

Convergent Living Control Systems Guide



**CONVERGENT
LIVING**

Imagine the Possibilities with Convergent

Convergent provides digital control solutions, high definition video switchers, scene lighting, accessories and custom services to professional integrators worldwide. Since 2002 the 10-time award-winning Companion control solutions have offered dealers and end users alike a solid value-based solution with IP benefits and flexibility like no other control solution.



Today as a leading provider of innovations for commercial, home, community and energy management industries, Convergent strives to exceed your expectations with innovative integration solutions, helping you grow while the ever-changing technologies evolve around you. Join the team of professionals worldwide adopting Convergent solutions as their premier offering for discerning clients seeking future-friendly products adding value to their homes, lives and businesses.



Companion: Limitless Possibilities

Companion is a world class digital control solution offering either fully integrated control with simple setup + customization or full custom control of devices and graphics or a mix / match of both control modes! No other solution comes close to the unique features, engaging color-saturated graphics, network updateability, robust customization, patented "thin" energy-friendly efficiency with incredible performance. See how Companion can grow your business, WOW your clients and provide the right solution for a price never before possible.



No brainer – literally. "Dumb" screens need a central controller, PC but Companion is a no brainer... the touchscreen is also the controller, a fanless control appliance offering optimal flexibility and very low power consumption, up to 1/20 that of others. Companion is an innovative all-inclusive approach; more affordable, more flexible, and with single-screen possibilities or large networked control deployments like never before.

Comprehensive – Don't settle for tiny touchscreens for each subsystem resulting in 3-4 confusing screens and keypads on a wall... but Companion's patented architecture binds all systems with simple pre-wire, setup and custom options for centralized status / control. Companion enables you to add more subsystems, bind with cross-system logic and offer a network of interface options for more revenue per installation.

Flexible – Others offer very limited screen options and NO customization, much less the full custom options professionals require. Companion offers both full custom and user-consistent GUIs on: in-wall, desktop, VESA mount, rack mount, WiFi handheld, 16:9 touchable TV, PC / remote access options with an engaging Flash interface.

Simple Setup – Companion smartcreens are self-contained, solid state, all-digital control solutions requiring no setup software or programming; an ultra fast 7-minute setup + "customization" with custom templates, full custom control for optimal home control and content dimensionality. Simply select: 1 - systems drivers 2 - how they connect 3 - customize home page modules, navigational button options, cams, photos, and browser favorites.

Full Custom – Only Convergent offers modular integrated and full custom control on a robust smartcreens and controllers with future-friendly upgradeability. And only Convergent offers the most affordable, comprehensive solution today and tomorrow.

Intuitive – Why pay far more for systems that do less and are hard to use? WOW your customers with award-winning, innovative Flash-based control. Companion was borne from usability and human factor research and has become the premier solution for integrators worldwide. It is a sophisticated control appliance; simple, yet dimensional for everyone to enjoy!

Builder Applications - Live! is a refined Community application that binds tenants, HOA, property management, valet, concierge, services on integrated smart-screens. Up to date network content feeds, where possible, for live weather, movies, traffic and much more. Enjoy real time takeout ordering, activity and event notifications, "near-to-me" shopping and more.

Gatekeeper – is the worlds only all-digital, fully integrated gated community / door access control solution. GateKeeper leverages robust, environmentally managed smartcreens specifically designed for harsh environments. Optional HVAC unit and pedestal.



Companion Muse



Companion Muse offers unparalleled access on an un-tethered smartscreen controller running the award-winning Linux/Utanium engine and Flash control architecture. Enjoy 802.11b/g embedded WiFi-based integrated and custom control with browsing, lifestyle applications, systems drivers and more! Muse is the optimal smartscreen for managing all systems whether in the theater, boardroom or on the kitchen cooktop.

The ultra-thin magnesium housing offers rugged reliability including optional rubber grips. Smart lithium ion battery technology, external battery packs, and a variety of recharging cradle options insures an always-on, long life usage.

Muse is the finest handheld controller in the world. An excellent balance of battery life, screen size and weight in an elegant design. Convergent should know, our team invented webpads.

Muse • MU8B005

- Rugged magnesium alloy enclosure
- Pentium class high yield 800MHz processor with Li-ion smart battery technology
- Embedded 802.11b/g WiFi 2.4 GHz RF card
- Quiet and reliable fan-less operation

Display: Brilliant 8.4" TFT Active Matrix 800x600 SVGA LCD with integrated touch screen

Browsing: HTML 4.01, XHTML 1.0, Javascript 1.3 with on-screen keyboard+ 4-way scroll

Audio: 16-bit audio with stereo headphone jack; built-in speaker / microphone

Includes: Recharging desk cradle, stylus, USB for external keyboard / mouse

Optional: extra battery pack, wall cradles, USB keyboard, carrying case, vehicle mounts

Size: 7.9" (201mm)H x 9.6" (244mm)W x 1.1" (28.5mm)D

Unit Weight: 1.9 lbs. excluding AC/DC adapter

Compliance: RoHS, FCC, CE

Companion 8



Companion 8 (C8) offers professional installers an elegant, robust, and full-featured in-wall touch-based controller for managing all home or commercial systems from a central location or network of locations. The C8 leverages simple CAT5 cabling to offer control and status of all systems, Internet browsing, digital media management (cams, photos and stored music), environmental control (shades and HVAC), security, scene lighting, multiroom and IR-based A/V control and full custom control; all on a fan-less control appliance.

