

# For Immediate Release

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## Key Digital® Invites 2012 CEDIA Attendees to Booth Tours and Introduction of New Product Releases

CUSTOM  
ELECTRONIC  
DESIGN &  
INSTALLATION  
ASSOCIATION

Member

**Mount Vernon, NY. Key Digital Systems, Inc. – June 20, 2012** – Key Digital is extending an exclusive invitation to all Pro A/V integrators, contractors, consultants, dealers and sales personnel to a personal tour of the totally redesigned Key Digital® booth at CEDIA 2012! Come see our newest additions to the Key Digital product portfolio, and get

the rare opportunity to meet industry pioneer and holder of 40 HDTV patents, Mike Tsinberg. Key Digital® welcomes all CEDIA 2012 attendees to join our staff at the Key Digital Booth, **Booth #2046**, at the Indianapolis Convention Center, Indianapolis, IN, September, 6<sup>th</sup> – 8<sup>th</sup>.

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### **Official Press Conference for Compass Control®**

Compass Control® represents the first fully integrated major control system built from the ground up to use Apple's iOS 5 devices – iPad®, iPhone®, and iPod touch® – as its backbone.



The press event will begin at 10:00 AM in room 134/135 inside the **Indianapolis Convention Center** where Key Digital® staff will be giving full demonstrations of the system and its capability.

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## **Key Digital at CEDIA 2012: Manufacturer Trainings**

### **Compass Control®: Introduction**



Compass Control® represents the first major control line built from the ground up to use an Apple® iPod® touch, iPhone®, and iPad® as its backbone. By coupling the Master Controller with the control routing capabilities inherent in our Matrix Switchers, this system offers powerful control options including bi-directional IR and RS-232 control, serial and IP feedback, power status sensors, relays, and much more. This 90 minute class introduces the components in the

Compass System and details the basic programming process. Learn to use the Navigator software to quickly configure a complete system and utilize the features of the Database Managers.

***Friday, 9/7/2012 8:00 AM – 9:30 AM, Room: Capitol II in the Westin Indianapolis Hotel***

### **Compass Control®: Beyond the Basics**

The Key Digital Compass System provides a simple process to accomplish the basic programming. After understanding this through the Introduction class, see how to expand the functionality of your system configuration and modify the user interface. This 90 minute class further explores the capabilities of the Navigator software and Database Managers. Learn to add features to the Macros, program Sensor and Relay control, and include custom graphics. See the Lutron two-way interface for lighting, HVAC and shades operation. Go beyond the fundamentals and learn to individualize your control interface to better represent each unique customer system.

***Friday, 9/7/2012 10:00 AM – 11:30 AM, Room: Capitol II in the Westin Indianapolis Hotel***

### **HDMI Plug and Play 1: HDMI Fundamentals**



HDMI is the industry standard for video distribution. However, many dealers still feel that there are some inherent issues with this technology. Key Digital is your answer for navigating any perceived pitfalls of this format. This 90 minute straight forward approach to how HDMI signal components work begins with basic definitions and an understanding of what the signal does. Explore HDMI 1.3 vs. 1.4 and what you gain from each. Then, learn different ways to effectively transmit the signal, up to 500' using CAT6 STP wiring. Key Digital products provide you with Plug and Play solutions for your varied applications.

***Friday, 9/7/2012 12:00 PM – 1:30 PM, Room: Capitol II in the Westin Indianapolis Hotel***

## Compass Control®: Advanced Topics

After exploring the intermediate level topics for the Key Digital Compass System programming, this 90 minute class delves deeper into the capabilities of this extremely powerful programming tool. Explore using Variables to alter the interface, track actions, and trigger events based on feedback. Program the “flick” feature loved by i-Pad users to increase the wow factor of your interfaces. Learn to use feedback via RS-232 and IP to generate interactive control over your favorite products with two-way operation. For any advanced programmer wanting to utilize the abilities of the Navigator software to its fullest, this is a must take class.

**Friday, 9/7/2012 2:00 PM – 3:30 PM, Room: Capitol II in the Westin Indianapolis Hotel**

## HDMI Plug & Play 2: The Future of HDMI with Mike Tsinberg



Understand HDMI? Feel comfortable with how this technology processes and transfers the signals? Want to dig deeper into this format? Then this class is made for you. Taught by industry icon and SMPTE member Mike Tsinberg, this seminar gives you a strong appreciation of the science shaping this important protocol. Learn all about what’s driving today’s HDMI formats and get a peek behind the curtain to glimpse upcoming developments. As always, Key Digital helps you stay on top of this essential part of modern video distribution so you can continue to provide expertise to your customer base.

