

prodigy™  
simple + affordable



 **CRESTRON**



## » Welcome Home

Prodigy by Crestron, the most respected and trusted name in home automation, is control without compromise. Installed in more homes worldwide than all other brands combined, Crestron is the global standard in luxury homes. Backed by Crestron quality, expertise and support, Prodigy provides the power and scalability you'd expect at a price you can afford. Now every house can be a Crestron home with Prodigy.

Prodigy offers affordable, simplified control of your home and entertainment from any room in your house or any place on the planet. Keep all your music, movies, lights, thermostats and security at your fingertips wherever you are and wherever you go. You are always in touch and in control with Prodigy. Make your home the perfect sanctuary where you can escape everyday stress. Just a simple tap of your finger brings you serenity, comfort, convenience and pleasure. Prodigy does all the thinking so you don't have to.

# prodigy™

## Simple to Install

Prodigy products are all specially designed to work together seamlessly, so there's no special wiring or expensive installation. Fast, reliable wireless solutions mean that any home system can be set up quickly and easily, saving time and money.

## Easy to Use

Prodigy intelligently manages home entertainment, lights and thermostats for you, so you just instinctively press a button and Prodigy serves up whatever you desire. Prodigy delivers modern home management and keeps you in control.

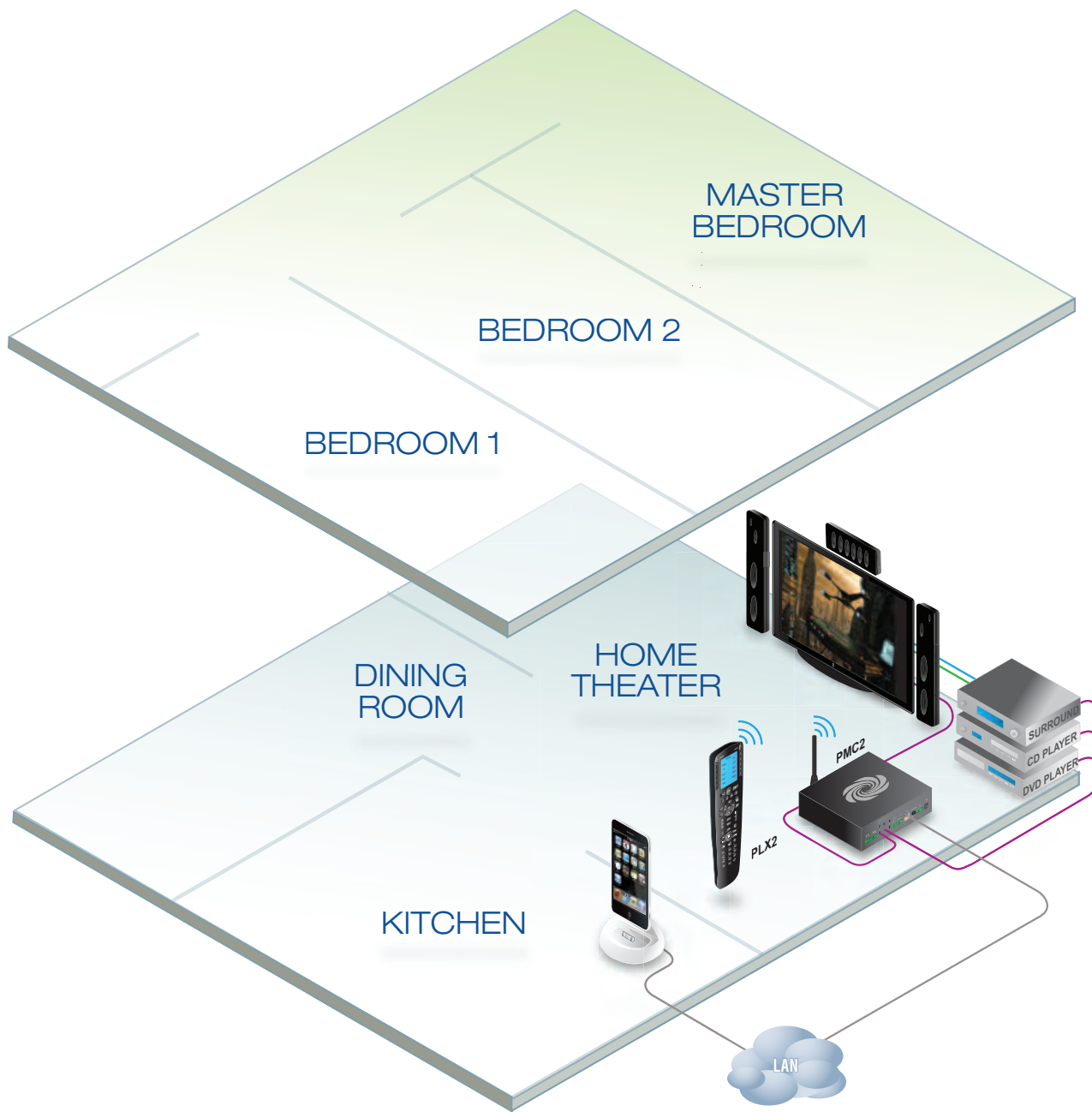
## Affordable

Peace of mind, security and happiness are not luxuries reserved for the privileged. Prodigy provides the highest level of home entertainment, comfort and convenience for every family, every lifestyle and every budget. Built on a flexible, scalable platform, you can start with home theater today; distribute music throughout the house tomorrow, then add lighting and climate control—even remote control from laptops and mobile devices.

Prodigy is so smart it will even save money after it's installed. Conserve energy and reduce costs without compromising comfort. Dim lights or turn them off automatically when the room is vacant. Install multiple thermostats to create smaller zones for heating and cooling, and create temperature setpoints for simple, effective environmental control. Prodigy intelligently manages lighting and temperature in the house to shrink your carbon footprint and your electric bill.



