Acme
15 Fake Street
Suite 216
Kukamungo, NJ 07001

Phone: 201-555-1234
Fax: 201-555-6789
Email: joetheinstaller@example.com
http://www.example.com

Smith Residence Home Theater
John and Jane Smith

Acme
November 02, 2007

Smith Residence Home Theater
John and Jane Smith

November 02, 2007

This PDF contains all of the products we will be including in your system. Please note that programming and installation will be itemized in your quote. If you wish to change any of the products in your proposed system, please inform us by Monday, February 30th since we will be placing the order for your products on March 1st.

Once installation begins, we anticipate this project will be completed within 2 weeks. If you have any questions, please contact me anytime.

Crestron Adagio™ AADS

Audio Distribution System

The Adagio AADS Audio Distribution System delivers a complete, low-cost solution for high-performance multi-room audio distribution. Right out of the box, the AADS provides sophisticated audio signal routing, processing, and amplification for up to 6 rooms, controllable from its LCD-driven front panel and a choice of room controllers.

Multi-Room Audio—The AADS supports up to 6 sets of stereo room speakers, allowing listeners in each room to listen selectively to any of 6 different stereo sources. Its integrated multi-channel power amplifier delivers a robust 45 watts per channel to all rooms. Without requiring any programming, the AADS can easily be expanded to support a total of 12 rooms by adding an AAE Audio Expander. Or, as many as 24 rooms can be handled using 3 AAE's with simple setup provided by Crestron Adagio Composer software.

Front Panel Control—The AADS's front panel provides for controlling audio to a houseful of speakers, with custom naming of rooms, groups, and sources facilitated on the LCD display. The 6 room select buttons can also be custom labeled using Crestron Engraver software.

Versatile Room Controls—A choice of basic 12-button keypads or the advanced APAD Wall Mount LCD Controller enables versatile control of the AADS in every room. A keypad provides the essential controls for adjusting volume, selecting sources, and toggling up and down through tracks and radio channels. For more elegant control, the APAD provides true feedback for display of audio sources, radio stations, CD titles, artists, and tracks by name, plus audio settings and many other parameters.

Dual AM/FM Radio and MP3 Audio Servers—Two built-in AM/FM radio tuners let listeners in different rooms each enjoy their own choice of music, news, sports and talk. RDS/RBDS enables the display of the full FM radio station name and other information about the song or program that you're listening to.

In addition to radio, 4 line-level inputs are provided to accommodate external audio sources including Crestron's AAS Audio Server and CEN-IPOD Apple® iPod® Connect. Plug-and-play compatibility with the AAS and CEN-IPOD delivers instant access to an entire collection of music from any room in the house with fully-bidirectional communications for browsing by album, artist, and song title.

2-Series Ethernet Control System—Adagio brings Crestron's industry-leading Total Home Technology to homes of any size and budget. At the heart of the AADS is the powerful 2-Series control engine. With both Cresnet and Ethernet connectivity, plus custom programmability using Crestron SystemBuilder™ software, the AADS allows nearly limitless expansion and customization using Crestron's entire line of touchpanels, wireless remotes, and hundreds of other devices. The built-in Web server with native e-Control®2 XPanel support enables full remote control over IP from computers and PDA devices, as well as remote diagnostics and updates. Built-in IR and RS-232 ports are included to interface the AADS with non-Crestron devices ranging from CD changers to security systems.

Home Automation and Integration—More than just an audio distribution system, the AADS can actually grow as part of a complete home automation solution supporting all of Crestron's Cresnet and infiNET controllable dimmers, shade controllers, thermostats, and so much more.

> Out-of-the-box audio distribution for 6 rooms, expandable up to 24

> Choice of 12-button room keypads or APAD LCD controllers

> Dual built-in AM/FM radio tuners with RDS/RBDS

> Plug-and-play support for Adagio Audio Server and iPod Connect

> 2-Series Ethernet control system — programmable to support Crestron touchpanels, wireless remotes, lighting dimmers, thermostats, and much more

SPECIFICATIONS

Processor

CPU: 32-bit Freescale ColdFire® Microprocessor
Processing Speed: 66 MIPS (Dhrystone 2.1 Benchmark)

Memory

8MB Flash, 32MB SDRAM, 256KB NVRAM

Operating System

Real-time, preemptive, multitasking kernel, multi-threaded, FAT32 file system with long names; supports SIMPL™ Windows® and SIMPL+®

Ethernet

10/100BaseT, static IP or DHCP/DNS, SSL, autonegotiating, full duplex TCP/IP, UDP/IP, SMTP, SNMP, built-in Web server and e-mail client; supports Crestron e-Control 2 XPanel and RoomView applications

Audio (Typical of 6 Room Outputs)

Controls: Volume, Balance, Bass, Treble, Loudness, Mute, Mono, Input Compensation
Volume Gain Range: -80dB to +20dB, 1 dB steps
Mute: -100dB (electronic), -120dB (amp output relay)
Input Compensation: ±10dB
Bass Gain Range: ±12dB @100Hz, 2dB steps
Treble Gain Range: ±12dB @10KHz, 2dB steps
Frequency Response: 20Hz to 20kHz ±0.75dB
S/N Ratio: 100dB, 20Hz to 20kHz A-weighted
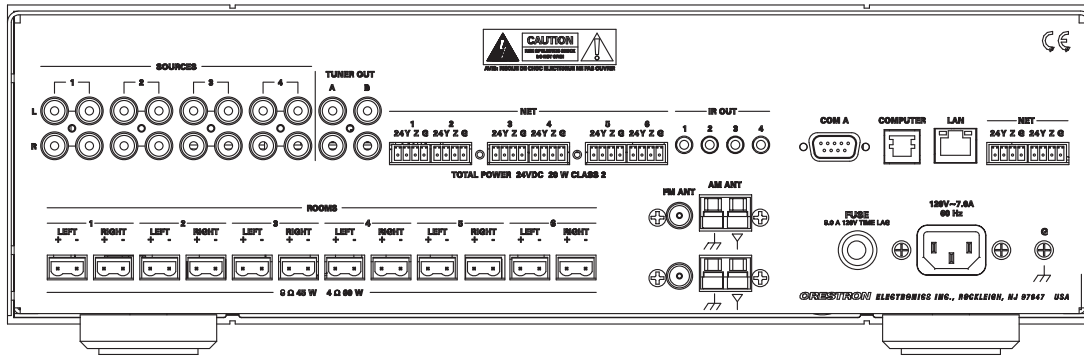**THD+N**: 0.05%, 20Hz to 20kHz
Stereo Separation: >75dB

FM Tuner (Typical of 2)

Frequency Range: 87.50 to 108 MHz (50 or 100 kHz steps)
Intermediate Frequency: 10.7 MHz
Usable Sensitivity: 11 dBf mono
S/N Ratio: 64dB @ 65 dBf mono; 60dB @ 65 dBf stereo
IF Rejection: 100dB
AM Rejection: 55dB
Stereo Separation: 40dB

AM Tuner (Typical of 2)

Frequency Range: 530 to 1710 kHz (9 or 10 kHz steps)
Sensitivity: 3.5µV (RF input level 10dB S+N/N)
Selectivity: 10kHz
Alternate Channel Selectivity: 55dB
Image Rejection: 35dB
IF Rejection: 60dB

CRESTRON®

Rear Panel

Connectors

SOURCES 1 – 4: (16) RCA female providing (4) unbalanced stereo line-level audio inputs with parallel loop-thrus; connect to outputs of source devices, with loop-thru to AAE
Maximum Input: 3.2 V_{RMS} (flat)
Input Impedance: 47k ohms