The Companion 8 is unparalleled in features and designed for ease of installation and setup in new homes and retrofit installations. Companion 8 for all your control needs on one powerful workhorse.

C8 | C08A003

- 8.4" TFT Active matrix LCD with integrated touch
- AMD 533 Mhz processor, 64/128MB for a quiet long-life fan-less operation
- Embedded Linux OS with native Adobe Flash® player

Includes: power supply, steel pre/post-drywall backbox, drywall clamps, luster white bezel
4 programmable one-touch buttons + programmable 4-way rocker

Audio: Speaker / microphone, audio out mini jack

I/O's: 2 – DB9 Direct RS-232 serial

Phoenix power terminal / barrel jack

Ethernet RJ45

Audio I/O mini jack

Dimensions: 229mm x 169mm x 47mm 2.5 lbs

Power: DC12V, 3A, AC 100–240 V 60W

Certifications: FCC, CE, RoHS

Pre-wire: 1-2 CAT 5, 14-2 to 18-2 for LV power

Comm: Ethernet (CAT5 or better)

Serial: CAT5 if dedicated or Ethernet to serial converters

Companion 15



Companion 15 offers professional installers a robust, full-featured, large format touch controller and affordable central point of access to all systems as a desktop or VESA wall-mounted appliance. Manage all systems, digital media, environmental control, security, scene-lighting, multiroom and IR-based audio/video control on an elegant appliance conveniently located wherever. Companion 15 is unparalleled in features and designed for ease of installation in boardrooms, bars, and optimal for both new and retrofit installations.



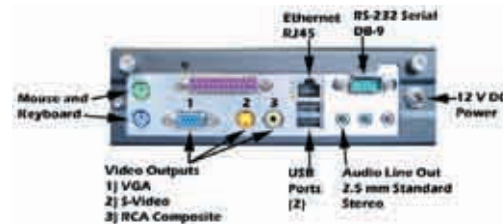
C15 | C15A006

- Large, bright VESA-mountable controller
- Durable capacitive touch overlay
- Retrofit friendly single CAT5 pre-wire
- Super fast processor



Enclosure: Elegant steel desk base with rubber footpad
 VIA 1 GHz Low heat processor, 64/128Mb for a quiet and reliable fan-less operation
Display: Brilliant 15" TFT XGA Active Matrix 50,000 hour lamp LCD with ultra-durable integrated touch overlay
I/O: 10/100 Ethernet, 4 USB, Mic /speaker jacks
Control: 2 Serial RS-232
Audio: onboard stereo speakers / mic
Power: DC19V, 3A power supply, AC 100-240 V 60W
Buttons: 1 configurable button
Dimensions: 13.8" h x 14" w x 6.7" d / 350mm x 356mm x 170mm
Weight: 4.0 kg 8.8lbs
Certification: FCC, CE, RoHS
Operation: 0-90% Humidity 0-40 deg C
Includes: desk stand, power supply, keyboard, mouse
Pre-wire: Power: 14-2 to 18-2 see cabling chart
Comm: Ethernet (CAT5 or better)
Serial: CAT5 or via Ethernet

Companion SideKick



Companion SideKick offers professional installers a very flexible and robust display controller for all systems; media, environment, security, lighting, audio/video control on one simple, affordable and flexible appliance. The ultra compact SideKick is the newest in IP-based control appliances leveraging alternative displays like remote PC's, VGA and Composite TVs (NTSC & PAL), and 3rd party Enhanced Displays as the primary interface. Control can be via the USB touchscreen or if not touch-enabled, then via the USB Mini-mice RF remotes.

SideKick C5KA003

- Flexible display options
- Enables PC control and remote access
- Small, retrofit-friendly form factor

800Mhz VIA processor for a quiet, fan-less and reliably long life operation

Network: 10/100 Ethernet

I/O: VGA, RCA Composite (NTSC/PAL)

2- USB, 1-2 Serial RS-232

Power: DC12V, 5A, AC 100-240 V 60W

Control: Optional RF Handheld Mouse w/base station

SideKick Size: 7" W x 2" H x 10" D

Rack SideKick Size: 19" x 1.75" x 10"

Includes: power supply, Software CD for PC access

Optional: USB wireless mice for control on a TV / plasma

RemoteAccess service option. Static IP NOT required.

TV control via USB RF Wands or

USB - IR keyboard input

NEW FOR 2008!

Companion SideKick I/O



Companion SideKick I/O offers professional installers a very flexible and robust controller with I/O's for sensing, IR, relays, and much more. Ideal for the theater, boardroom, multimedia rooms and for full control and automation needs without the need for third-party control panels. SideKick I/O manages all aspects of modern systems; media, environmental, lighting, audio/video control on one integrated and custom-friendly control appliance. The rack-mountable SideKick is the newest in IP-based control leveraging the Touch-Enhanced Displays and PC's, TVs (NTSC & PAL), as the primary interface display.