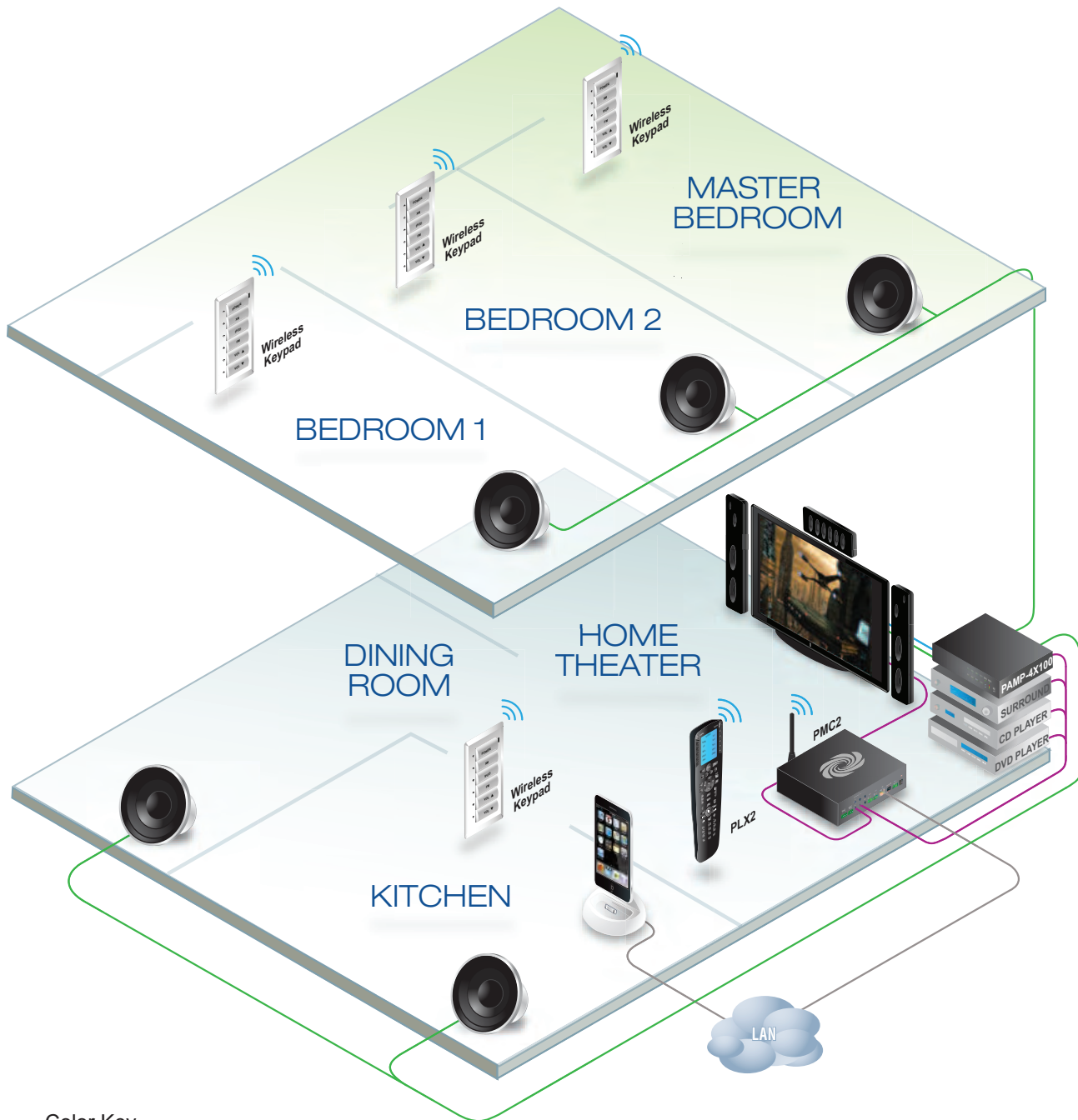
# Simple Wireless Home Theater...



### Color Key

- Control
- Video
- Audio
- LAN
- Cresnet

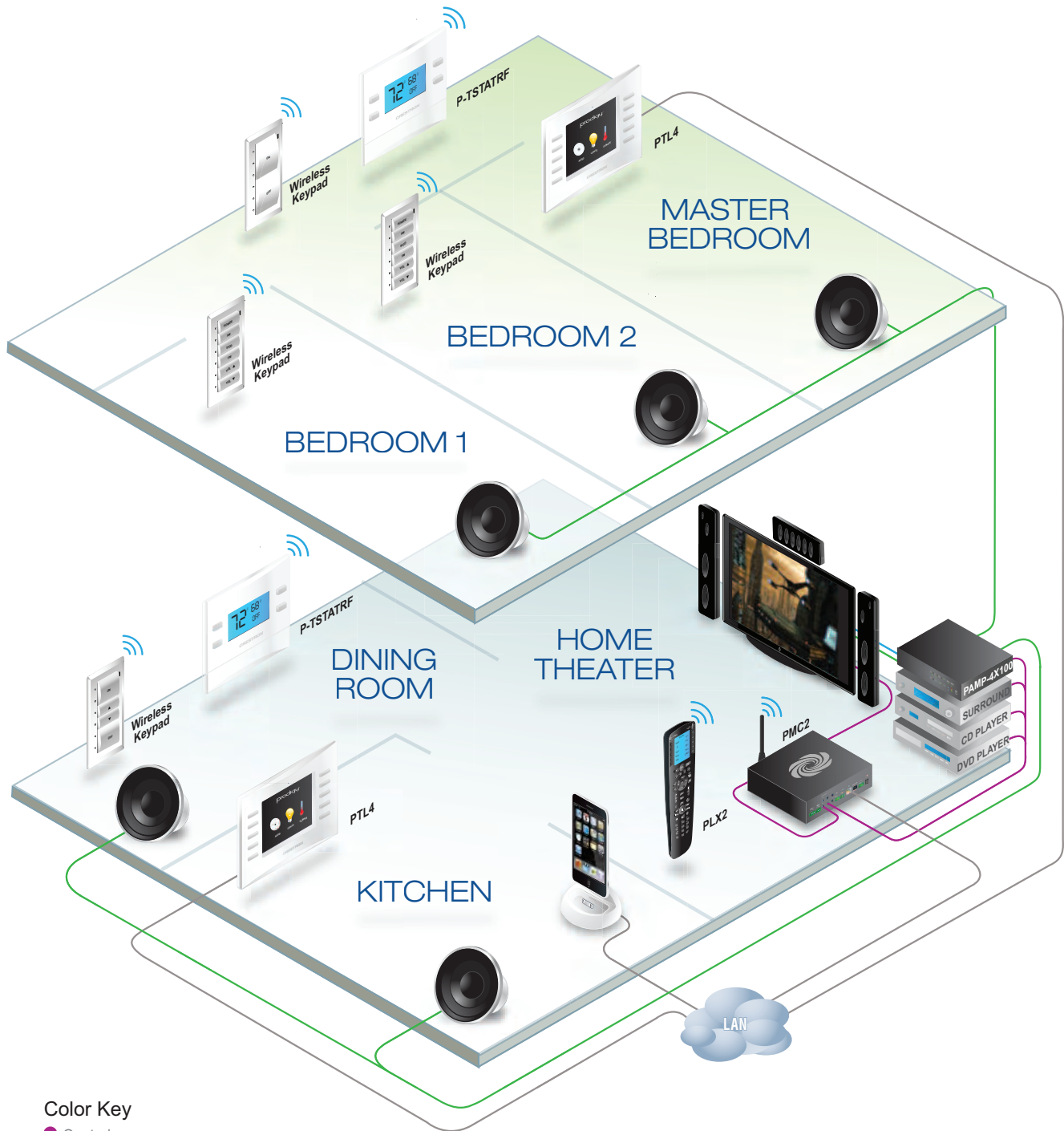
# add Whole House Audio...