TUNER OUT - A: (2) RCA female providing unbalanced stereo line-level audio output from AM/FM Tuner A; provides tuner output to feed AAE audio expander
Maximum Output: 1 V_{RMS}
Output Impedance: 100 ohms

TUNER OUT - B: (2) RCA female providing unbalanced stereo line-level audio output from AM/FM Tuner B; provides tuner output to feed AAE audio expander
Maximum Output: 1 V_{RMS}
Output Impedance: 100 ohms

NET 1 – 6: (6) 4-pin 3.5mm detachable terminal blocks
Cresnet Master ports, provide data and power for keypads and other Cresnet devices

IR OUT 1 – 4: (4) 3.5mm TRS mini-phone jack, IR/Serial port
IR output up to 1.2 MHz; 1-way serial TTL/RS-232 (0-5V) up to 9600 baud

COM A: (1) DB9 male, bidirectional RS-232 port
Up to 115.2k baud, hardware and software handshaking support

COMPUTER: (1) 6-pin RJ11 female, bidirectional RS-232 computer console port

LAN: (1) 8-wire RJ45 with 2 LED indicators, 10/100BaseT Ethernet port
Green LED indicates link status, Yellow LED indicates Ethernet activity

NET: (2) 4-pin 3.5mm detachable terminal blocks
Cresnet Master ports, paralleled with NET ports 1 through 6
Normally connect to AAE(s)

ROOMS 1 – 6: (12) 2-pin 7.62mm detachable terminal blocks, power amplifier outputs
Wire Size: 12 AWG maximum
Output Power (per Channel): 45 Watts at 8 ohms, 60 Watts at 4 ohms

FM ANT: (2) F-type coaxial, connect to T-type FM antennas (included)
Impedance: 75 ohms

AM ANT: (2) 2-pin spring-loaded terminals, connect to AM loop antennas (included)
Impedance: 50 ohms

FUSE: Main fuse holder; 3AG, 8 Amps, 250 Volts, time lag

120V~7.0A: (1) IEC Male; mates with removable power cord, included

G: 6-32 screw, chassis ground lug

LCD Display

Green LCD alphanumeric, adjustable backlight, 2 lines x 20 characters per line

Controls and LED Indicators

STANDBY: Pushbutton with green LED, turns off power amplifier
MUTE: Pushbutton with red LED, mutes audio in selected room
MODE: (8) Pushbuttons, select mode for adjustment: SOURCE, ROOM, HOUSE, MENU, BKLT, SCHED, DISPLAY, MORE (refer to manual); SOURCE, ROOM, and HOUSE pushbuttons each include a green LED
ROOM: (6) Pushbuttons with green LEDs and backlit labelling strip, select room to adjust
FUNCTION: 2-position up/down pushbutton for selecting functions
SELECT: Executes selection set by FUNCTION button
VOLUME: 2-position up/down pushbutton, adjusts volume of selected room
HW-R: Hardware reset button, recessed, reboots the control system
SW-R: Software reset button, recessed, restarts the SIMPL program

Power Requirements

Internal Power Supply: 7 Amps, 120 Volts AC @ 50-60Hz*
Available Cresnet Power: 20 Watts (0.83 Amps @ 24 Volts DC)

Environmental

Temperature: 41° to 104°F (5° to 40°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Black metal with molded ABS/PC front panel
Freestanding, side ventilation should not be restricted

Dimensions

Height: 5.64 in (14.33 cm)
Width: 17.16 in (43.58 cm)
Depth: 18.08 in (45.92 cm)

*230V International Version, Model AADSI, also available.

AVAILABLE ACCESSORIES

APAD
Adagio Wall Mount LCD Controller

C2N-DBF12
12-Button Decorator Function Keypad

AAE
Adagio Audio Expander

AAS
Adagio Audio Server

CEN-IPOD
Apple® iPod® Connect

STIRP
IR Probe

CNSP-XX
Custom Serial Interface cable

Crestron APAD

Wall Mount LCD Controller

> A stylish, affordable wall mount controller

> Pleasing white-on-black LCD graphic display

> 4 "softkeys", plus enter and power pushbuttons

> Intuitive nav wheel with "key click" audible feedback

> Cresnet communications | 2-Series compatible

> Adagio and MPS plug-and-play functionality

> Available in white or blacky

The APAD wall mount LCD controller provides an elegant yet cost-effective room control solution for Crestron's Adagio® home entertainment systems, MPS multimedia presentation systems, or any control system application requiring a versatile, low-cost user interface.

Graphic Display—The alluring white-on-black LCD display presents the user with a large amount of information in a small space. With graphical support for scrolling text, icons, and bargraphs, the APAD delivers an ideal user interface for controlling audio and a range of other possible functions throughout the home or office. Four "softkey" buttons beneath the display permit intuitive menu navigation and function selection.

Nav Wheel—A spin of the APAD's nav wheel turns the music volume up or down, and enables scrolling through lists of available audio sources, radio channels, CD's and song titles. The built-in "key click" feature audibly enhances the nav wheel's natural tactile feel, and the "enter" button to the right quickly executes the desired selection set by the nav wheel. A dedicated "power" button is also included for fast, easy power on/off control.

True-Feedback—Simplified connectivity using Crestron's 4-wire Cresnet control bus makes installation a breeze. Fully bidirectional communications enables true-feedback for display of audio sources, radio stations, CD titles, artists, and tracks by name, as well as the current status of audio, lighting, or climate control settings.

Plug-and-Play Functionality—The APAD affords easy plug-and-play functionality as part of a complete Adagio or MediaManager MPS system. Without requiring any programming, the APAD enables enhanced control of multi-room audio distribution and multimedia presentation. Of course the APAD is compatible with any Crestron 2-Series control system, allowing fully programmable functionality to support any custom application.

Versatile Mounting Options—Several mounting options are available for the APAD to facilitate a clean, attractive installation in any wall or similar flat surface.

AVAILABLE MODELS

APAD-W
Wall Mount LCD Controller, White

APAD-B
Wall Mount LCD Controller, Black

SPECIFICATIONS

LCD Display

Display Type: Transmissive LCD dot matrix
Size: 2.72 in (6.9 cm) wide x 1.44 in (3.7 cm) high
Resolution: 128 x 64 pixels
Color: Monochrome, white on black, invertible
Illumination: White LED backlit

Controls

Nav Wheel: (1) Continuous turn rotary encoder
Used to navigate menu, scroll through lists and adjust values
Defaults to volume adjustment

Functions: (4) "softkey" pushbuttons, programmable
Normally used to select menu functions

Power: (1) pushbutton, programmable
Normally used to execute a power command

Enter: (1) pushbutton, programmable
Normally used to execute a selected command

Graphics

Monochrome, white on black (invertible)
Supports dynamic text and icon graphics

Audio

Built-in speaker (rear panel) for key click sound

Connectors

NET: (1) 4-pin 3.5mm detachable terminal block
Cresnet slave port, connects to Cresnet control network

Power Requirements

Cresnet Power Usage: 3 Watts (0.125 Amps @ 24 Volts DC)