SideKick I/O offers a winning combination of Companion integrated system drivers, lifestyle applications, full custom control options directly sensing, automating and controlling all systems. Now that's a feature-rich appliance!

SideKick CSKA007

- Ideal theater/boardroom controller
- Expandable I/O's for very large installations

800Mhz VIA processor for a quiet, fan-less and reliably long life operation

Network: 10/100 Ethernet

Video: VGA (NTSC/PAL)

I/O: 1 IR input – terminal block

8 IR emitters – 1/8" mini-jacks

8 Contact detection circuits w/power for PIR/contacts

8 relays with NO,COM,NC contacts – terminal block

8 Video signal / DC voltage detection - RCA connector

5 RS-232 serial ports – DB9

1 RS-485 serial port – terminal block

1 RS-422 serial port – terminal block

2 USB ports

Power: DC12V, 5A, AC 100-240 V 60W

Control: Optional RF Handheld Mouse w/base station

Dimensions: 19"x1.75"x10" (483 mm x 44.5 mm x 254mm)

Includes: power supply, client software CD for PC access

Optional: USB wireless mice for control on a TV

Remote access friendly

EXPANSION BOARDS:

Half rack 1RU CAT5 connected

Relay Max: 32 relays (max 512)

Contact Max: 128 contacts (max 2048)

IR Max: 32 IR outputs (max 512)

DCv/AV Sensors: 16 sensors (max 256)

Enhanced Displays



The suite of Touch-Enhanced Displays offers professional installers a flexible, robust SideKick controller + variety of display types specifically designed for media room, kitchens, anywhere for control for modern home systems. Whether located in the media rack/room or centrally located, the SideKick control appliance can extend touchcontrol 300' via CAT5 to the displays using Gefen VGA/USB extenders for whole home access with award-winning, patented control of media, environment, security, lighting, audio/video control and much more.

Monitor home systems status or control all from more locations than ever. You can even control from other non-touch enhanced TV's via one of the handheld RF wands or control / status even from a PC in another room via VNC (Virtual Network Companion).

Affordable, easy to install and no programming required.

HDTV 26" PIP	HDTV 19"	Rack15 / Wall15	in Wall 7" / 8"
26" LCD integrated capacitive touch	19" LCD integrated capacitive touch	15" LCD integrated capacitive touch	TFT LCD with resist. touch
10W Stereo spkrs	8W Stereo spkrs	Metal housing	7" in-wall box
Built in FM Radio	400:1 contrast ratio	500:1 contrast ratio	400:1 ratio
1366x768 WXGA	1440x900 XGA	4:3 resolutions	7" 15:9
16:9 format	16:10 format		8" 4:3
Video Inputs:	Video Inputs:	Connections:	Video Inputs:
PIP	Antenna In	USB	VGA
PC DV-I	Component	VGA video	Analog -2
Component	S-Video	12V power	NTSC / PAL
S-Video	PC D-Sub input	Metal or plastic bezel	IR remote, auto-detect
PC D-Sub input	NTSC / PAL	CE, UL, RoHS	CE, RoHS
NTSC / PAL	CE, UL	3/5 year warranty	Spkr/Audio in
Antenna In	8 ms response	VESA mountable	Stand included
8 ms response	VESA mountable		
VESA mountable			

Companion Accessories

Companion 8 Accessories

Back Box / AC-C0002

Steel back box for pre & post drywalls. Drywall wings included

Power Supply / AC-C0003

Extra/Replacement Companion 8 Power supply 240V/100 – 12V, 3.5A Block

Extra Bezel / AC-C0005 / Specify glossy Black or White



Muse Accessories

Cradle / AC-MU01 / Extra re-charging cradle for the Muse.

366 Battery / AC-MU02 / Extra/Replacement Li-ion battery for the Muse (366)

Stylus / AC-MU03 / Extra/Replacement stylus

VESA Mount / AC-MU05

Lockable VESA recharging cradle, Ethernet and power and USB Connectivity

Snap-On Battery / AC-MU06 / Snap-on Extra Battery Pack for added operational life



SideKick Accessories

RF Mouse / AC-SK02

Handheld gyro with USB base station. Range ~75' Batteries included, configurable buttons

MiniMouse / AC-SK05

50' omni-directional range, USB receiver fits in remote control body for easy transport.

RF Trackball Keyboard / AC-AK006

optimal for browsing the internet without the limitation of IR



Network Accessories

NAVA 6" / AC-D0001

Ethernet to A/V adapter 3-IR ports, 1-DB9 RS-232, power supply, instructions

NAVA 18" / AC-D0002

Ethernet to A/V adapter 6-IR ports, 2-DB9 RS-232, power supply, rack wings

SENA / AC-D0003

Serial to Ethernet Adapter. DB9, 19,600 Baud, power supply included

Serial Router / AC-D0004

DB9 male to 2-DB9 female, manages 1 subsystem with two controllers in sync

IR Learner / AC-D0006

30KHz to 500KHz of learning into PCs to paste into Companion

2 Port Camera Server / GA-Camserve

digitizes 2 CCTV or analog video inputs for the network with remote access



Integrated System Drivers

Scene Lighting:



Multiroom A/V:



A/V Components:



Media Servers:



Control Panels:



Security Panels:



Environment:



Network Accessories:



Supported Comfort Panels:



Supported Via ESI:



Browser Support:



Digital Lighting

Highly Reliable

UPB communication is up to 1000 times more reliable than other powerline technologies. Large scale UPB tests show reliability to be over 99.9%

No New Wires

Powerline communication = retrofit-friendly

Flexibility

Unique rocker covers provide a variety of setup options and "later living" adjustments for adding control w/o adding a new switch

Affordable

50% of the cost of other retrofit solutions

Higher Speed

20 to 40 times the speed of X-10 with very low latency. Many times faster than HAI HLC with all dimmers control at once versus sequenced commands.