For more information and to make sure you are signed up for this special event, [please click here](#) to be taken to the Upcoming Events page.

**Friday, 9/7/2012 4:00 PM – 5:30 PM, Room: Capitol II in the Westin Indianapolis Hotel**

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## New products to be showcased at CEDIA 2012:

### CEDIA 2012 Product Preview/New Product Releases

#### Compass Control®



Key Digital will be the star of the show at InfoComm 2012 with the future of control: Compass Control®. Compass Control® represents the first fully integrated major control system built from the ground up to use Apple’s iOS 5 devices – iPad®, iPhone®, and iPod touch® – as its backbone.

Key Digital® in conjunction with Compass Control’s Compass Alliance Partners (CAP) has created a fully integrated control system with driver support for

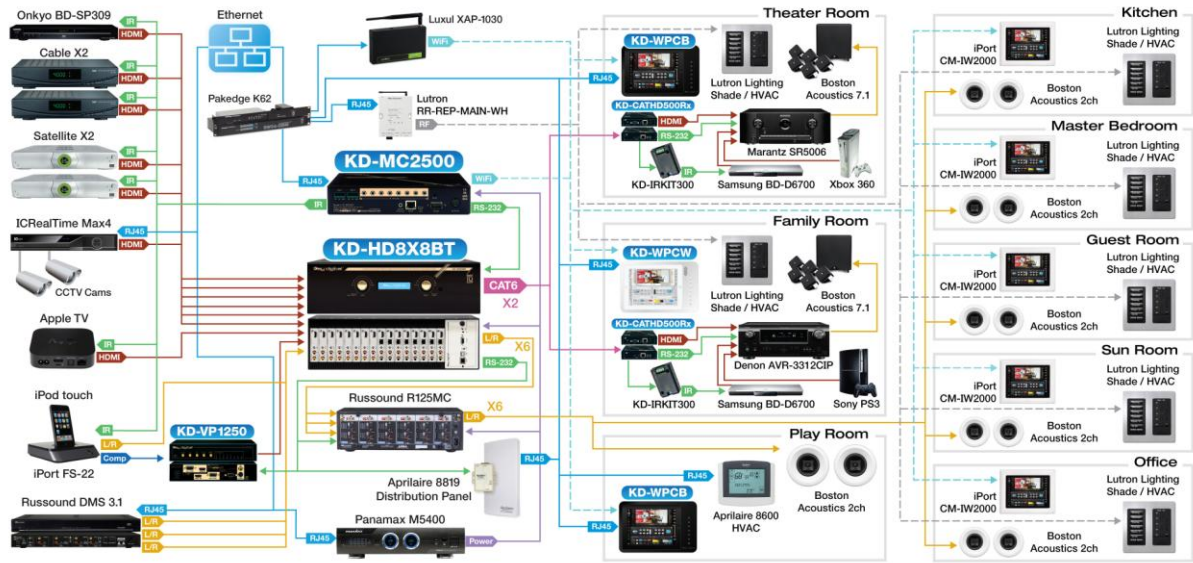
hardware from the following brands: Aprilaire, Boston Acoustics®, ClearOne®, Denon, Furman, ICREaltime Security Solutions®, iPort®, Key Digital, LG, Lutron®, Luxul, Marantz®, MechoSystems, Onkyo®, Panamax, Primeview, Russound®, SurgeX, and Wolfvision®. Combining the knowledge and expertise from the different CAP brands has allowed Compass Control® to develop into a complete turnkey residential or commercial control solution.

Compass Control® is currently comprised of three main components: the Compass Control® Software License (KD-CSL), the Compass Control® Master Controller (KD-MC2500), and the Compass Control® Wall Plate (KD-WCPB, KD-WPCW). When these three elements are combined with the Compass Control® App – currently available in the App Store on iTunes – any installation is now given complete control over audio, video, HVAC, lighting, shades, and security.