Environmental

Temperature: 32° to 104°F (0° to 40°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Construction: Injection-molded plastic, flush mountable
Faceplate: Injection-molded plastic, white or black
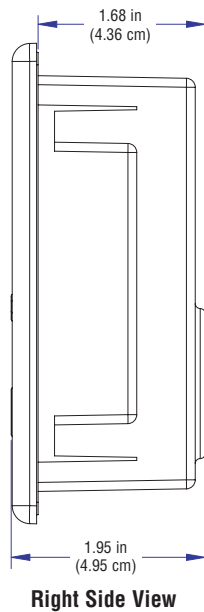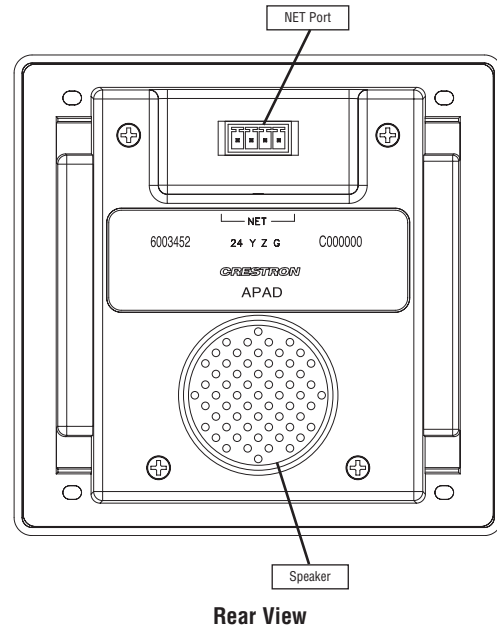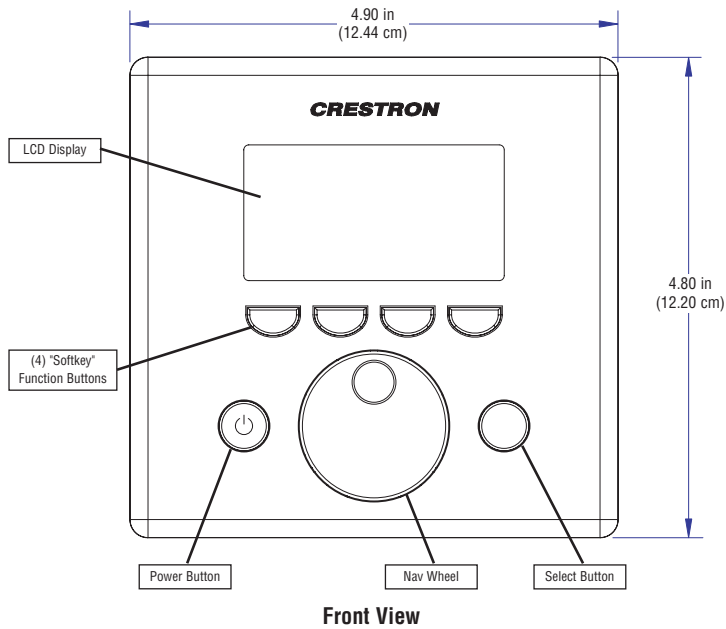
Dimensions

Height: 4.80 in (12.20 cm)
Width: 4.90 in (12.44 cm)
Depth: 1.94 in (4.93 cm)

Weight

9.2 oz (258 g)

CRESTRON®

Crestron **APAD** Wall Mount LCD Controller

4.90 in
(12.44 cm)

4.80 in
(12.20 cm)

LCD Display

(4) "Softkey"
Function Buttons

Power Button

Nav Wheel

Select Button

Front View

NET Port

6003452   24 Y Z G   C000000

APAD

Speaker

Rear View

1.68 in
(4.36 cm)

1.95 in
(4.95 cm)

Right Side View

XM Music Lab   51
Second Lucy
My Only Witness
XM Satellite   Rock
Menu Preset Tune More

Model: APAD-W
(White)

XM Music Lab   51
Volume Level 45%
XM Satellite   Rock
Menu Preset Tune More

Model: APAD-B
(Black)

AVAILABLE ACCESSORIES

BB-1000L
Pre-Construction Wall Mount Back Box

PMK-1000L
Pre-Construction Wall Mount Kit

TMK-1000L
Trim Ring

MMK-1000L
Mud Ring

WMKT-1000L
Post-Construction Wall Mount Kit with Trim Ring

WMKM-1000L
Post-Construction Wall Mount Kit with Mud Ring

WMKB-1000L
Replacement Wall Mount Clips

CRESNET
Cresnet® Control Cable

C2N-CBD-TS

Cameo™2 Keypad - Standard Mount

Crestron Cameo presents a fresh, innovative concept in keypad design featuring an elegant appearance with versatile button configurations. Cameo 2 introduces several enhancements including new rounded buttons, color-matched finishes, auto-dimmable backlit engraving, and several new built-in programming features.

Cameo Standard Mount
The C2N-CBD-TS is a "standard mount" model designed for installation in a conventional electrical gang-box using a Decora® style faceplate (not included). New "smooth" and "textured" finishes match perfectly with popular off-the-shelf decorator faceplates. The smooth finish has a slick, glossy appearance, while the textured finish achieves a softer, satiny look. Both finishes are available in a choice of white, black, and almond colors.

Customizable Buttons
Exquisitely simple yet highly customizable, a single Cameo 2 keypad can be configured easily by the installer to provide from two to six buttons. Each keypad is actually furnished with an assortment of engravable button caps in three different sizes to support a variety of physical layouts. Their smoothly rounded shape and refined pushbutton action give each button press a positive feel with subtle surface relief for an excellent tactile response. Through programming, each button can be configured to support up to three separate functions simply by tapping, double-tapping, or holding the button. "Shift key" functionality is even possible, allowing any button to be held while pressing another.

Auto-dimming Backlight
Cameo 2's new high-quality backlit laser-engraving provides customizable button text that's easy to read under any lighting condition. A built-in light sensor controls the backlight intensity automatically to achieve a crisp, legible appearance in both darkened and fully lit rooms.

Enhanced LED Feedback
Six pinhead-sized white LED light pipes provide very elegant and versatile button feedback. Ten different blink patterns are built in, enabling all kinds of blinking LED feedback while simplifying programming and minimizing traffic on the Cresnet network. Built-in bargraph logic allows the feedback LED's to function as a 6-segment bargraph display to provide a visible level indication when adjusting lighting and audio settings. The overall LED intensity is auto-dimmable, adjusting automatically for optimal visibility under varying lighting conditions.

Contact Closure Inputs
Two sensing inputs are included on the rear of the keypad to provide a simple and convenient interface for low-voltage contact-closure devices such as occupancy sensors, door switches, and motion detectors.

Ambient Light Sensor
In addition to controlling Cameo 2's backlight and LED intensity, the built-in light sensor can also be utilized by the control system to support daylight harvesting and other programmatic functions.

> Stylish and versatile wall mount keypads

> Standard electrical box installation

> New color-matched "smooth" and "textured" finishes

> New refined pushbutton look and feel

> Versatile combinations of 2 to 6 pushbuttons

> Installer-configurable with choice of 3 button sizes

> Programmable for up to 3 functions per button

> Customizable backlit button engraving

> White LED lightpipe feedback indicators

> Built-in LED blinking and bargraph logic

> Auto-dimmable backlight and LED intensity

> 2 contact closure inputs | Ambient light sensor

> Quick and easy installation | Cresnet communications

SPECIFICATIONS

Connectors
NET: 4-pin 3.5mm detachable terminal block;
Cresnet slave port, connects to Cresnet control network
INPUT: (1) 3-pin 3.5mm detachable terminal block;
Comprises (2) dry contact closure inputs

Buttons
Keypad Buttons : Configurable for 2 to 6 single-action pushbuttons
Button Events: Programmable for Normal, Tap, Double-Tap, and Hold
Button Caps: Includes (6) small, (3) medium, and (2) large button caps
Engraving: Custom backlit engraved button caps available separately

Backlight
White LED light pipe backlight for button engraving;
Software-adjustable intensity, auto-dimmable

CRESTRON®

©2007 Crestron Electronics, Inc.