2-Way Status / Control

See status of an entire home on Companion controllers, TV's, PC's, and remote access

House Separation

Up to 256 houses on each transformer.

Interaction

UPB can be combined with many other lighting systems including X-10, CEBus, or LonWorks compatible equipment with no interference.

Peer to Peer

No central controller necessary for single point-to-point control or group (scene) control.

Signal Strength

UPB's higher signal strength, and its lower frequency, dramatically reduces signal loss in large homes.

Programming Flexibility

UPB offers tremendous flexibility and can be programmed after installation to change LED lighting on/off, modify dimming "rate".



Companion ZonePads



Now extend control with Companion ZonePads in more locations with single-gang 6 and 8-button transceivers. This revolutionary powerline-based control offers unparalleled robustness and reliability in control for every room of the home. At least one Companion smartscreen or SideKick is required. The ZonePad extended control solution offers a simple setup to map Companion or custom commands which you then can activate from any button, anywhere in the home, on retrofit powerline networks... including scenes, macros, lights, audio, and even custom control. You could control all sources, volume, power, lighting, and blinds from a single or dual ZonePad. Offered as either 6-button with a rocker and IR controllable (via optional credit card remote) or as an 8-button ZonePad. Both are backlit and engraveable.

TRANSCIVER SPECIFICATIONS

Network	120V +/- 10%, 60 Hz communication
Input	Touch + IR (6-button only)
Security	250 home codes x 250 device codes
Certifications	ETL (UL equiv). CE
Control	Fast, reliable powerline control using Universal Powerline Bus protocol
Sizes	Single, Dual gang + desktop cradle
Colors	White / Almond / Grey / Black to match Leviton-standard colors

Fully compatible with Convergent UPB digital lighting and HAI HLC



- WHITE
- ALMOND
- IVORY
- GREY
- BROWN
- BLACK

UPB Switch Bodies (Requires a Rocker Faceplate)

Dimmer Switch Body, Half Height 2/8 / SW-2

Slave Switch Body, Full Height / SW-3



Rocker Faceplates

Single Rocker Faceplate, Standard Color /V SW-12* **A**

Single Rocker Faceplate, White / SW-11 **A**

Dual Rocker, Full Height, Standard Color / SW-22* **B**

Dual Rocker, Full Height, White / SW-21 **B**

Dual Rocker, Half Height, Standard Color / SW-24* **C**

Dual Rocker, Half Height, White / SW-23 **C**

Triple Rocker, Half Height, Standard Color / SW-32* **D**

Triple Rocker, Half Height, White / SW-31 **D**

Quad Rocker, Half Height, Standard Color / SW-42* **E**

Quad Rocker, Half Height, White / SW-41 **E**

* Specify color - a:Almond; bk-Black; bn-Brown; i-Ivory; w-White

In-Wall Controller Faceplates for Dimmer Switch Body (SW-2)

4-Button Faceplate, Thin Bar / WC-4B* **F**

4-Button Faceplate, Oval / WC-4O* **G**

1 Rocker/4-Button Faceplate, Thin Bar / WC-5B* **H**

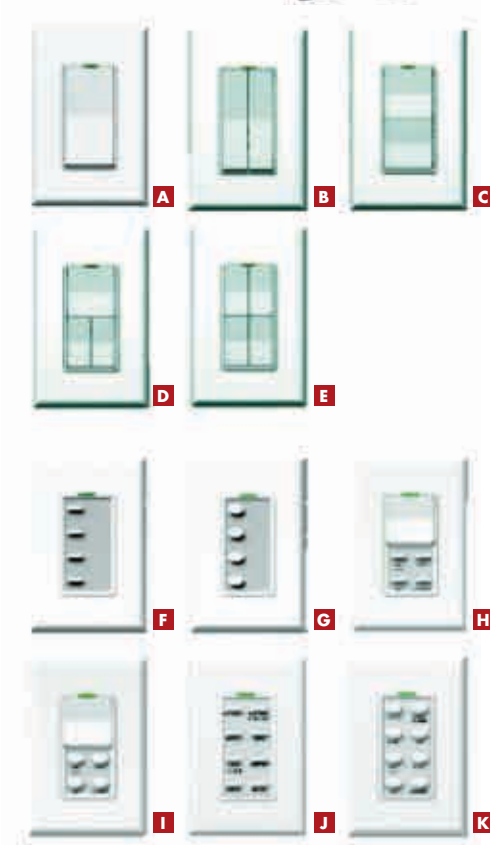
1 Rocker/4-Button Faceplate, Oval / WC-5O* **I**