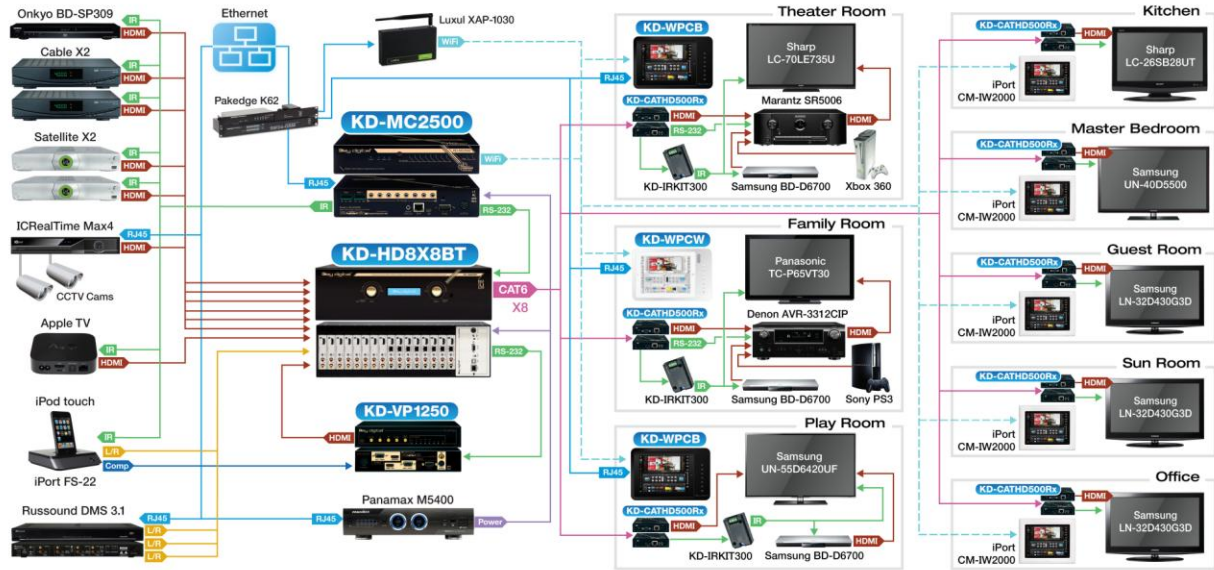
Compass Control® has the ability to control devices via RS-232, IR, or via TCP/IP. This new control system provides installers with bi-directional IR, two-way RS-232 with feedback, and two-way TCP/IP control for unlimited flexibility and maximum compatibility with new or existing devices. Compass Control® also provides control via relays and sensors demonstrating its nature as a powerful integration tool.

Come see today why Key Digital® and CAP are *the* Experts in Digital Video Technology and Solutions. For more information please visit or <http://www.keydigital.com>. For more information on Compass Control® please visit <http://keydigital.com/compass>. Key Digital® will be displaying Compass Control® at CEDIA 2012 – for more information [click here](#) or visit us at Booth #2046. Also please download the Compass Control® demo app by [clicking here](#).

## Audio System Design for Residential Application



## Video System Design for Residential Application



## New Products to be Introduced at CEDIA 2012

### Digital iQ Series – HDMI Matrix Switchers

#### KD-HD8X8BT

8 Inputs to 8 Outputs HDBT/HDMI/DVI via Single CAT6/STP Matrix Switcher with Audio Distribution System

#### Key Features:

- Full switching of 4 independent matrixes: Video, Analog Audio, Digital Coaxial Audio, HDMI Audio
- Master Control function of Control system to Input Output connection for Bi-Direction IR, and Bi-Directional RS-232 Control
- Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) resolutions up to 1080p (60Hz & 50Hz):
  - **SD & HD:** 480i, 480p, 720p, 1080i, 1080p
  - **VESA / RGBHV:** From 640x480p up to 1920x1200p
- Supports lossless compressed digital audio:
  - Dolby® TrueHD, Dolby® Digital Plus and DTS™-HD Master Audio
- Internal EDID Library features 10 default EDID configurations, in addition to Native EDID data for any Output/Display
- Full Buffering of HDCP and EDID for seamless and fast switching
- TMDs re-clock for support of long HDMI/DVI or CAT6/STP connections and daisy chain configurations
- Flexible I/O config from 1x15 to 15x1
- Cat6 outputs implement HD baseT format
- Full Buffer Technology