**Color Key**

- Control
- Video
- Audio
- LAN
- Cresnet

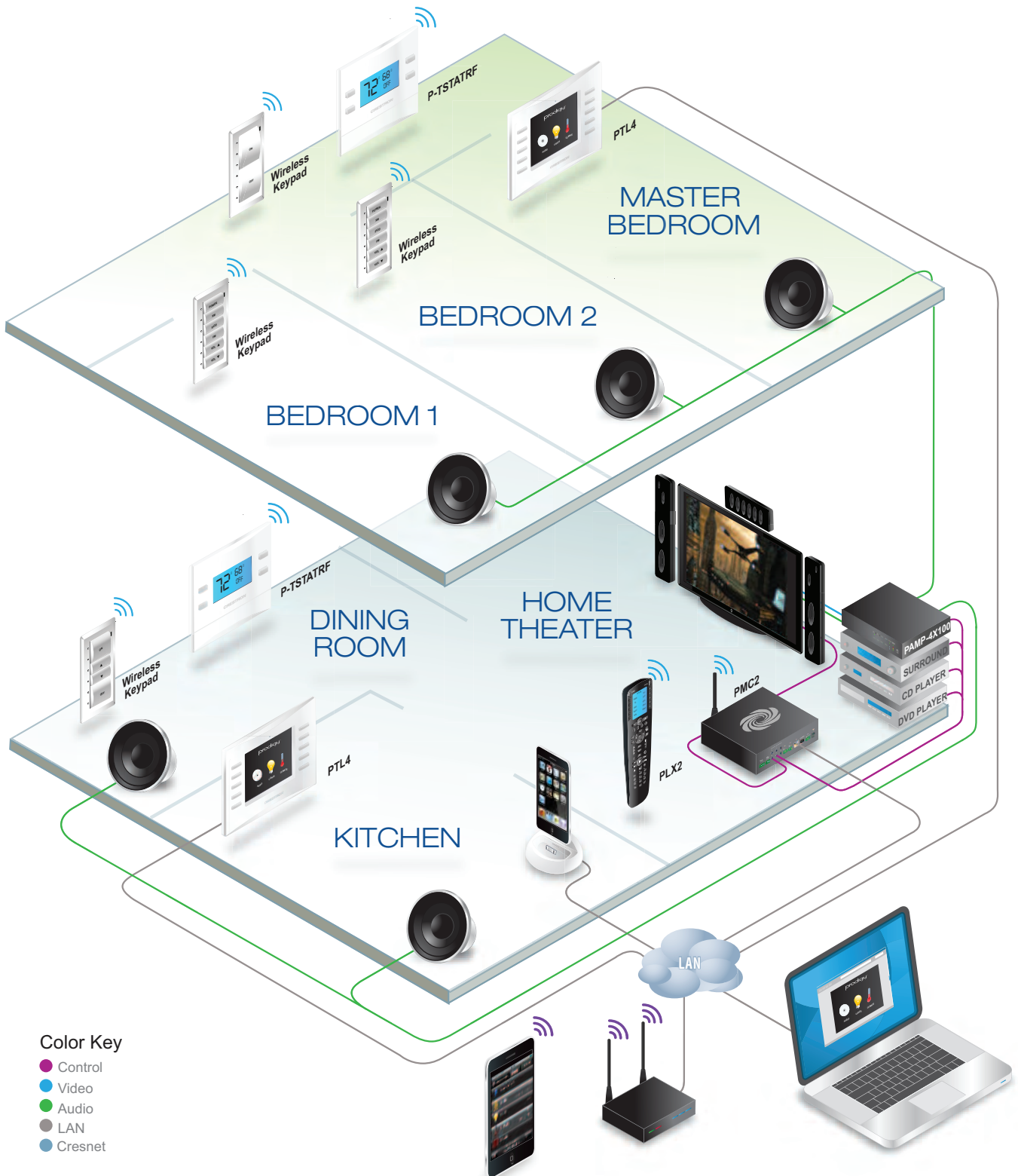
# Wireless Lighting and Climate Control...



**Color Key**

- Control
- Video
- Audio
- LAN
- Cresnet

# and Remote Control from Web Devices

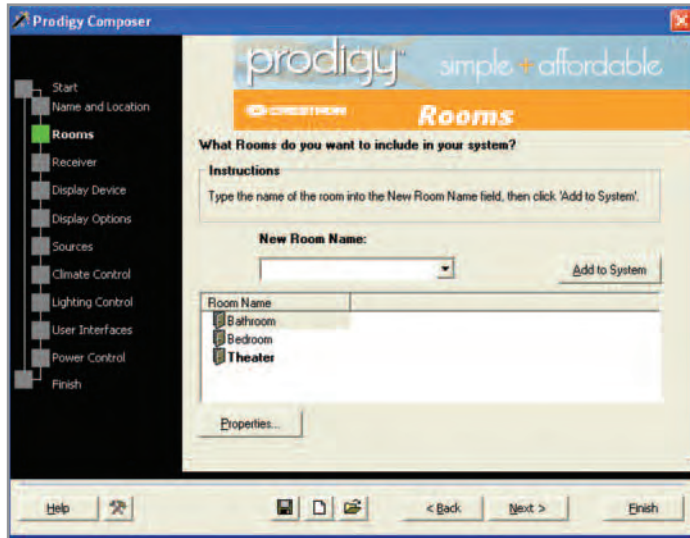


# Prodigy Composer Setup Wizard

Prodigy is easy to set up. There's no system design or expensive installation. The software guides you through a few simple steps using basic drop down menus and check boxes.

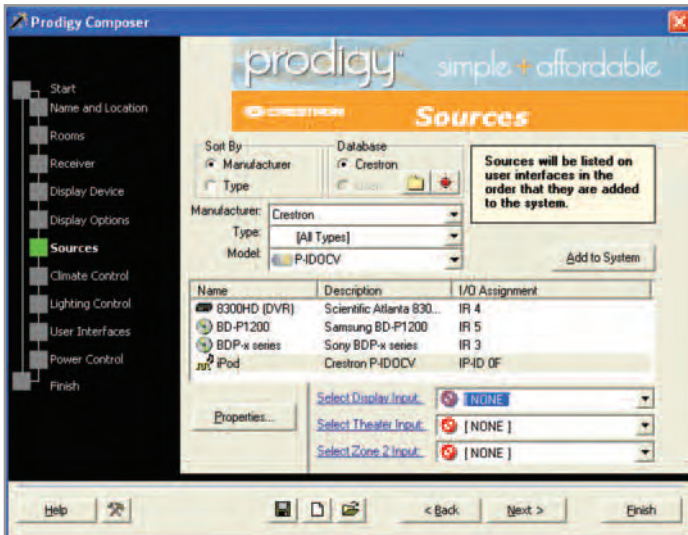
It's as easy as **1-2-3.**

step 1



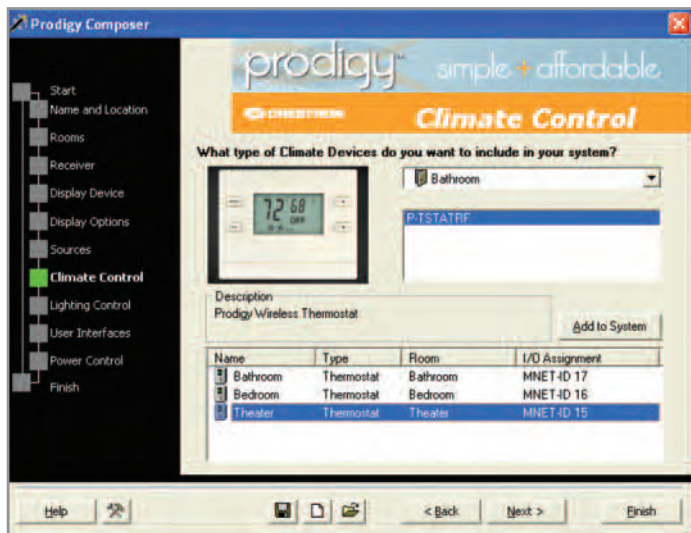
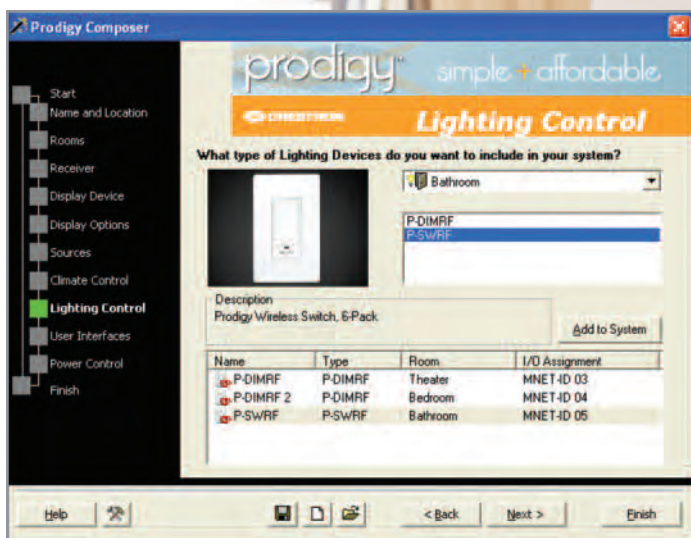
select rooms

step 2 choose sources + controllers





# step 3 enjoy!



That's it—you're done.