8-Button Faceplate, Thin Bar / WC-8B* **J**

8-Button Faceplate, Oval / WC-8O* **K**

Label Kit for Pushbutton Faceplates / LK-01

* Specify color - a:Almond; bk-Black; bn-Brown; i-Ivory; w-White



UPB Wired In Modules

- Fixture Dimmer** / FXD-01 Installed when no wall switch to control, dimming/relay desired.
- Fixture Relay** / FXR-01 Installed when no wall switch to control, dimming/relay desired
- Controlled Outlet** / OUT-01 Replaces conventional dual wall mounted receptacle for the control of lighting and/or
- UPB Phase Coupler, Wired In** / CPR-02 Bridges signal across home phases



UPB Plug In Modules

- Basic Lamp Module** / LM-01 Plug-in dimming control
- Professional (3-prong) Appliance Module** / AM-01
- Retail (2-prong) Appliance Module**
- Input Output Module with terminal block** Two contact closure outputs, and three input closure sensors or voltage signals
- Serial PIM** (powerline interface module) / SPIM-01 Converts Companion serial output (direct RS232 or SENA)
- Plug-in Pedestal** / PED-01 (*)



Custom Matrix Switches

HDX Series

125 MHz (-3 dB) video bandwidth

Provided even when one input is directed to all outputs.



Features for HDX SERIES AV MATRIX SWITCH & VGX SERIES AV MATRIX SWITCH

- **NTSC, PAL, SECAM Capable** International compatibility
- **Presets** Up to 64 presets allow quick one touch configuration recall. The complete matrix or just a few outputs can be included in each preset. Volume control for outputs can also be included in presets
- **I/O Groups** Grouping of inputs and outputs allow easy routing for mixed signal systems.
- **Balanced or Unbalanced stereo audio** Configurations include either balanced or unbalanced audio. Balanced systems can be used for both unbalanced signals as well as balanced.
- **Audio input gain control** Each audio input can be controlled in 0.5 dB steps to allow matching of source equipment outputs.
- **Audio output volume control** Choose between logarithmic or linear volume control.
- **Audio output balance control** Each output allows you to set a balance level in 0.5 dB steps.
- **Audio output muting** Each output can be muted with a soft ramp mute or direct mute.
- **Audio output maximum volume level** Each output has a maximum volume level setting that prevents rooms from exceeding a pre-defined sound level. This setup is only available through serial or Ethernet ports to prevent unauthorized tampering.
- **Audio breakaway** Analog Stereo audio can be routed separately from video or digital audio
- **Video breakaway** Video can be routed separately from stereo audio or digital audio
- **Digital audio breakaway** Digital audio can be routed separately from stereo audio or video.
- **All signals routed** All video and audio signals on a single input can be routed using a single command.
- **Salvo mode** A single input can be routed to up to 5 outputs in a single command.
- **RS-232, RS485 control** The matrix uses simple ASCII commands for both configuration and control. This allows easy field operation and programming for third-party controllers.
- **Front panel lockout** Operation of the matrix from the front panel can be locked out. Status can still be viewed.
- **Internal international power supply** All models are equipped with internationally rated auto switching power supplies allowing the matrix to be used worldwide.
- **Redundant power supplies** Any model can be equipped with redundant power supplies.

VGX Series

300 MHz (-3 dB) video bandwidth

Provided even when one input is directed to all outputs.



CUSTOM SWITCHERS 4X4 TO 64X64: S-VIDEO, COMPOSITE, COMPONENT, DIGITAL AUDIO, BALANCED OR UNBALANCED AUDIO

Custom Matrix switchers offer a feature-rich unparalleled flexibility at unprecedented affordability. Integrated internal volume controls provide you with even more flexibility and Matrix's unique design offer rack space savings allowing fewer components per installation.

Matrix is available in a variety of video formats: Composite, S-Video, HD Component, VGA, RGBHV, DVI, SDI, HDSI from 4x4 to 64x64.

Specifications

VIDEO: General

Gain: Unity

Differential phase: .001°

Differential gain: .001%

Crosstalk: -60 dB @ 10MHz

Switching speed: 100 ns per route

VIDEO Inputs

Composite connectors: RCA, BNC (optional)

S-video: 4-Pin Mini-DIN, BNC (optional)

HD/Component: RCA, BNC (optional)

RGBhv: BNC, HD-15 (optional)

Nominal level: 1 vp-p

Min-Max level: 0 v to 2 vp-p with no offset

Impedance: 75 ohms

DC offset (max. allowable): 0.5 v

VIDEO Outputs

Composite connectors: RCA, BNC (optional)

S-video: 4-Pin Mini-DIN, BNC (optional)

HD/Component: RCA, BNC (optional)

RGBhv: BNC, HD-15 (optional)

Nominal level: 1 vp-p

Min-Max level: 0 v to 2 vp-p with no offset

Impedance: 75 ohms

DC offset (max. allowable): 0.5 v

AUDIO: General

Gain: -65 db to +32 dB

Frequency response: 20 Hz to 20 kHz, ± 5dB

S/N: > 90 dB at +32 dB output

Crosstalk: -80 dB @ 1 kHz fully loaded

Stereo channel separation:

80 dB @ 1 kHz

CMRR: > 75 dB @ 20 Hz to 20 kHz

AUDIO Inputs

Input gain adjustment:

-16 dB to 0 dB in 0.5 dB steps

Max level: 2 vp-p

AUDIO Inputs: unbalanced

AUDIO Inputs: balanced

AUDIO Outputs

Output volume range: -64 dB to 32 dB (-90 dB mute)

linear mode: 1 dB steps

logarithmic mode: logarithmic

balance: 1 dB steps

AUDIO Outputs: unbalanced

AUDIO Outputs: balanced

Control

Serial control port: RS-232: DB9

RS485 terminal block

Baud rate and protocol: 19200 default,

8 data bits,

1 stop bit, no parity

4800 - 115k baud set through front panel

Serial control pins (DB-9): RS-232:

2=TX, 3=RX, 5=GND

Serial control pins (terminal): RS-485:

1=pos, 2=neg

Video Input Selectors

Little Wizard Automatic HD A/V selectors offer affordable and reliable flexibility in 4 input to 1 output and 2 to 1 formats for managing multiple sources on a single display. The 4 to 1's can leverage the smart Automatic mode and will sense input on the lowest input and route that signal to the output. Manual on 4 to 1 offers switches, IR or serial control modes. Manual on 2-1 is triggered by 30V or IR. IR on both can be learned. All offer gold RCA connectors.

4-1 configurations:

- VGA RCA for video
- VGA for video
- RCA for Component video and audio

2-1 configurations:

- RCA for audio/video
- RCA for Component video (no audio)
- RCA for audio DIN for VHS S-Video
- RCA for audio Tin BNC for video

Specifications:

Bandwidth: VGA 300 Mhz (-3db) video

Bandwidth: Component 100 Mhz (-3db) video 1 MHz audio

Impedance: Both

Input 75 ohms video >10,000 ohms audio

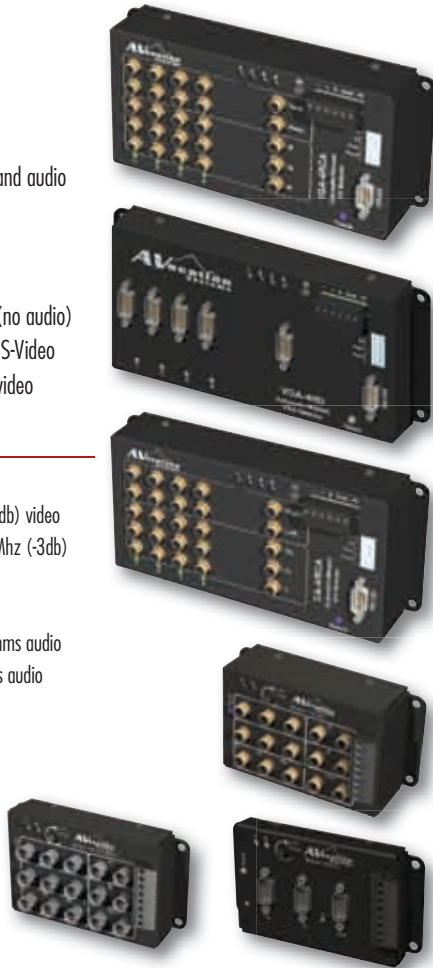
Output 75 ohms video 100 ohms audio

Audio Gain 0db

Max current 40 mA

Differential gain .01%

Max voltage 1 vpp



WebMaster Controllers



In-wall 8" Control

Offer clients a better control experience via WebMaster, the optimal access/control platform for your web-based products on an elegant, in-wall touch-screen purposed just for your needs.

WebMaster is a unique, updateable browser-based control experience without a "browsing" option for full screen (800x600 SVGA) viewing and ease of access where you want purposed control.

Dynamic IP setup is a breeze via the on-board webserver and with minimal pre-wire needs, all-inclusive packaging for power supply/steel backbox and robust fanless touchscreen appliance, you can easily and affordably provide easy one touch access for your systems in the highest traffic areas of home or commercial installations.

The high-gloss elegance and sculpted ABS white or black bezels fit flush to a wall surface and come complete with pre-drywall steel backbox and accessories for most any in-wall control need. WebMaster is ideal for most any installation. Enjoy quiet, fanless, diskless, long life operation leveraging the highly reliable Linux OS + proprietary Utonium update/setup framework + Firefox 1.5 "locked-down" browser = a purposed control/content platform for in-wall touch access and management of your products.