#### Key Benefits:

- Transmits 1080p/60Hz resolution up to 400 ft. and 1080p/24, 1080i, 720p and 480i/p resolutions up to 600 ft. when used with KD-CATHD500RX Receiver Baluns\* and CAT6STP1X
- Fully automatic CAT6/STP cable equalization
- Video, Audio, IR and RS-232 distribution via a single CAT6/STP cable
- 16 active outputs (8 HDMI/DVI and 8 CAT6/STP) enables flexible integration
- Full Audio control per output for volume, treble, bass, balance, and lip-sync die 2-ch stereo formats from analog or digital sources
- Serial IR, Optical IR, Front Panel & RS-232 control
- Supports major control systems such as KEY DIGITAL;, AMX®, Control4®, Crestron®, RTI®, Universal®

#### Full Buffer Technology:

- Uninterrupted switching and viewing of any source/input with any display/output is achieved through Key Digital fully buffered matrix technology regardless of multiple output viewing relation

#### HDMI Advanced Features:

- **3D** - Capability to pass 3D stereoscopic signal formats
- **4K** - 4096x2160/24 video resolution support for commercial applications such as Digital Movie Theaters, CAD, Post Production, Graphics and etc.

## Champion Series

### KD-1X2

1 Input to 2 Outputs HDMI Switcher

#### Key Features:

- Distributes 1 HDMI source to 2 HDMI outputs
- Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) resolutions up to 1080p (60Hz & 50Hz)
  - SD & HD: 480i, 480p, 720p, 1080i, 1080p
  - VESA / DVI: From 640x480p up to 1920x1200p
- Internal EDID Library features 9 default EDID configurations, plus one for Native Display



#### Key Benefits:

- Can be cascaded to support up to 64 outputs or displays
- Default EDID for 1080i or 1080p systems (EDID Control™)
- Full Support for HDMI® with HDCP, 12-Bit Deep Color Video
- Supports lossless compressed digital audio:
  - Dolby® TrueHD, Dolby® Digital Plus and DTS™-HD Master Audio)

#### HDMI Advanced Features:

- **3D** - Capability to pass 3D stereoscopic signal formats
- **4K** - 4096x2160/24 video resolution support for commercial applications such as Digital Movie Theaters, CAD, Post Production, Graphics and etc.

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### KD-2X1

2 Inputs to 1 Output HDMI Switcher

#### Key Features:

- Digital switching of multiple 2 HDMI inputs to 1 HDMI output
- Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) resolutions up to 1080p (60Hz & 50Hz)
  - SD & HD: 480i, 480p, 720p, 1080i, 1080p
  - VESA / DVI: From 640x480p up to 1920x1200p
- Automatic sensing of signal presence and switching to active input



#### Key Benefits:

- Full Support for HDMI® with HDCP, 12-Bit Deep Color Video
- Supports lossless compressed digital audio:
  - Dolby® TrueHD, Dolby® Digital Plus and DTS™-HD Master Audio
- Optical IR and Pushbutton control

#### HDMI Advanced Features:

- **3D** - Capability to pass 3D stereoscopic signal formats
- **4K** - 4096x2160/24 video resolution support for commercial applications such as Digital Movie Theaters, CAD, Post Production, Graphics and etc.

## **KD-1X4**

1 Input to 4 Outputs HDMI Switcher

### **Key Features:**

- Distributes 1 HDMI source to 4 HDMI outputs
- Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) resolutions up to 1080p (60Hz & 50Hz)
  - SD & HD: 480i, 480p, 720p, 1080i, 1080p
  - VESA / DVI: From 640x480p up to 1920x1200p
- Internal EDID Library features 9 default EDID configurations, plus one for Native Display



### **Key Benefits:**

- Can be cascaded to support up to 64 outputs or displays
- Default EDID for 1080i or 1080p systems (EDID Control™)
- Full Support for HDMI® with HDCP, 12-Bit Deep Color Video
- Supports lossless compressed digital audio:
  - Dolby® TrueHD, Dolby® Digital Plus and DTS™-HD Master Audio)

### **HDMI Advanced Features:**

- **3D** - Capability to pass 3D stereoscopic signal formats
- **4K** - 4096x2160/24 video resolution support for commercial applications such as Digital Movie Theaters, CAD, Post Production, Graphics and etc.