LED Indicators

Feedback: (6) White LED light pipes, one per each of 6 small button positions; Programmable, auto-dimmable, adjustable intensity, 10 blinking patterns
Bargraph: (1) 6-segment bargraph display utilizing the 6 feedback LED's

Light Sensor

Photosensor for control of auto-dimming function;
Can be configured to report ambient light level to control system

Power Requirements

Cresnet Power Usage : TBD Watts (TBD Amps @ 24 Volts DC)

Environmental

Temperature: 32° to 113°F (0° to 45°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Injection-molded plastic, 1-gang mountable in an electrical box using Decora® faceplate (not included)

Dimensions

Height: 4.13 in (10.48 cm) without faceplate
Width: 1.75 in (4.44 cm) without faceplate
Depth: 1.20 in (3.05 cm) without connector

Weight

TBD oz (TBD g)

AVAILABLE MODELS

C2N-CBD-A-S: Cameo 2 Keypad, Standard Mount, Almond, Smooth
C2N-CBD-A-T: Cameo 2 Keypad, Standard Mount, Almond, Textured
C2N-CBD-B-S: Cameo 2 Keypad, Standard Mount, Black, Smooth
C2N-CBD-B-T: Cameo 2 Keypad, Standard Mount, Black, Textured
C2N-CBD-W-S: Cameo 2 Keypad, Standard Mount, White, Smooth
C2N-CBD-W-T: Cameo 2 Keypad, Standard Mount, White, Textured

AVAILABLE ACCESSORIES

CB2-BTN[A,B,W]-[S,T]: (1) Large Engravable Button Cap (specify color & finish)
CB3-BTN[A,B,W]-[S,T]: (1) Medium Engravable Button Cap (specify color & finish)
CB6-BTN[A,B,W]-[S,T]: (1) Small Engravable Button Cap (specify color & finish)
CRESNET: Cresnet® Control Cable

Crestron TPMC-8X

Isys i/O™ 8.4" WiFi Touchpanel

w/Windows® XP Embedded

Crestron's Isys i/O TPMC-8X is a compact, stylish Wi-Fi touchpanel featuring the Windows® XP Embedded OS to deliver a 2-way wireless control solution with blazingly fast performance and native capabilities for browsing the Internet, streaming multimedia, and much more. A brilliant 8.4" active-matrix SVGA display and 16-bit color depth combine to produce stunning 3D graphics using new dynamic menu objects, dynamic graphics, animations, multimode objects, PNG translucency, and exclusive Synapse™ image rendering – all with astonishing speed.

Advanced Ergonomics—Incredibly thin and compact, the TPMC-8X is brilliantly designed to provide a powerful mobile control solution that's easy to hold and intuitive to use. Its magnesium alloy enclosure presents a sleek, modern appearance that is both rugged and lightweight.

Tactile Controls—An integrated 5-way thumbpad and up/down arrow buttons add quick-access and tactile response for controlling functions ranging from simple volume adjustment and channel selection to on-screen menu navigation or even pan/tilt camera control. Four additional "softkeys" are positioned below the touchscreen, programmable for context-sensitive menu functions. A stylus is even included for use with the on-screen keyboard, conveniently stowed in its own storage slot.

Bluetooth® Technology—Built-in Bluetooth enables the use of a wireless mouse, keyboard, and other devices. A USB 2.0 port is also provided for connecting wired devices.

Biometric Scanner—The built-in fingerprint scanner unleashes a whole new level of convenience and security, allowing individual users to be identified instantly and logged on automatically. With just the touch of a fingertip, each user can be presented with a unique graphical interface with its own set of preferences, access privileges, and even its own look through the use of touchpanel "skins".

Wi-Fi Wireless—Integrated 802.11a/b/g Wi-Fi technology with WEP encryption delivers secure, high-speed 2-way wireless performance across wireless LAN's, affording mobile freedom and seamless communications with Crestron control systems, computers, digital media servers, and other IP-based devices.

Embedded PC—The power of Isys i/O is in its embedded PC engine, combining rock solid touchpanel performance with built-in Windows Media® Player and RealPlayer®, Internet Explorer, Adobe® Acrobat® Reader, and Microsoft Word, Excel, and PowerPoint® document viewers. While simultaneously controlling your home theater or boardroom, the TPMC-8X provides everything needed for enjoying online music and movies, and viewing Web pages and other documents without necessitating a separate computer.

The TPMC-8X also lets you access data and run applications on other computers via Remote Desktop, and use NetMeeting® and Skype™ for interactive conferencing and voice-over-IP (VoIP) communications – right on the touchpanel.

Built on the Windows XP Embedded operating system, the TPMC-8X delivers a powerful and secure platform for touchpanel control with integrated PC capabilities. Programmatic control erases the lines between control system and PC, allowing programmers to customize each application's behavior within the touchpanel environment to create a truly powerful and user-friendly interface.

Wireless Video—For presentation preview, surveillance, or pure entertainment, the TPMC-8X makes it easy to view security cameras, movies, and other video sources right on the touchscreen. In addition to the wide range of streaming video formats

supported by its onboard media player applications, the TPMC-8X also features native support for video over IP from a variety of 3rd-party Web cameras and servers using the motion-JPEG format.

Audio Features—Its built-in microphones, stereo speakers, and headphone output support clear voice communications for VoIP and conferencing applications, or just listening to online music and videos. Customized WAV files can be loaded on the touchpanel to add dimension to the touchscreen graphics with personalized sounds, button feedback, and voice prompts.

Li-Ion Rechargeable Batteries—A field-replaceable Lithium Ion battery pack onboard the TPMC-8X provides fast-charging, long-lasting wireless operation without the "memory" issues typical of other rechargeable batteries. An external "booster" battery pack is also available, providing up to 20 hours of typical use between charges. The optional external battery pack clips neatly to the rear of the touchpanel without tools, adding 0.75 inch depth and non-slip rubber feet resulting in a fixed tilt angle of 7 degrees.

Docking Station Options—Optional desktop or wall mount docking stations afford a choice of convenient charging solutions, adding 10/100 Ethernet for direct connection to a wired LAN, plus two USB ports for mouse and keyboard. The desktop dock allows the touchpanel to be operated upright at a 37 degree angle, while the wall mount model provides a secure, flush look.

> Stylish and compact ergonomic design

> 8.4" active matrix display | 800 x 600 resolution

> 16-bit Isys i/O graphics | Synapse image rendering algorithm

> 802.11a/b/g Wi-Fi 2-way wireless communications

> Windows XP Embedded operating system

> Onboard PC applications for Web browsing, streaming media, conferencing, VoIP, and remote desktop

> Wireless video from network cameras and servers

> Built-in microphone and stereo speakers

> 5-way thumbpad and 4 "Softkey" buttons

> Includes stylus with onboard storage slot

> Built-in biometric fingerprint scanner | Bluetooth technology

> External "booster" battery pack available

> Optional desktop and wall mount docking stations

CRESTRON®

SPECIFICATIONS

Touchscreen Display

Display Type: TFT Active matrix color LCD
Size: 8.4 inch (21.3 cm) diagonal
Aspect Ratio: 4:3 SVGA
Resolution: 800 x 600 pixels
Brightness: 200 nits (cd/m²)
Contrast: 500:1
Color Depth: 18-bit, 262k colors
Illumination: Edgelit fluorescent
Viewing Angle: ±65° horizontal, +65°/-45° vertical
Touchscreen: Resistive membrane

Buttons & Switches

Softkeys: (4) programmable "softkey" buttons below touchscreen
Thumbpad: (1) programmable 5-way thumbpad (4-way navigation plus center "ENTER" button)
Arrows: (2) programmable up/down pushbuttons
Power: (1) pushbutton, initiates "Power On" and "Power Down"
Battery: (1) Recessed slide switch inside battery compartment, shuts off battery for long-term storage