You can even add lighting and climate control if you want.

Prodigy Composer provides all the logic and creates touchscreen interfaces automatically in the background. The wizard is intuitive, so anyone can get a system up and running in minutes without any training.

## PMC2 Prodigy Media Controller



- ▶ Supports touchpanels, remotes, keypads, thermostats, dimmers and switches
- ▶ Supports Web-based control from PCs, laptops and mobile devices
- ▶ Simple configuration with Prodigy Composer software

## PTL4 Prodigy In-Wall Touchpanel



- ▶ Simple control of home entertainment, lights and thermostats throughout the house
- ▶ Easy installation via standard Ethernet connection
- ▶ Built-in design templates provided

## PTX3 Prodigy Handheld Touchpanel



- ▶ 2.8" active-matrix touchscreen
- ▶ Ergonomic design provides easy control for any member of the family
- ▶ 27 individual pushbuttons provide intuitive, tactile control
- ▶ Up to six PTX3s can be used with the PMC2 at distances up to 50 feet away

## P-SWRF-6 Prodigy 2-Way Single Button Wireless Switch



- ▶ Control lights directly or access preset levels
- ▶ Simple wireless installation in a standard 1-gang box
- ▶ Automatic discovery for fast, easy setup
- ▶ Built on the fastest, most reliable Crestron communications network

## P-DIMRF-6 Prodigy 2-Way Single Button Wireless Dimmer



- ▶ Control lights directly or access preset levels
- ▶ Simple wireless installation in a standard 1-gang box
- ▶ Automatic discovery for fast, easy setup
- ▶ Built on the fastest, most reliable Crestron communications network

## P-CBD-6 Prodigy 2-Way Wireless Lighting Keypad



- ▶ Low cost room controller for lighting; pre-engraved buttons included
- ▶ Configurable with two or four buttons
- ▶ Simple wireless installation in a standard 1-gang box
- ▶ Automatic discovery for fast, easy setup
- ▶ Built on the fastest, most reliable Crestron communications network

## P-CBD-AD-4 Prodigy 2-Way Wireless Audio Keypad



- ▶ Low cost six button room controller for audio source select and volume
- ▶ Simple wireless installation in a standard 1-gang box
- ▶ Automatic discovery for fast, easy setup
- ▶ Built on the fastest, most reliable Crestron communications network

## P-IDOCV Prodigy Interface for Apple® iPod®



- ▶ Watch videos and listen to music throughout the home from up to two iPods
- ▶ View cover art; select titles, artists and albums – even scroll through playlists right from remotes and touchpanels, iPhone® and iPod touch®
- ▶ Automatically syncs with iTunes® without undocking

## PT-AMFMXM Prodigy AM, FM, XM Tuner



- ▶ Select audio in any room in the house from built-in AM/FM/XM tuners
- ▶ Select channel presets from keypads and view station and song information from remotes and touchpanels, iPhone and iPod touch

## PAMP-4X100 Prodigy Multi-Zone Amplifier



- ▶ Provides high quality stereo audio to multiple rooms and home theater
- ▶ Six audio sources to four rooms at 50 watts per channel
- ▶ Expandable up to 12 rooms
- ▶ Adjust levels and select sources from front panel, remotes, touchpanels and keypads

## P-RFEXP Prodigy Wireless Expander



- ▶ Extends range up to 150' indoors
- ▶ Up to 10 expanders can be added
- ▶ Automatic discovery for fast, easy setup
- ▶ Wi-Fi friendly channel assignment

## P-TSTATRF Prodigy 2-Way Wireless Thermostat



- ▶ Controls baseboard, forced air and heat pump HVAC systems
- ▶ Adjust setpoints from thermostat, remotes and touchpanels
- ▶ Connect up to three thermostats
- ▶ Simple wireless installation in a standard 1-gang box
- ▶ Automatic discovery for fast, easy setup
- ▶ Built on the fastest, most reliable Crestron communications network

## P-MNETGW Prodigy Wireless Gateway



- ▶ Supports dimmers, switches, keypads and thermostats
- ▶ Up to 150' range indoors
- ▶ Automatic discovery for fast, easy setup
- ▶ Wi-Fi friendly channel assignment

## PMC2 Prodigy™ Media Controller



The Prodigy PMC2 is a powerful and cost-effective control processor, designed by Crestron to provide a very easy solution for controlling a complete home theater system and enabling sophisticated home automation capabilities. Watch movies, listen to music, adjust lights and thermostats: the PMC2 integrates the controls and equipment together, providing intuitive features that make the system easy to use and enjoy every day.

### Control at Home or Away

**Crestron pioneered the world's first Ethernet control system, and Prodigy takes full advantage of that expertise to deliver remote control, monitoring, and programming over the home LAN, the Internet—even a cellular phone network!**

- ▶ From any Web browser, or using the Apple® iPhone® or iPod touch®, Prodigy lets you turn off the kitchen lights from your office desktop, check the security system or temperature from your favorite café, and receive an email alert when the kids get home from school
- ▶ Connect multiple touchpanels and remotes for convenient in-house control

### Quick Install

**Whole house automation can be easily enabled without having to run new control wire.**

- ▶ With the simple connection of a Prodigy Wireless Gateway, the PMC2 can support numerous remotes, dimmers, switches and thermostats
- ▶ Other home automation features such as interfacing to a security system can be managed right through the home LAN

### Fast, Easy Setup

**Setting up a Prodigy system is incredibly fast and easy using Prodigy Composer software.**

- ▶ Without any special knowledge, a fully functioning home theater with whole house lighting and climate control can be configured in mere minutes
- ▶ Prodigy third-party device drivers are impeccably written and tested to ensure a problem-free user experience without any tweaking
- ▶ Prodigy Composer makes it easy to customize functionality and personalize touchpanels through intuitive drag-and-drop programming

### Beyond the Universal Remote

**Prodigy Handheld Remote (included) provide a stylish device for controlling the entire home theater and automation system.**

- ▶ Dynamic menus and scrolling lists of channels, media titles, radio stations, source selection, room lighting and temperature appear right on the remote
- ▶ Up to six remotes can be used with the PMC2 at distances of up to 100' away, even through walls; add P-RFEXPs to extend range

### The Elegant Touch Made Affordable

**Prodigy touchpanels provide the ultimate in customizable touchscreen control for the home theater and entire house at a remarkably affordable cost.**

- ▶ Complete control over lighting, security, audio, temperature and other functions, all through a single compact device that fits in the space of a light switch

### A Control Solution for Every Budget

**Now the innovation, flexibility and reliability of Crestron automation is available in an economical package.**

- ▶ Replace a table full of remotes with one integrated package
- ▶ Control lights, temperature, media and more

## SPECIFICATIONS

### Wireless

**RF Transceiver:** 2-way RF, 2.4 GHz ISM channels 11-26 (2400 to 2483.5 MHz), default channel 15; IEEE 802.15.4 compliant

**Range (typical):** 100' indoor, subject to site-specific conditions

**RF Transmit Power:** 3.84mW

### Ethernet

10BaseT/100BaseTX, auto-negotiating, full/half duplex, static IP or DHCP/DNS, SSL, TCP/IP, CIP, SMTP, built-in e-Control® Web server and email client

### Connectors

**Relay 1-2:** Detachable terminal block with (2) relay control outputs for screen, lift, shades, fireplace, etc.

Rated 1 Amp, 30 Volts AC/DC

MOV arc suppression across contacts

**Input 1 - 2:** Detachable terminal block with (2) digital or analog control inputs for sensing logic signals, contact closures, occupancy sensors or photocells:

Digital Logic Threshold: 1.25 Volts DC

Analog Input Range: 0-10 Volts DC

Rated 0-24 Volts DC

**IR 1 - 5:** (5) Mini phone jack IR/serial control outputs for STIRP IR Emitter probes (included): IR frequency: up to 1.2 MHz; 1-way TTL/RS-232 (0-5 Volts) up to 115.2k baud

**IR IN:** (Future)

**COM 1 - 2:** (2) Detachable terminal block bidirectional RS-232 control ports

Supports up to 115.2k baud with software handshaking

**LAN:** RJ45 10BaseT/100BaseTX Ethernet port

Green LED indicates link status

Yellow LED indicates Ethernet activity

**Computer:** USB Type B computer console port (cable included)

Connects to computer for setup and programming

**NET:** Detachable terminal block (communications port) for external RF gateway

**24VDC 0.7A:** DC power input for PW-2407W power supply (included)

**Antenna (front):** Connection for supplied antenna (included)

### Control and Indicators

**PWR:** Green power LED indicates operating power supplied from external power pack

**HW-R:** Hardware reset button reboots the system

**SW-R:** Software reset button restarts the program

**ACQUIRE:** Pushbutton with red LED for setting up wireless connections

**ACTIVITY:** Red LED indicates wireless communications

### Power Requirements

**PMC2:** 18 Watts (0.75 Amps) @ 24 Volts DC from PW-2407W power supply (included)

**PW-2407W (included):** 100-240 Volts AC, 50/60 Hz

### Environmental

**Temperature:** 41° to 113°F (5° to 45°C)

**Humidity:** 10% to 90% RH (non-condensing)

### Dimensions

**Height:** 2.04 in (5.17 cm)

**Width:** 8.00 in (20.32 cm)

**Depth:** 6.65 in (16.87 cm) including antenna

### Weight

31.54 oz (0.89 kg)

### Included Accessories

**PLX2 :** Wireless Handheld Remote

**PW-2407W:** Power Pack

**STIRP:** (5) IR Emitter Probes

### Prodigy System Compatibility Chart \*

Model	System Maximum
PLX2	6
PTX3	6
PTL4	6
P-SWRF-6	18**
P-DIMRF-6	18**
P-CBD-6	6
P-MNETGW	1***
P-IDOCV	2
PAMP-4X100	3
P-CBD-AD-4	6
PT-AMFMXM	2
P-TSTATRF	3
P-RFEXP	10***

\* Only compatible Prodigy equipment is supported on the Prodigy control network

\*\* Total of 18 dimmers or switchers or combination of the two, not to exceed 18 total

\*\*\* Maximum of 30 wireless devices can be connected to a P-MNETGW wireless gateway

## PTL4 Prodigy™ In-Wall Touchpanel



The Prodigy PTL4 is a compact yet powerful in-wall touchpanel providing dramatic, custom control on a 3.6" screen. With the PTL4, control and information is available at the touch of an icon or hard button; by combining the power of Crestron Synapse™ image rendering and the Crestron Isys™ touchpanel engine, a truly interactive control system is at your command.

Achieve dramatic and easy-to-use custom interfaces using Prodigy Composer for complete home control at the touch of a button. Control lighting levels, temperature, tuner, audio distribution, iPods and more from a single interface.

### Appealing Interfaces

Powerful yet simple programming tools enable the creation of dramatic and intuitive interfaces.

- ▶ 3D effects
- ▶ Full motion animation
- ▶ PNG translucency
- ▶ Advanced anti-aliasing

### Versatile Control

With the PTL4 control is more than simple on/off. The power of 2-way communications provides for a truly interactive interface.

- ▶ Real time control and feedback from lighting and thermostats
- ▶ View iPod playlist and album art directly on screen
- ▶ Select AV sources and control room volume settings

### A Control Solution for Every Budget

Start with one touchpanel and add on as needs and budget allow.

- ▶ Connect up to six PTL4 touchpanels throughout the house
- ▶ Simple installation via an Ethernet connection
- ▶ Control one or many rooms from a single interface

## SPECIFICATIONS

### Touchscreen Display

**Display Type:** TFT active matrix color LCD

**Size:** 3.6 inch (9.1 cm) diagonal

**Aspect Ratio:** 4:3 QVGA

**Resolution:** 320 x 240 pixels

**Brightness:** 300 nits (cd/m<sup>2</sup>)

**Contrast:** 300:1

**Color Depth:** 16-bit, 64k colors

**Illumination:** Edgelit LED

**Viewing Angle:** ±80° horizontal, +80°/-50° vertical

**Touchscreen:** Resistive membrane

### Buttons

Functions (10) translucent white backlit pushbuttons, programmable  
Reset (1) miniature pushbutton behind faceplate, used to reset touchpanel

### Processor

**CPU:** 32-bit Freescale ColdFire® Microprocessor

### Memory

**DRAM:** 16 MB

**Flash:** 8 MB

**Maximum Project Size:** 7 MB

### Graphics Engine

Isys™ engine; 16-bit non-palette graphics; 65,536 colors; Crestron Synapse™ image rendering algorithm, multi-mode objects, dynamic graphics, PNG translucency, full-motion (60 fps) animation

### Ethernet

10BaseT/100BaseTX, auto-switching, auto-negotiating, auto-discovery, full/half duplex, TCP/IP, CIP, DHCP, IEEE 802.3U compliant

### Audio

**Hardware Features:** Built-in amplified speaker (rear), internal volume control

**Audio Feedback (WAV):** 8-bit PCM, mono, 8 kHz sampling rate

**Amplification:** 1 Watt for built-in speaker

### Connections

**NET:** (1) 4-pin 3.5mm detachable terminal block, for local power only

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

### Power Requirements

**Power Usage:** 5 Watts (0.21 Amp @ 24 Volts DC)

**PW-2407W (included):** 100-240 Volts AC, 50/60 Hz

### Environmental

**Temperature:** 32° to 104°F (0° to 40°C)

**Humidity:** 10% to 90% RH (non-condensing) enclosure

### Enclosure

**Construction:** Injection-molded plastic, flush-mountable using clips provided (additional mounting kits available)

**Faceplate:** Injection-molded plastic

### Dimensions

**Height:** 4.54 in (11.52 cm)

**Width:** 6.19 in (15.73 cm)

**Depth:** 2.13 in (5.40 cm)

### Weight

15.0 oz (0.43 kg)

### Included Accessories

**PW-2407W:** Power Supply

### Available Accessories

**BB-4L:** Pre-Construction Wall Mount Back Box

**PMK-4L:** Pre-Construction Wall Mount Kit

**TMK-4L:** Trim Ring

**MMK-4L:** Mud Ring

**WMKT-4L:** Lectern or Post-Construction Wall Mount Kit with Trim Ring

**WMKM-4L:** Post-Construction Wall Mount Kit with Mud Ring

**WMKB-4L:** Replacement Wall Mount Clips

## PTX3 Prodigy™ Handheld Touchpanel



The Prodigy PTX3 is a versatile, cost effective home theater remote control. This state of the art handheld 2-way controller includes a 2.8" active-matrix touchscreen capable of displaying stunning graphics and dynamic text with true feedback.

The ergonomic layout of pushbuttons provides intuitive, tactile control for hands and fingers of all sizes. Its compact size and design offer easy one-handed operation, while its 802.15.4 wireless technology affords reliable communications over everything from home theater to whole house automation as part of a complete Prodigy system.

The touchscreen provides graphic display and control of lighting levels, temperature, tuner RDS information, amplifier and security system status – even your iPod playlists – all from a single handheld remote.

