



# KD-MC1000

Master Controller for Compass Control® (Wired/LAN, supports up to 8 Ports)

## Key Features

- › **iOS Backbone:** First major control system built from the ground up using Apple's iOS devices – iPad®, iPad® mini, iPhone®, and iPod touch®
- › **Total 8 Ports:** 6 MCP35™ multi-function I/O Ports, 1 Relay/Contact Closure Port, 1 ZigBee® Wireless Port
  - › MCP35™ Multi-function 3.5mm I/O Ports can be programmed to be one of the following functionalities: bi-directional IR, bi-directional RS-232, Voltage Level output, Voltage Sensor input, PCM Audio sensor input or Composite Video Sensor input
- › **Bi-Directional ZigBee Wireless 2.4 GHz Port:** Dedicated for operation of ZigBee® Wireless 2.4 GHz & IR Universal handheld remote ([KD-ZRC300](#)) and ZigBee® Wireless 2.4 GHz Tx & Rx ([KD-ZRX200](#))
- › **USB Support:** USB port for firmware upgrades
- › **Built-in IR Learning:** Front-facing IR window enables learning of IR codes from external IR remotes
- › **LAN:** Direct wire to LAN via RJ45
- › **Relay Control:** Control external equipment with one set of switchable contacts. Any multi-function 3.5mm port can be converted to Contact Closure using Key Digital® [KD-CCXR200](#) Converter
- › **Real-Time Master Control:** Allows user to store variables and events internally with/without iOS device
- › **Compass Navigator™:** PC Editor allows fast and easy programming
- › **Device Configuration:** Allows all functions and integration into Compass Control® Project via IP and Compass Navigator™ software
- › **Complete System Control:** Audio, Video, Lighting, Shades, HVAC, Security, Climate, Music and more
- › **Control Distribution:** Integrates with all Key Digital® Control Routing HDMI Switchers to expand the control system and add control ports
- › **No need for PC or Mac in the system:** All system performance is controlled by iOS device and KD-MC1000 Master Controller
- › **Compass Alliance™ Partners:** Pre-loaded code sets - [Full Partner Listing](#)



## Reliable iOS Integration Features

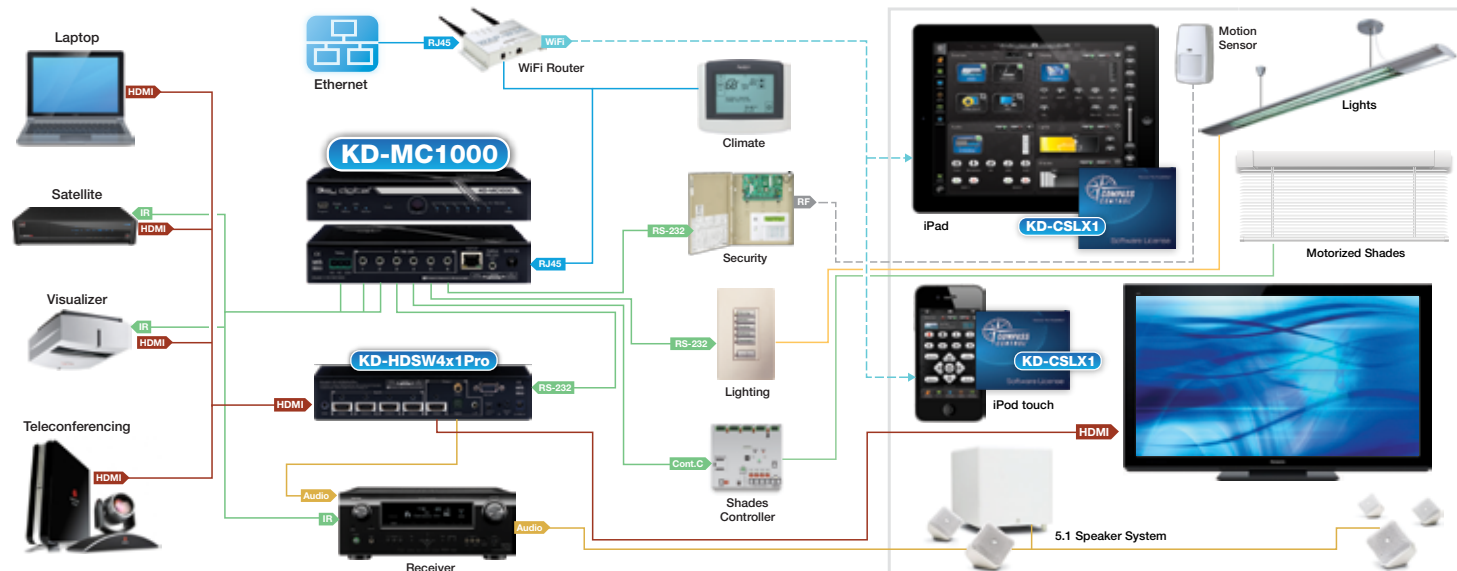
- › **IP Connectivity Stabilizer:** Stable and constant TCP/IP socket created by KD-MC1000 with IP target devices via Telnet or HTTP regardless of iOS devices status.
- › **Event Handler:** Scheduled events & actions based on iOS time and calendar variables including:
  - › Schedule Mode: Schedule and execute timer events from iOS device and/or KD-MC1000
  - › Schedule Sensing Mode: Execute events triggered by voltage or video/audio sensing by KD-MC1000



## Specifications

- › MCP35™ Multi-Function I/O (6): 3.5mm Female stereo connectors independently configured as IR (mono, Tx or Rx, configurable from +5V to +12V), RS-232 (stereo, Tx and Rx, configurable from +5V to +12V), Voltage Trigger (configurable from +3.3V to +12V), Voltage Sensor (Digital Audio or Video, from +0.1V to +3.3V)
- › Relay (1): Independently configurable to NO (active), or NC (inactive) with 12A / 250VAC resistive switching capacity
- › TCP/IP (1): Supports 10/100BaseT up to 100Mbps for communication with iOS devices via LAN, software updates, device configuration and setup
- › Accessories: External 5V3A Power Supply, USB Cable, (1) 3-Pin Terminal Block for Relay, (6) 3.5mm to IR Emitter, (3) 3.5mm to RS-232 Data Cable, Rack Mount Ears
- › Product: 6.5" x 4" x 1.13", 1.5 lbs.   › Packaging: 8.8" x 6.2" x 3.9", Weight: 3 lbs.
- › Regulation: CE, RoHS, WEEE   › Enclosure: Black Metal 1/2U

## System Design Example



ZigBee is a registered trademark of ZigBee Alliance.