Biometric Scanner

AuthenTec EntrePad® 1610 fingerprint scanner, identifies up to 30 users by fingerprint

LED Indicators

Power: (1) Green LED, indicates touchpanel power status
Battery: (1) Green/yellow dual-color LED, indicates battery condition and charging status
WiFi: (1) Green LED, indicates wireless network connection status

Memory

DDR SDRAM: 512 MB
Flash: 1 GB
Compact Flash: Accepts up to 4GB Type II CF+ (not included)
Maximum Project Size: 190 MB

Operating System

Microsoft® Windows® XP Embedded

Graphic Engine

Isys i/O engine, 16-bit non-palette graphics; 65,536 colors; Synapse image rendering algorithm; multi-mode objects; dynamic menu objects; dynamic graphics; PNG translucency; 24 fps animation; transition effects

Embedded PC Applications[1]

Microsoft Internet Explorer w/Macromedia® Flash® plug-in, Windows Media® Player, RealPlayer®, Axis® Media Control, Crestron MJPEG Viewer, Remote Desktop, NetMeeting®, Skype™, VNC Viewer, Java™ Runtime, DirectX®, Adobe® Acrobat® Reader, WordPad, and viewers for MS Word, Excel, and PowerPoint®

Wireless[1]

RF Transceiver: IEEE 802.11a/b/g Wi-Fi, 5 or 2.4 GHz 2-way RF, static IP or dynamic IP via DHCP, 64 and 128-bit WEP encryption, requires third-party 802.11a/b/g wireless access point and Ethernet-enabled Crestron 2-Series control system
Range: 30 feet (10m) @54Mbps; range and speed vary based upon environmental conditions
Bluetooth: Bluetooth® V1.2 Class 1 built in

Video

Streaming/File Formats: MPEG4 & MJPEG via Axis Media Control or Crestron MJPEG Viewer, plus all formats supported by the embedded media player applications[1]

Audio

Hardware Features: Dual onboard microphones, built-in stereo speakers, stereo headphone output
Streaming/File Formats: As supported by the embedded media player applications
Audio Feedback (WAV): 8 & 16 bit PCM, mono & stereo, 8 – 44.1 kHz sampling rates
Amplification: Stereo, 1.1 Watts per channel

Connectors

HEADPHONES: (1) 3.5 mm TRS mini phone jack
Stereo headphone output, 12mW per channel
Minimum Impedance: 32 ohms

USB: (1) USB Type A female
USB 2.0 port for keyboard, mouse, and computer console[1]

MEMORY CARD: (1) Type II CF+ Card slot[1]

12V 3.5A: (1) DC power input jack (power supply included)

Battery

Internal Battery: Lithium Ion, 7.4 Volt, 2000 mAh, model TPMC-8X-BTP included
Usage per Charge: ~1.5 hours continuous, 9+ hours under normal use with standby/powerdown activated[2]
Charging Time: ~2 hours (~2.5 to 3 hours when in use)

Power Requirements

Touchpanel: 42 Watts (3.5 Amps) @ 12 Volts DC
Universal Power Supply/Charger (included): 100~240V AC 50/60Hz

Environmental

Operating Temperature: 32° to 104°F (0° to 40°C)
Storage Temperature: 14° to 140°F (-10° to 60°C)
Humidity: 10% to 90% RH (non-condensing)

Enclosure

Construction: Magnesium alloy case with plastic buttons, stylus storage slot (stylus included), integral docking station port

Dimensions

Height: 8.21 in (20.85 cm)
Width: 9.69 in (24.61 cm)
Depth: 0.92 in (2.32 cm)

Weight

1.98 lbs (0.90 kg)

[1] See Website or contact Crestron for a current list of compatible devices and embedded applications. To ensure reliable performance, new device drivers and applications are available only from Crestron through firmware updates.

[2] External battery pack allows ~3.5 hours continuous, 20+ hours under normal use.

TPMC-8X
shown with
optional TPMC-8X-DS
Desktop Docking Station

AVAILABLE ACCESSORIES

TPMC-8X-DS
Desktop Docking Station

TPMC-8X-DSW
Wall Mount Docking Station

TPMC-8X-BTP
Internal Battery Pack

TPMC-8X-BTPE
External Battery Pack

Crestron Adagio® AMS

Media System

> Integrated surround sound processor and amplifier

> Audyssey MultEQ XT advanced automatic equalization

> High-definition analog and HDMI digital video switching

> Audio distribution for 4 to 6 rooms, expandable up to 24

> Choice of 12-button room keypads or APAD LCD controllers

> Accepts up to 3 dual radio tuner cards for XM and SIRIUS Satellite Radio, and AM/FM radio with RDS/RBDS (1 tuner card included)

> Plug-and-play support for Adagio Audio Server and iPod interface[1]

> Set up via front panel or software

> 2-Series Ethernet control system — programmable to support Crestron touchpanels, wireless remotes, lighting dimmers, thermostats, and much more!

The Adagio Media System (AMS) delivers a high-performance surround sound and multi-room audio distribution solution in one elegant yet cost-effective package. Right out of the box, the AMS provides sophisticated surround processing and amplification for a complete home theater, plus audio signal routing for 4 or more pairs of remote room speakers. Its built-in Crestron control system enables enhanced control and integration capability for AV and home automation.

7.1 Surround Sound—The AMS features a state-of-the-art surround sound processor and powerful 7-channel amplifier designed to deliver jaw-dropping sonic performance from all of today's digital sources. Dolby® Digital EX and DTS-ES 96/24 decoding achieve superlative sound quality from the latest generation of DVD video and audio titles, with a full set of decoding and processing modes provided to support and enhance the vast range of movies and music available.

High-End Audio Performance—A thunderous 7x100 Watts of amplification, plus discrete subwoofer/LFE balanced line output, are furnished to drive any 5.1, 6.1, or 7.1 theater speaker system with powered subwoofer. An advanced Class G amplifier topology produces the great sound of a classic Class AB design with near-digital efficiency. Independent six-band parametric EQ is provided on each output channel including the subwoofer/LFE output, as well as time-delay affording up to 100mS per channel for proper lip-sync and speaker placement compensation.

Audyssey MultEQ®XT—Audyssey MultEQ XT facilitates an optimum listening experience for every seat in your theater using an ingenious equalization solution that corrects for both time and frequency response problems. MultEQ XT is the only technology of its kind capable of properly measuring sound response throughout the listening area, and combining that information to accurately represent the acoustical intricacies of the room. Based on these measurements, MultEQ XT meticulously calculates an equalization solution that effectively minimizes response distortion at every listening position.

Copious AV Inputs and Outputs—To accommodate a full complement of audio sources, the AMS supplies a total of 10 S/PDIF digital audio inputs, 3 HDMI inputs, 10 analog stereo inputs, and one analog 7.1 surround input. In addition to its speaker and subwoofer outputs, the AMS furnishes unbalanced line-level audio outputs containing the 7.1 surround signal as well as a stereo downmix signal. High-definition video switching is also provided for 8 HDTV/component, 4 S-Video, 4 composite, and 3 HDMI sources.

HDMI™ Technology—The AMS's HDMI inputs and output provide simplified connectivity for today's and tomorrow's high-end components, providing a single-cable digital interface that combines uncompressed high-definition video, multi-channel audio, and intelligent format and command data. HDMI (High Definition Multimedia Interface) switching supports the routing of DVD and DTV sources to a single HDTV display up to 1080p, and can decode digital audio signals from DVD-Audio, SACD, Dolby Digital and DTS sources.