### A Touchscreen in Your Hand

**The PTX3 touchscreen supports the creation of engaging interface pages, custom menu functions and interactive control.**

- ▶ Menus and lists of channels, media titles, radio stations, source selection and even room lighting and temperature appear right on the remote
- ▶ Supports Synapse™ technology for stunning graphics and dynamic control interfaces
- ▶ Use Prodigy Composer templates or create personalized interfaces

### Versatile Control

**The PTX3 Prodigy Handheld Remote provides a single stylish device for controlling the entire home theater and automation system.**

- ▶ Single press turns on your system and triggers presets
- ▶ Ergonomic design delivers easy control for any member of the family
- ▶ 27 individual pushbuttons provide intuitive, tactile control
- ▶ Up to six PTX3s can be used with the PMC2 at distances up to 50 feet away - even through walls

### A Control Solution for Every Budget

**Now the innovation, flexibility and reliability of Crestron automation are available in an economical package.**

- ▶ Elegant, ergonomic handheld design
- ▶ The functionality of a larger touchscreen at a fraction of the cost
- ▶ Once connected to the PMC2 controller, the PTX3 can replace every remote in the house
- ▶ Range can be increased by adding P-RFEXP wireless expander



## SPECIFICATIONS

### Touchscreen Display

**Display Type:** Transflective TFT active matrix color LCD

**Size:** 2.8 inch (7.2 cm) diagonal

**Aspect Ratio:** 3:4 QVGA (portrait orientation)

**Resolution:** 240 x 320 pixels

**Brightness:** 350 nits (cd/m<sup>2</sup>) typical

**Contrast:** 500:1 typical

**Color Depth:** 16-bit, 64k colors

**Illumination:** LED backlit

**Viewing Angle:** ±75° horizontal, +75/-55° vertical

**Touchscreen:** Resistive membrane

### Buttons and Indicators

**Power (top):** (1) programmable pushbutton, performs hardware reset if held for >10 seconds

**Hard Keys:** (3) programmable pushbuttons below touchscreen

**Functions:** (15) programmable pushbuttons with white EL backlit labeling for GUIDE, HOME, LIST, MUTE, INFO, LAST, MENU, KEYPAD, EXIT, and icons for Rewind, Play, Forward, Stop, Pause, Record

**Volume:** (1) programmable rocker button with white EL backlit Volume 'Raise' and 'Lower' icons

**Navigation Pad:** (5) programmable pushbuttons comprising a 5-way thumbpad (4-way navigation plus "enter")

**Up/Down:** (1) programmable rocker button with white EL backlit 'Up' and 'Down' arrows

**More (right side):** (1) programmable thumb-operated side button

**Charge:** (1) Green LED, indicates charging status when docked

### Memory

**SDRAM:** 128 MB

**Flash:** 256 MB

**Maximum Project Size:** 24 MB

### Operating System

Microsoft® Windows® CE 6.0

### Graphic Engine

Isys i/O® engine, 16-bit non-palette graphics; 65,536 colors; Synapse™ image rendering algorithm; multi-mode objects; dynamic graphics and text; PNG translucency; full-motion (60 fps) animation; transition effects

### RF Wireless

**RF Transceiver:** 2-way RF, 2.4 GHz ISM channels 11-26 (2400 to 2483.5 MHz), default channel 15; IEEE 802.15.4

**Range:** 50 feet (15 m), subject to environmental conditions, range can be increased by adding P-RFEXP wireless expander

**Gateway:** Requires PMC2

### Tilt Sensor

Wakes touchpanel within 0.5 second when unit's physical orientation is moved from horizontal to vertical

### Connectors

**USB (bottom):** (1) Mini Type AB female behind battery cover; USB 1.1 computer console port, cable included

### Battery

**Battery Type:** Lithium Polymer, 3.7 Volt, 1000 mAh (included)

**Usage per Charge:** 5 hours continuous at full brightness

**Charging Time:** 2 hours

**Cycle Life:** >300 cycles (80% capacity)

### Power Requirements

**PTX3-DS Docking Station/Charger (included):** 1.5 Amps @ 12 Volts DC

**PW-1215WU Power Supply (included):** 0.6 Amp @ 100-240 Volts AC, 60Hz

### Environmental

**Temperature:** 32° to 104°F (0° to 40°C)

**Humidity:** 10% to 90% RH (non-condensing)

**Heat Dissipation:** 5 BTU/Hr

### Enclosure

**Construction:** Injection-molded plastic, integral docking station port

### Dimensions

**Height:** 1.04 in (2.63 cm)

**Width:** 2.55 in (6.48 cm)

**Depth:** 7.94 in (20.17 cm)

### Weight

6.5 oz (.18 kg) including battery

### Included Accessories

**PTX3-DS:** Docking Station/Charger

**PTX3-BTP:** Internal Battery Pack

**PW-1215WU:** 12 Volt Power Pack, 1.5A

### Available Accessories

**P-RFEXP:** Wireless Expander

## P-SWRF-6 Prodigy™ Single Button Wireless Switch



The Prodigy P-SWRF-6 is an elegant and robust in-wall switch that brings stylish and affordable lighting control to any home. Mesh network technology of 802.15.4 affords reliable communications and load control without the need for additional wiring. Whether installed in retrofit or new construction, the P-SWRF-6 provides a low cost lighting solution, bringing the benefits of automated lighting to any budget.

### Intelligent Control

**The single rocker button provides intuitive operation with easy access to presets or manual adjustments.**

- ▶ 2-way feedback of lighting status to processor, remotes and touchpanels
- ▶ Control of loads from dimmer or control interfaces
- ▶ Robust and reliable wireless connectivity using 802.15.4 mesh networking technology
- ▶ Functions stand-alone or with enhanced capabilities when connected to processor

### Quick Installation

**The Prodigy line of products is designed for easy setup.**

- ▶ Automatic addressing
- ▶ Mounts in standard 1-gang box
- ▶ Fits a standard decorative wall plate
- ▶ Prodigy Composer does not require code or load schedules

### Simple Interface

**Single button operation.**

- ▶ Intuitive functions for presets and dimming
- ▶ Status LED provides feedback on operation

### A Control Solution for Every Budget

**Now the innovation, flexibility and reliability of Crestron automation is available in an economical package.**

- ▶ Control lights from switch or other Prodigy interfaces
- ▶ Rugged and reliable operation
- ▶ Expand to more rooms as budget allows

## SPECIFICATIONS

### Load Ratings

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**Incandescent/Tungsten Halogen or Electronic Low Voltage:** 1000 Watts; 700 Watts, one side fin removed; 550 Watts, both side fins removed

**Magnetic Low Voltage or Neon/Cold Cathode:** 1000VA/750 Watts; 700VA/500 Watts, one side fin removed; 550VA/400 Watts, both side fins removed

**Fluorescent/High Intensity Discharge:** (HID) 8 Amps; 5.5 Amps, one side fin removed; 4.5 Amps, both side fins removed

**Ceiling Fan:** 3 Amps

**Minimum Load:** 40 Watts, 0.5 Amps

### Power Requirements

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120 Volts AC, 60Hz, line power, neutral required

### LED Indicators

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(1) Amber LED flashes in various patterns to warn when in SET mode while counting down to turn-off to confirm a new delay time setting and to indicate setup and communication status. Normally glows dim in RUN mode to provide a locating beacon in the dark

### Controls

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**Button:** 2-position rocker pushbutton for on/off switch control and delay adjustment

**Mode Switch:** 3-position slide switch; selects RUN, SET, or OFF mode

### Wireless

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**RF Transceiver:** 2-way RF, 2.4 GHz ISM channels 11-26 (2400 to 2483.6 MHz), IEEE 802.15.4 compliant

**RF Output Power:** 10 mW

**Range (typical):** 150' indoor, 250' outdoor, subject to site-specific conditions

**Gateway:** requires a P-MNETGW Gateway/Transceiver

### Connectors

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**Hot:** (1) 14 AWG Class 1 flying lead, black, line power input

