition that you agree to all terms and conditions of the License Agreement. Operating the equipment indicates your acceptance of these terms and conditions. If you do not agree to the terms and conditions of the License Agreement, return the complete package for a full refund now.

Terms that Govern Software Use

You may only use the software as designed on the device on which it comes pre-installed. You may not reverse, assemble, or decompile the software.

Limited Software Warranty, Liability, and Remedy

Important: This Control4 Software Limited Warranty shall cover all software that is provided to you, the customer, as part of the Control4 product, including any operation system software.

The Remedies provided in this document are your sole and exclusive remedies. In no event shall Control4 be liable for any direct, indirect, special, incidental, or consequential damages (including lost profit), whether based on warranty, contract, tort, or any other legal theory.

In no case shall Control4's liability exceed the purchase price for the software and/or product. The limitations set forth above will apply regardless of whether you accept the software.

FCC Information

FCC Interference Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This 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 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.

FCC Caution

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.