Multi-Room Audio—In addition to surround sound in the home theater, the AMS also distributes stereo audio to feed several pairs of remote room speakers. Listeners in each room can enjoy their own choice of radio stations, CDs and MP3s, or even a stereo downmix of the surround sound output. Each room includes its own volume, bass, and treble controls, with the ability to combine a group of rooms easily at the press of the "Party Mode" button.

The integrated multi-room amplifier delivers a robust 45 watts per channel to each of 4 rooms. A fifth stereo room, or up to 2 mono rooms, can be supported using spare surround channels if the theater is configured as 6.1, 5.1, or lower. And without requiring any programming, the AMS can easily be expanded to support another six rooms by adding an AAE Audio Expander. In fact, a total of three AAE's may be added, with simple setup afforded using Crestron Adagio Composer software, supporting up to 24 rooms in all (plus the theater).

2-Channel Steering—For homes that combine their theater with their main living space, some additional signal routing flexibility is needed. Listening to stereo music through the theater's main front speakers can have a distracting effect when there's music playing throughout the house. With 2-channel and multi-channel steering capability, the AMS lets you listen through the theater's side or rear speakers instead of, or in addition to, the front speakers for the most cohesive whole-house listening experience.

Satellite Radio—Up to 3 dual radio tuner cards can be installed in the AMS to enable combinations of up to 6 AM/FM, XM and SIRIUS® Satellite Radio tuners, letting listeners in different rooms each enjoy their own choice of music, news, sports and talk. For satellite and most FM stations, the AMS displays data such as the radio station name, song and artist, traffic, weather, and phone numbers. The AMS comes with one tuner card included.

Audio Servers—Plug-and-play compatibility with Crestron's AAS Adagio Audio Server[1] and CEN-IDOC Interface for Apple iPod®[1] delivers instant access to an entire collection of music from any room in the house with full capability for browsing by album, artist, and song title.

Enhanced Front Panel Control—With its large backlit LCD display, Room and Preset buttons, 4 softkeys and dual rotary encoders, the AMS front panel provides a very powerful, yet friendly user interface for setting up and controlling the theater along with a houseful of speakers. Custom naming of rooms, groups, and sources is facilitated on the LCD display, and also on the custom label strip using Crestron Engraver software. A selection of pre-made labels is also included.

CRESTRON®

Versatile Room Controls—A choice of basic 12-button keypads or the advanced APAD Wall Mount LCD Controller enables versatile control of the AMS in every room. A keypad provides the essential controls for adjusting volume, selecting sources, and toggling up and down through tracks and radio channels. For more elegant control, the APAD actually extends the many functions of the AMS front panel to each room, providing true feedback for display of audio sources, radio stations, CD titles, artists, and tracks by name, plus audio settings and many other parameters.

2-Series Ethernet Control System—Adagio brings Crestron's industry-leading Total Home Technology to homes of any size and budget. At the heart of the AMS is the powerful 2-Series control engine. With both Cresnet and Ethernet connectivity, plus custom programmability using Crestron SystemBuilder™ software, the AMS allows nearly limitless expansion and customization using Crestron's entire line of touchpanels, wireless remotes, and hundreds of other devices. The built-in Web server with native e-Control®2 XPanel support enables full remote control over IP from computers and PDA devices, as well as remote diagnostics and updates. Built-in IR, RS-232, relay and digital input ports are included to interface the AMS with non-Crestron devices ranging from CD changers to security systems.

Home Automation and Integration—More than just a home audio video system, the AMS can actually grow as part of a complete home automation solution supporting all of Crestron's Cresnet and infiNET™ controllable dimmers, shade controllers, thermostats, and so much more.

AVAILABLE MODELS

AMS Adagio Media System with Dual AM/FM Radio Tuner Card

AMS-SR Adagio Media System with AM/FM and SIRIUS Satellite Radio Tuner Card

AMS-XM Adagio Media System with AM/FM and XM Satellite Radio Tuner Card

SPECIFICATIONS

Control Processor

CPU: 32-bit Freescale ColdFire® Microprocessor
Memory: 16MB Flash, 32MB SDRAM, 256kB NVRAM

Operating System

Real-time, preemptive, multitasking kernel, multi-threaded, FAT32 file system with long names; supports SIMPL™ Windows® and SIMPL+®
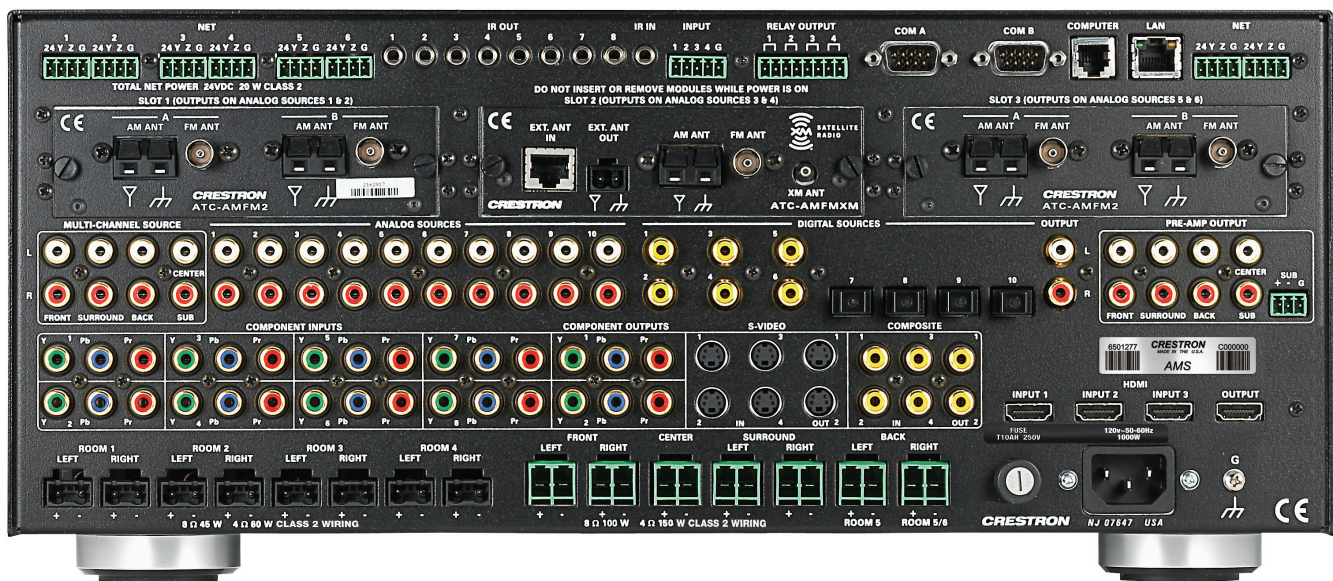
Ethernet

10/100BaseT, static IP or DHCP/DNS, SSL, autonegotiating, full duplex TCP/IP, UDP/IP, SMTP, SNMP, built-in Web server and e-mail client; supports Crestron e-Control 2 XPanel and RoomView applications

Video

Switchers: 3x1 HDMI switcher, 8x2 component matrix, 4x2 S-Video matrix, 4x2 composite matrix
Signal Types: HDMI, component (YPBPR), S-Video (Y/C), and composite video (does not transcode)
Formats: NTSC or PAL, HDTV up to 1080i/1080p
Gain: 0dB (75 ohms terminated)
Bandwidth: 400MHz
Crosstalk: >54dB
S/N: >70dB