**Load:** (1) 14 AWG Class 1 flying lead, red, load output

**Neutral:** (1) 18 AWG Class 1 flying lead, white, neutral

**Ground:** (1) 16 AWG Class 1 flying lead, green, ground

### Environmental

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**Temperature:** 32° to 104°F (0° to 40°C)

**Humidity:** 10% to 90% RH (non-condensing)

### Enclosure

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1-gang mountable in a 3-1/2 inch deep electrical box

### Dimensions

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**Height:** 4.13 in (10.48 cm)

**Width:** 2.38 in (6.03 cm)

**Depth:** 1.88 in (4.77 cm)

### Weight

---

4.4 oz (0.12 kg)

### Available Accessories

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**P-MNETGW:** Gateway/Transceiver

## P-DIMRF-6 Prodigy™ Single Button Wireless Dimmer



The Prodigy P-DIMRF-6 is an elegant and robust in-wall dimmer that brings stylish and affordable lighting control to any home. Mesh network technology of 802.15.4 affords reliable communications without the need for additional wiring. Whether installed in retrofit or new construction, the P-DIMRF-6 provides a low cost lighting solution, bringing the benefits of automated lighting for any budget. Control one load directly or multiple rooms of lights through the PMC2, with true 2-way feedback via touchpanel or handheld remote. Enhanced whole house control is just a button push away.

### Intelligent Control

**The single rocker button provides intuitive operation with easy access to presets or manual adjustments.**

- ▶ Direct 2-way feedback of light levels to processor, remotes and touchpanels
- ▶ Control of loads from dimmer or control interfaces
- ▶ Robust and reliable wireless connectivity using 802.15.4 mesh networking technology
- ▶ Functions stand-alone or with enhanced capabilities when connected to processor

### Quick Installation

**The Prodigy line of products is designed for easy setup.**

- ▶ Automatic addressing
- ▶ Mounts in standard 1-gang box
- ▶ Fits a standard decorative wall plate
- ▶ Prodigy Composer does not require code or load schedules

### Simple Interface

**Single button operation.**

- ▶ Intuitive functions for presets and dimming
- ▶ Status LED provides feedback on operation

### A Control Solution for Every Budget

**Now the innovation, flexibility and reliability of Crestron automation is available in an economical package.**

- ▶ Control lights from dimmer or other Prodigy interface
- ▶ Rugged and reliable operation
- ▶ Expand to more rooms as budget allows

## SPECIFICATIONS

### Load Ratings

---

**Incandescent/Tungsten Halogen:** 1000 Watts; 700 Watts, one side fin removed; 550 Watts, both side fins removed

**Magnetic Low Voltage:** 1000VA/750 Watts; 700VA/500 Watts, one side fin removed; 550VA/400 Watts, both side fins removed

### Power Requirements

---

120 Volts AC, 60Hz, line power

### Controls

---

**Button:** 2-position rocker pushbutton; for dimming control and preset store/recall

**Mode Switch:** 3-position slide switch selects RUN, SET, or OFF mode

**Dimming Ramp:** Rate 5 seconds (default), software adjustable 0.01 to 10 sec.

**Preset Fade Time:** 2 seconds (default), software adjustable 0.01 to 120 sec.

### LED Indicator

---

(1) Amber LED flashes in various patterns to warn when in SET mode to indicate that a given preset has been stored, and to indicate setup and communication status. Normally glows dim in RUN mode to provide a locating beacon in the dark

### Wireless

---

**RF Transceiver:** 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.6 MHz), IEEE 802.15.4 compliant

**Range (typical):** 150' indoor, 250' outdoor; Subject to site-specific conditions

**RF Transmit Power:** 10mW

**Gateway:** Requires a P-MNETGW Gateway/Transceiver

### Connectors

---

**Hot:** (1) 14 AWG Class 1 flying lead, black, line power input

**Load:** (1) 14 AWG Class 1 flying lead, red, load output

**Neutral:** (1) 18 AWG Class 1 flying lead, white, neutral

**Ground:** (1) 16 AWG Class 1 flying lead, green, ground

### Environmental

---

**Temperature:** 32° to 104°F (0° to 40°C)

**Humidity:** 10% to 90% RH (non-condensing)

### Enclosure

---

1-gang mountable in a 3-1/2 inch deep electrical box

### Dimensions

---

**Height:** 4.13 in (10.48 cm)

**Width:** 2.38 in (6.03 cm)

**Depth:** 1.88 in (4.77 cm)

### Weight

---

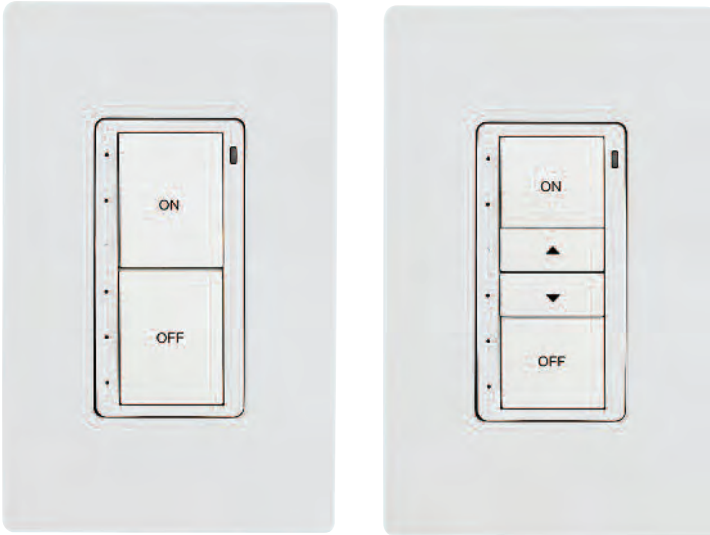
4.9 oz (0.14 kg)

### Available Accessories

---

**P-MNETGW:** Gateway/Transceiver

## P-CBD-6 Prodigy™ Wireless Keypad



The Prodigy P-CBD-6 is an elegant and robust in-wall keypad providing simple control of lighting. Mesh network technology of 802.15.4 affords reliable communications and load control without the need for additional wiring. Whether installed in retrofit or new construction, the P-CBD-6 provides a low cost interface solution, bringing the benefits of automated control to any budget.

The P-CBD-6 is configurable as a two or four button keypad, with a selection of pre-engraved buttons to fit your application needs. Control one or many rooms from a single interface. With the bidirectional feedback of Prodigy remotes and touchpanels, lighting in any room is a touch away.

### Intelligent Control

**Intuitive operation enables easy access to presets or manual adjustments.**

- ▶ Direct feedback to processor, remotes and touchpanels
- ▶ Robust and reliable wireless connectivity using 802.15.4 mesh networking technology

### Quick Installation

**The Prodigy line of products is designed for easy setup.**

- ▶ Automatic addressing
- ▶ Mounts in standard 1-gang box
- ▶ Fits a standard decorative wall plate
- ▶ No additional wires need to be run; simply install in gang box and you're done

### Simple Interface

**Single button operation.**

- ▶ Intuitive functions
- ▶ Status LED provides feedback on operation
- ▶ Configurable as a two or four button keypad

### A Control Solution for Every Budget

**Now the innovation, flexibility and reliability of Crestron automation is available in an economical package.**

- ▶ Control lights from keypad or other Prodigy interfaces
- ▶ Rugged and reliable operation
- ▶ Expand to more rooms as budget allows