## **KD-4X1**

4 Inputs to 1 Output HDMI Switcher

### **Key Features:**

- Digital switching of multiple 4 HDMI inputs to 1 HDMI output
- Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) resolutions up to 1080p (60Hz & 50Hz)
  - SD & HD: 480i, 480p, 720p, 1080i, 1080p
  - VESA / DVI: From 640x480p up to 1920x1200p
- Automatic sensing of signal presence and switching to active input



### **Key Benefits:**

- Full Support for HDMI® with HDCP, 12-Bit Deep Color Video
- Supports lossless compressed digital audio:
  - Dolby® TrueHD, Dolby® Digital Plus and DTS™-HD Master Audio
- Optical IR and Pushbutton control

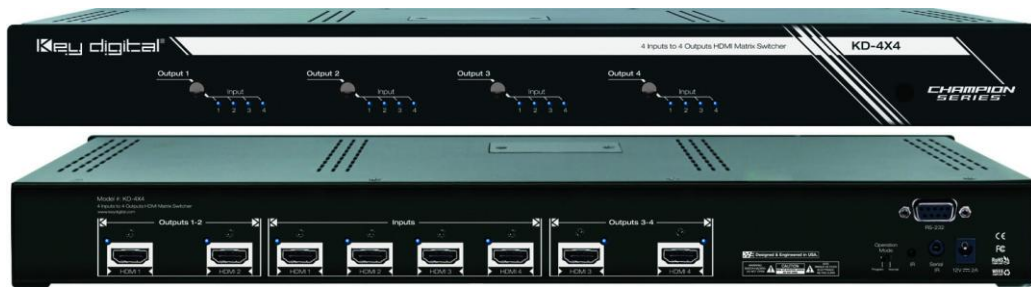
### **HDMI Advanced Features:**

- **3D** - Capability to pass 3D stereoscopic signal formats
- **4K** - 4096x2160/24 video resolution support for commercial applications such as Digital Movie Theaters, CAD, Post Production, Graphics and etc.



## **KD-4X4**

### 4 Inputs to 4 Outputs HDMI Matrix Switcher



#### **Key Features:**

- Full HDMI matrix switching between 4 HDMI sources and 4 Displays or Zones at any time and in any combination
- Supports all SD, HD, and VESA (VGA, SVGA, XGA, WXGA, SXGA, UXGA) resolutions up to 1080p (60Hz & 50Hz)
  - SD & HD: 480i, 480p, 720p, 1080i, 1080p
  - VESA / VGA (RGBHV): From 640x480p up to 1920x1200p
- Supports lossless compressed digital audio:
  - Dolby® TrueHD, Dolby® Digital Plus and DTS™-HD Master Audio
- Internal EDID Library features 9 default EDID configurations, in addition to Native EDID data for any Output/Display
- Light Buffer Technology

#### **Key Benefits:**

- Key Digital's Buffered Matrix Technology™ allows up to 4 HDMI sources to be independently switched to 4 Displays or Zones at any time and in any combination
- LED Link Lights indicate connectivity between KD-4X4 and each input & output device
- Full Support for HDMI® with HDCP, 12-Bit Deep Color Video
- Serial IR, Optical IR, Front Panel & bi-directional RS-232 control
- Supports major control systems such as AMX®, Compass Control™, Control4®, Crestron®, RTI®, Universal®, Savant

#### **Light Buffer Technology:**

- Multiple output viewing mode is supported by a dynamic realignment in clocking that may appear as a short blink when multiple displays/outputs select a single source/input. This dynamic re-clocking improves video quality on all displays and does not affect switcher performance during non-switching operation
- Full Buffer operation can be achieved with the use of KD-HDDA1x1 for each input, eliminating the need for dynamic realignment of your input signal

#### **HDMI Advanced Features:**

- 3D - Capability to pass 3D stereoscopic signal formats
- 4K - 4096x2160/24 video resolution support for commercial applications such as Digital Movie Theaters, CAD, Post Production, Graphics and etc.

## Industry Leadership



**Mike Tsinberg, Founder and President of Key Digital, is a holder of 40 HDTV patents.**

- SMPTE fellow
- Participated with Emmy Award Winner for DVD technology development
- “Father of DVD” - Developed architecture and system software for world first Digital Video Disk (DVD) MPEG2 based authoring system - key DVD enabling technology

**Key Digital<sup>®</sup> Systems** is a CES award-winning developer and manufacturer of leading-edge technology for HDTV applications, delivering total video systems solutions. The company manufactures a wide range of digital video processing and video signal distribution solutions marketed broadly to the HDTV community, such as digital video and audio processors, switchers, distribution amplifiers, cables, adapters, and more. For more information, visit us at [www.keydigital.com](http://www.keydigital.com).