Audio – Surround Sound Processor

Processor: Texas Instruments DA610 Aureus™ 32-bit floating point DSP w/Audyssey MultEQ® XT setup algorithms
Analog-To-Digital Conversion: 24-bit 48 kHz
Digital-To-Analog Conversion: 24-bit 48 kHz
Supported Formats/Modes: Bypass, Stereo, 2-channel steering (surround or rear), Multi-channel stereo, Ambience Effects (Cathedral, Hall, Stadium, Jazz Club), Dolby® Pro Logic IIx, Dolby Digital 5.1, Dolby Digital EX, DTS Neo:6, DTS Virtual, DTS Digital 5.1 Discrete, DTS ES 6.1 Discrete, DTS ES 6.1 Matrix, DTS 96/24
Surround Sound Master Volume: -80dB to +20dB, 0.5dB steps
Speaker Compensation: ±12dB, 0.5dB steps

Rear View — Shown with (2) ATC-AMFM2 and (1) ATC-AMFMXM Tuner Cards installed

Low Frequency Effects (LFE): -10dB to +0dB, 0.5dB steps

Mode Trim (Level Preset): ±12dB, 0.5dB steps (master); ±12dB, 0.5dB steps (per output); -10dB to +0dB, 0.5dB steps (LFE)

Input Compensation: ±10dB, 1 dB steps

Mute: -80dB (electronic), >-100dB (relay)

Bass Gain Range: ±12dB 1 dB steps

Treble Gain Range: ±12dB 1 dB steps

EQ Modes: Audyssey MultEQ XT or 6-band parametric or graphic per surround/subwoofer output channel

PEQ Filter Gain: ±12dB, 0.5dB steps

PEQ Filter Bandwidth: 0.02 to 2.0 octaves

PEQ Filter Center Frequency: 20Hz to 20kHz

GEQ Filter Gain: ±10dB, 0.5dB steps

GEQ Filter Center Frequencies: 50, 180, 630, 2.3k, 8k Hz

Crossover/High-Pass Frequency: 40 to 200 Hz, 10Hz steps

Maximum Delay: 100mS per channel, picture delay (lip-sync) and speaker distance compensation combined

Dynamic Range (compression): Minimum, Standard, Maximum

Frequency Response: 20Hz to 20kHz ±0.01dB (preamp), 20Hz to 20kHz ±0.2dB (power amp)

THD+N: <0.006% (preamp), 0.03% (power amp) 20Hz to 20kHz

S/N Ratio: >100dB (preamp), 100dB (power amp) 20Hz to 20kHz A-weighted

Dynamic Range: >113dB

Channel Separation: >90dB (preamp), >80dB (power amp)

Audio – Multiroom Distribution

Typical of up to 5 Stereo, or 4 Stereo + 2 Mono Room Outputs:

Controls: Volume, Balance, Bass, Treble, Loudness, Mute, Mono, Input Compensation

Volume Gain Range: -80dB to +20dB, 1 dB steps

Mute: -100dB (electronic), -120dB (relay/room off)

Input Compensation: ±10dB, 1 dB steps

Bass Gain Range: ±12dB, 2 dB steps

Treble Gain Range: ±12dB, 2 dB steps

Frequency Response: 20Hz to 20kHz ±0.4dB

S/N Ratio: >100dB, 20Hz to 20kHz A-weighted

THD+N: <0.08%, 20Hz to 20kHz

Stereo Separation: >75dB

Connectors – Control

NET 1 – 6: (6) 4-pin 3.5mm detachable terminal blocks, Cresnet Master ports
Provide data and power for keypads and other Cresnet devices

IR OUT 1 – 8: (8) 3.5mm TRS mini-phone jacks, IR/Serial ports
IR output up to 1.2 MHz
1-way serial TTL/RS-232 (0-5V) up to 9600 baud

IR IN: (1) 3.5mm TRS mini-phone jack
For connection of the CNXRMIRD IR receiver (sold separately)
Allows IR wireless control from Crestron and third-party remotes using RC-5 IR commands

INPUT 1 – 4: (1) 5-pin 3.5mm detachable terminal block, comprises (4) digital inputs
Rated for 0-24 Volts DC, referenced to GND
Input Impedance: 2.2k ohms pulled up to 5 Volts DC
Logic Threshold: 2.5 Volts DC nominal

RELAY OUTPUT 1 – 4: (1) 8-pin 3.5mm detachable terminal block
Comprises (4) normally open, isolated relays
Rated 1 Amp, 30 Volts AC/DC
MOV arc suppression across contacts

COM A – B: (2) DB9 male, bidirectional RS-232 ports
Up to 115.2k baud, hardware and software handshaking support

COMPUTER: (1) 6-pin RJ11 female, Bidirectional RS-232 computer console port

LAN: (1) 8-wire RJ45 with 2 LED indicators, 10/100BaseT Ethernet port
Green LED indicates link status, yellow LED indicates Ethernet activity

NET: (2) 4-pin 3.5mm detachable terminal blocks
Cresnet Master ports, paralleled with NET ports 1 through 6
Normally connect to AAE(s)

USB (front): (1) USB Type B female (behind label strip)
USB 1.1 computer console port (cable included)

Connectors – Audio

SLOT 1 – 3: (3) Adagio tuner card slots, accept choice of dual tuner cards; outputs from the tuner cards parallel with ANALOG SOURCES 1 – 6

MULTI-CHANNEL SOURCE: (8) RCA female
Unbalanced line-level 7.1 Surround Sound audio inputs
Maximum Input: 3.2 V_{RMS} (flat)
Input Impedance: 47k ohms

ANALOG SOURCES 1 – 10: (20) RCA female comprising (10) unbalanced stereo line-level audio inputs;
Inputs 1 through 6 parallel with outputs from tuner card slots
Maximum Input: 3.2 V_{RMS} (flat)
Input Impedance: 47k ohms

DIGITAL SOURCES 1 – 6: (6) RCA female, S/PDIF coaxial digital audio inputs
Input Impedance: 75 ohms

DIGITAL SOURCES 7 – 10: (4) JIS F05 female (TOSLINK) optical fiber connectors
S/PDIF optical digital audio inputs

OUTPUT: (2) RCA female, unbalanced stereo line-level audio output containing a stereo mix of all internal surround sound processor outputs;
Maximum Output Level: 2.5 V_{RMS}
Output Impedance: 50 ohms

PRE-AMP OUTPUT: (8) RCA female
Unbalanced line-level 7.1 surround sound audio outputs
Maximum Output Level: 2.5 V_{RMS} (front, surround, back, center), 6.3 V_{RMS} (sub)
Output Impedance: 50 ohms

SUB (balanced): (1) 3-pin 3.5mm detachable terminal block
Balanced line-level subwoofer audio output
Maximum Output Level: 12.6 V_{RMS}
Output Impedance: 100 ohms

ROOM 1 – 4: (8) 2-pin 7.62mm detachable terminal blocks, multi-room amplifier outputs
Wire Size: Terminals accept up to 12 AWG
Output Power: 45 Watts/Ch. at 8 ohms, 60 Watts/Ch. at 4 ohms

FRONT, CENTER, SURROUND, BACK or ROOM 5/6: (7) 2-pin 7.62mm 20A detachable terminal blocks, power amplifier outputs;
Wire Size: Terminals accept up to 10 AWG
Output Power: 100 Watts/Ch. at 8 ohms, 130 Watts/Ch. at 4 ohms

Microphone (front): (1) 3.5mm TRS mini-phone jack (behind label strip), input for calibrated microphone (part of CSSTK Surround Sound Tuning Kit, sold separately)

Connectors – Video

COMPONENT INPUTS 1 – 8: (24) RCA female comprising (8) component/HDTV (YP_BP_R) video inputs;
Input signal sensing on "Y"
Input Level: 1 V_{P-P} nominal (Y), 0.7 V_{P-P} nominal (P_BP_R)
Input Impedance: 75 ohms nominal