Features:

- Reliable Linux OS platform
- Locked down Firefox 1.5 URL viewing (may not be suitable for pages requiring ActiveX, JVM, or Flash)
- Utonium platform for updateable firmware
- DHCP setup via on-board webserver
- AC/DC adaptor/bracket, Phoenix power connector
- Steel backbox, drywall grips, stud wing and screws
- Glossy white or black bezel options

Specifications:

- AMD GX533 low heat x86 processor
- 8.4" TFT active matrix LCD with resistive touch
- 800 x 600 SVGA resolution
- Cut-out dimensions (H x W): 7.6" (193mm) x 9.5" (241mm)
- Bezel (H x W x D): 8.0" (204mm) x 10.7" (271mm) x 0.5" (12mm)
- Base weight: 2.7lbs (1.25 kg)
- FCC-B, CE, RoHS certified
- Operating Temperature: 0° ~ 40°C Humidity: 0% ~ 90%

Customization



AniMate is the customization engine included on every Companion controller. It provides unparalleled GUI flexibility, color-saturated graphics, and animated features with the renowned Adobe Flash simple object-oriented programming design tool... and the benefits are HUGE. Your designs are now vector scalable meaning a GUI designed for a 6" screen scales to a 106" LCD. And you simply add code while you design, publish, upload, then test. And can tweak/use GUIs on other installations, adding value and more revenue/install. And you can start with our Custom Templates.

Programming? Visit The AniMate Community as we offer a sharing portal as a very powerful method of exposing your custom creations to others worldwide or buying GUI's from others. Host or browse for a solution today!

Professional Services are also a very popular way to complete a job fast! We have a team of Flash wizards who can create your vision for you in short order. For more information or to get started please contact: Professional Services 303-477-7757 x116 sales@convergentliving.com.



Custom Templates



Custom Templates are an excellent solution as either a starting point for an entirely new paradigm like a floor plan layout or as just a simple method for re-coloring/re-designing the interface. The templates leverage the underlying add-on (driver) commands so no programming is required, just the Flash authoring tool and your imagination. The templates can also be a great starting point to create a custom driver for other systems that are not offered in the integrated drivers.

CineMate is the optimal interface for today's complex and sophisticated home theater. Offered with 8 existing sources + preamp and display, the CineMate theater template needs only source labels, IR codes and network setup. Best of all it can be used over and over again... customized to any color, button shape and even animation! CineMate is very flexible so it can be loaded on any all-digital Companion controller as either the sole feature, or as one of many features to optionally manage all home systems: digital media, environmental control, security, scene-lighting, weather stations, pool/ spa, shades/projector motors, multi-room and IR-based audio/video and much more.

HAI HVAC is a standalone customizable snap-in for HAI RC thermostats but can also be use as a starting point to control other like devices

HAI Lighting is a standalone customizable snap-in for HAI lighting (HLC + other lighting systems connected via HAI) but can also be use as a starting point to control other like devices

HAI Security is a standalone customizable snap-in for HAI Omni security panels but can also be use as a starting point to control other like devices

CBus is a standalone customizable snap-in for CBus lighting but can also be use as a starting point to control other like devices

UPB is a standalone customizable snap-in for Convergent's direct UPB driver using the Upstart setup application but can also be use as a starting point to control other like devices

Home Page is a standalone customizable snap-in for the Home Page, main Wheel Bar, and Home Page content regions

Control Modes

Companion's innovative architecture is very flexible, providing for simple, very scalable integrated setup and configuration with customerization; or add simple custom applets to select regions like an animate garage door status to the Home Page; or recolor the standard GUI with a logo in the background or new button shapes or new button icons; or add a full screen theater control option from the Home Page Wheel Bar menu; or take over the entire controllers with your own custom creation and custom drivers; or leverage our integrated drivers or a combo of both.

Integrated Mode

modular GUI's with integrated system drivers and lifestyle applications. Simple web setup with "customerization". Mix/match with cel mode for added customization with both full-screen applications or applets on the Home Page.



AniMate Cel Mode

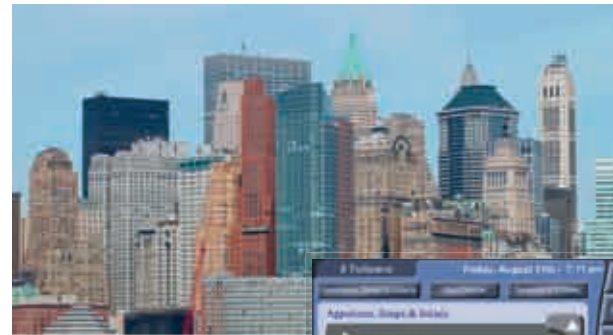
mix n' match your custom creation and Companion Mode. Home Page regions, AudioMate Home Page, Wheel Bar, etc

AniMate Feature

take exclusive control of any Companion and / or manage any custom components with your own creation or design.



Community Applications



Live! is a refined Community application that binds tenants, HOA, property management, facilities, and residents like never before possible via PC access or optimally on integrated smartscreens. Integrated with network content feeds where possible for up to date or live weather, movies, traffic and much more. Everyone wins with Live!