COMPONENT OUTPUTS 1 – 2: (6) RCA female comprising (2) component/HDTV (YP_BP_R) video outputs;
Output Level: 1 V_{P-P} nominal (Y), 0.7 V_{P-P} nominal (P_BP_R)
Output Impedance: 75 ohms nominal

S-VIDEO IN 1 – 4: (4) 4-pin mini-DIN female
S-Video (Y/C) video inputs w/input signal sensing on "Y"
Input Level: 1 V_{P-P} nominal (Y), 0.7 V_{P-P} nominal (C)
Input Impedance: 75 ohms nominal

S-VIDEO OUT 1 – 2: (2) 4-pin mini-DIN female, S-Video (Y/C) video outputs
Output Level: 1 V_{P-P} nominal (Y), 0.7 V_{P-P} nominal (C)
Output Impedance: 75 ohms nominal

COMPOSITE IN 1 – 4: (4) RCA female, composite video inputs w/input signal sensing
Input Level: 1 V_{P-P} nominal
Input Impedance: 75 ohms nominal

COMPOSITE OUT 1 – 2: (2) RCA female, composite video outputs
Output Level: 1 V_{P-P} nominal
Output Impedance: 75 ohms nominal

HDMI INPUT 1 – 3: (3) 19-pin Type A HDMI 1.1 digital video/audio input
Includes HDCP 1.1 protocol

CRESTRON

HDMI OUTPUT: (1) 19-pin Type A HDMI 1.1 digital video/audio output
Includes HDCP 1.1 protocol

Connectors – Power

FUSE: Main fuse, T10AH (1/4" x 1-1/4", 250V, 10A, time-lag, high-rupture rated)

120V~50-60Hz: (1) IEC Male, mates with removable power cord (included)

G: 6-32 screw, chassis ground lug

Power Requirements

Main Power Consumption: 1000 Watts (8 Amps) @ 120 Volts AC, 50-60Hz [2]
Available Cresnet Power: 20 Watts (0.83 Amps @ 24 Volts DC)

Environmental

Temperature: 41° to 104°F (5° to 40°C)
Humidity: 10% to 90% RH (non-condensing)
Heat Dissipation: 650 BTU/hr @ 8 ohms, 750 BTU/hr @ 4 ohms; all channels loaded to 1/8 full power

Enclosure

Black metal with molded ABS/PC front panel
Freestanding, side ventilation should not be restricted

Dimensions

Height: 7.39 in (18.78 cm)
Width: 17.16 in (43.59 cm)
Depth: 18.56 in (47.13 cm)

Weight

59.5 lb (26.99 kg)

[1] *DHCP Ethernet router required.*

[2] *230V International Version, Model AMSI, also available.*

XM Satellite Radio Statement: Hardware and required basic monthly subscription sold separately. Premium Channel available at additional monthly cost. Installation costs and other fees and taxes, including a one-time activation fee may apply. Subscription fee is consumer only. All fees and programming subject to change. Subscriptions subject to Customer Agreement available at xmradio.com. Only available in the 48 contiguous United States. ©2005 XM Satellite Radio Inc. All rights reserved. All other trademarks are the property of their respective owners.

SIRIUS Satellite Radio requires subscription, sold separately. © SIRIUS Satellite Radio Inc. "SIRIUS" and the SIRIUS dog logo are registered trademarks fo SIRIUS Satellite Radio Inc.
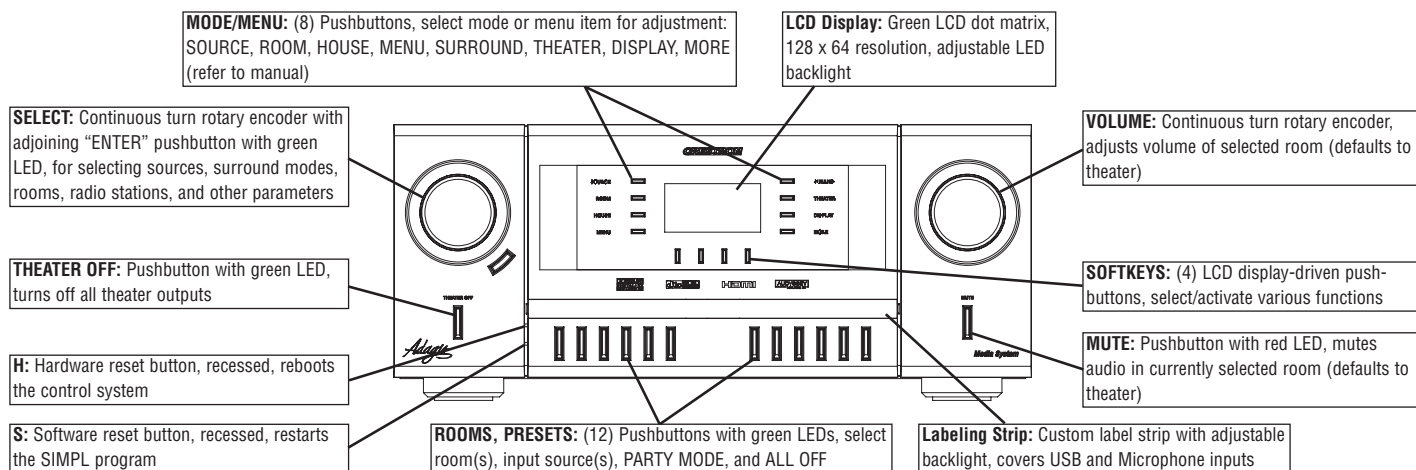
HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

Dolby, Pro Logic, and the double-D symbol are trademarks or registered trademarks of Dolby Laboratories.

DTS, DTS ES, and Neo:6 are trademarks of Digital Theater System, Inc.

Audyssey MultEQ is a trademark of Audyssey Laboratories.

Front Panel Controls

MODE/MENU: (8) Pushbuttons, select mode or menu item for adjustment: SOURCE, ROOM, HOUSE, MENU, SURROUND, THEATER, DISPLAY, MORE (refer to manual)

LCD Display: Green LCD dot matrix, 128 x 64 resolution, adjustable LED backlight

SELECT: Continuous turn rotary encoder with adjoining "ENTER" pushbutton with green LED, for selecting sources, surround modes, rooms, radio stations, and other parameters

VOLUME: Continuous turn rotary encoder, adjusts volume of selected room (defaults to theater)

THEATER OFF: Pushbutton with green LED, turns off all theater outputs

SOFTKEYS: (4) LCD display-driven push-buttons, select/activate various functions

H: Hardware reset button, recessed, reboots the control system

MUTE: Pushbutton with red LED, mutes audio in currently selected room (defaults to theater)

S: Software reset button, recessed, restarts the SIMPL program

ROOMS, PRESETS: (12) Pushbuttons with green LEDs, select room(s), input source(s), PARTY MODE, and ALL OFF

Labeling Strip: Custom label strip with adjustable backlight, covers USB and Microphone inputs

AVAILABLE ACCESSORIES

APAD
Wall Mount LCD Controller

ATC-AMFMXM
AM/FM and XM Satellite Radio Tuner Card

CNXRMIRD
IR Receiver

CSSTK
Surround Sound Tuning Kit

C2N-DBF12
12-Button Decorator Function Keypad

ATC-AMFMSR
AM/FM & SIRIUS Satellite Radio Tuner Card

STIRP
IR Probe

CLS-C6(M)
iLux™ Integrated Lighting System

AAE
Adagio Audio Expander

AAS
Adagio Audio Server

CNSP-XX
Custom Serial Interface Cable

ATC-AMFM2
Dual AM/FM Tuner Card

CEN-IDOC
Interface for Apple iPod®

C2N-TXM-C50
XM Antenna Extension Cable