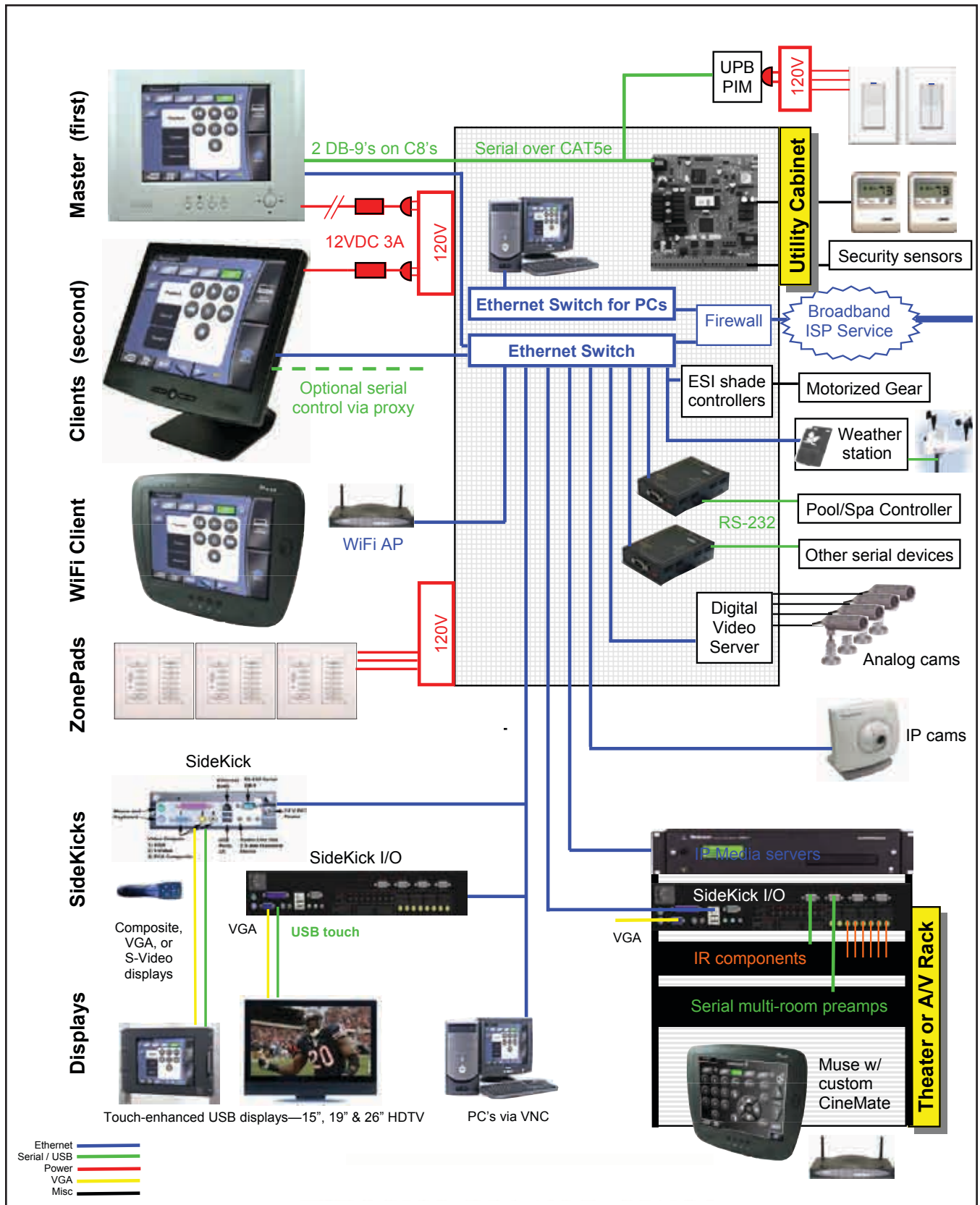
- Interactive Valet / Concierge
- Self-scheduling maintenance requests
- Facilities reservations (spas, golf, etc)
- Real time takeout ordering
- Activity and events notifications
- "Near-to-me" shopping offerings
- Sales Center tools / presentations

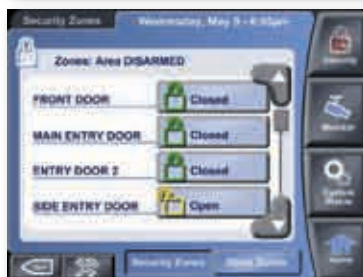
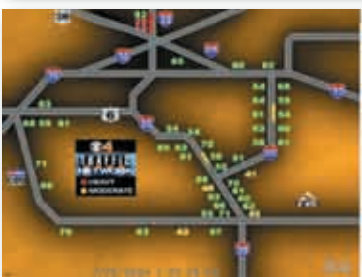
The Live! "Connected Community" module helps to differentiate entire developments, adds value, sells more tech/home and offers multiple recurring revenue possibilities.

Gatekeeper is the world's only all-digital, fully integrated gated community / door access control solution. GateKeeper leverages robust, environmentally managed smartscreens specifically designed for harsh environments. Requires AccessMate management software. Optional HVAC unit, pedestal available.



Typical Companion Connection Schema





INCREASED CONTROL FOR HOME OR OFFICE:

- Multi-room audio*
- Security systems*
- Scene lighting*
- Media servers*
- Webcams*
- Home theater*
- Internet browsing*
- Forecasts / traffic*
- Remote access*
- Photo screensaver*
- iRadio / News*
- Custom control*
- Pool / Spa*
- Zoned HVAC*
- Weather stations*
- Irrigation systems*
- IR Components*
- Community*
- Gate / Door Access*
- Automation panels*
- Energy Management*
- Shades / drapes*
- Humidity*

Subject to change without notice

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