## SPECIFICATIONS

### Wireless

---

**RF Transceiver:** 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.6 MHz), IEEE 802.15.4 compliant

**Range (typical):** 150' indoor, 250' outdoor; Subject to site-specific conditions

**RF Transmit Power:** 10mW

**Gateway:** Requires a P-MNETGW gateway

### Connections

---

**HOT:** (1) Captive screw terminal, line power input

**NEUTRAL:** (1) Captive screw terminal

**GROUND:** (1) Captive screw terminal

### Buttons

---

**Keypad Buttons:** Configurable for 2 or 4 single-action pushbuttons

**Button Events:** Programmable for Normal, Tap, Double-Tap, and Hold

**Button Caps:** Includes (2) small, (2) medium, and (2) large button caps

### Backlight

---

White LED light pipe backlight; Software-adjustable intensity, auto-dimmable

### LED Indicators

---

**Feedback:** (6) White LED light pipes, Programmable, auto-dimmable, adjustable intensity, 10 blinking patterns

**Bargraph:** (1) 6-segment bargraph display utilizing the 6 feedback LEDs

### Light Sensor

---

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

### Power Requirements

---

120 Volts AC, 50/60Hz line power

### 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 a box using standard decorator faceplate (not included)

### Dimensions

---

(Without faceplate)

**Height:** 4.13 in (10.48 cm)

**Width:** 1.79 in (4.55 cm)

**Depth:** 1.87 in (4.74 cm)

### Weight

---

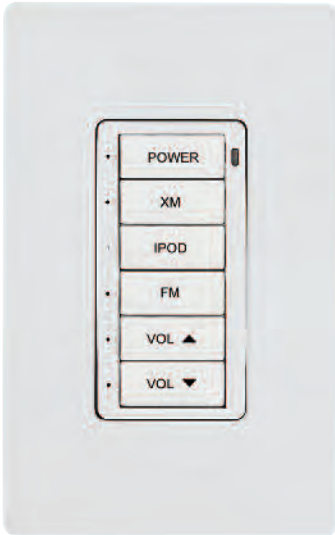
2.28 oz (0.065 kg)

### Available Accessories

---

**P-MNETGW:** Gateway/Transceiver

## P-CBD-AD-4 Prodigy™ 2-Way Wireless Audio Keypad



The Prodigy P-CBD-AD-4 is an elegant and robust in-wall keypad providing simple, direct control of audio source selection and volume. Mesh network technology of 802.15.4 affords reliable communications without the need to run additional wiring. Whether installed in retrofit or new construction, the P-CBD-AD-4 provides a low cost interface solution, bringing the benefits of whole house audio distribution to any budget.

The P-CBD-AD-4 is understated, elegant appearance provides direct control of audio from six pre-engraved, easy-to-read buttons. View selection indicators via unobtrusive, 6-segment white pinhole LEDs, instead of glaring red indicators that distract from room aesthetics.

Control one or many rooms from a single interface. With the bidirectional feedback of Prodigy remotes and touchpanels, control of any audio zone is a touch away. Combine the P-CBD-AD-4 with the PAMP-4X100, PT-AMFMXM and P-IDOCV to fill your entire home with the music and news you want, where you want it.

### Intelligent Control

**The buttons provide intuitive operation with easy access to source selection or volume adjustments.**

- ▶ Direct feedback to processor, remotes and touchpanels
- ▶ Control home theater, tuners and source switching
- ▶ Robust and reliable wireless connectivity using 802.15.4 mesh networking technology

### Quick Installation

**The Prodigy line of products is designed for easy setup.**

- ▶ Automatic addressing
- ▶ Mounts in standard 1-gang box
- ▶ Fits any standard decorator wall plate
- ▶ No additional wires need to be run; simply install in gang box and you're done

### Simple Interface

**Straightforward, 6-button operation.**

- ▶ Intuitive functions for device selection and volume control
- ▶ Status LED provides feedback on operation
- ▶ Selection of pre-engraved buttons

### A Control Solution for Every Budget

**Now the innovation, flexibility and reliability of Crestron automation are available in an economical package.**

- ▶ Control audio from keypad or other Prodigy interfaces
- ▶ Rugged and reliable operation
- ▶ Expand to more rooms as budget allows



## SPECIFICATIONS

### Wireless

---

**RF Transceiver:** 2-way RF, 2.4 GHz ISM channels 11-26 (2400 to 2483.6 MHz), IEEE 802.15.4 compliant

**Range (typical):** 150' indoor, 250' outdoor; Subject to site-specific conditions

**Gateway:** Requires a P-MNETGW gateway

### Connections

---

**HOT:** (1) Captive screw terminal, line power input

**NEUTRAL:** (1) Captive screw terminal

**GROUND:** (1) Captive screw terminal

### Buttons

---

**Keypad Buttons:** 6 single-action pushbuttons

**Button Events:** Programmable for Normal, Tap, Double-Tap, and Hold

**Button Caps:** includes a selection of pre-engraved buttons for power, volume up/down and source selection

### Backlight

---

White LED light pipe backlight; Software-adjustable intensity, auto-dimmable

### 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 LEDs

### Light Sensor

---

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

### Power Requirements

---

120 Volts AC, 50/60Hz line power

### 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 standard decorator faceplate (not included)

### Dimensions

---

(Without faceplate)

**Height:** 4.13 in (10.48 cm)

**Width:** 1.79 in (4.55 cm)

**Depth:** 1.87 in (4.74 cm)

### Weight

---

2.28 oz (0.065 kg)

### Available Accessories

---

**P-MNETGW:** Gateway/Transceiver

## P-IDOCV Prodigy™ Interface for Apple® iPod®



The Prodigy P-IDOCV is a convenient and cost effective way to add an Apple® iPod®, iPhone® or iPod touch® to your existing system. Combine with a remote or touchpanel for simple, intuitive access of your music and videos. Play music, watch videos and sync your iPod to your Apple iTunes® library. Connect the P-IDOCV to the PAMP-4X100 and distribute music throughout the home.

Using Prodigy Composer software, create a full function touchpanel interface. Search by song, artist, album or genre and view album art and playlists directly on the screen. Add another P-IDOCV and expand your listening environments, giving your family the ability to access music to suit any mood.

### Intelligent Control

**Prodigy Composer provides a complete user interface.**

- ▶ Artist, song and album information shows up right on screen of your remote or touchpanel
- ▶ Scrolling lists allow you to search in the same manner as you do on your iPod
- ▶ Access playlists

### Quality Audio + Video Outputs

**The P-IDOCV provides several outputs, allowing for quality audio and video output to a Prodigy distribution amplifier or third-party receiver.**

- ▶ Audio – analog stereo
- ▶ Video – output composite, component (YPbPr)

### A Control Solution for Every Budget

**Now the innovation, flexibility and reliability of Crestron automation are available in an economical package.**

- ▶ Supports up to two units
- ▶ Connect to your existing AV receiver or a Prodigy PAMP-4X100 distribution amp

## SPECIFICATIONS

### Device Support

**iPod:** For a complete list of supported products, refer to Crestron Online Help Answer ID 4837, or contact Crestron True Blue Support at [www.crestron.com/true\\_blue\\_support](http://www.crestron.com/true_blue_support)

Computer Crestron Sync software is compatible with Mac OS X v1.5, Windows XP, and Windows Vista

### Docking Station Connection

30-pin male connector on rear for connection of 6.5 ft (2 m) 30-pin M to 30-pin F cable (included), passes through to iPod mating connector in docking cradle

### Docking Station Environmental

**Temperature:** 41° to 113°F (5° to 45 °C)

**Humidity:** 10% to 90% RH (non-condensing)

### Docking Station Construction

High impact injection molded plastic with weighted metal bottom plate; accepts standard Apple dock adapters (not included)

### Docking Station Dimensions

**Height:** 1.68 in (4.26 cm)

**Width:** 3.96 in (10.05 cm)

**Depth:** 3.70 in (9.40 cm)

### Module Ethernet Connection

10BaseT/100BaseTX, static IP or DHCP, DNS, full duplex, auto-switching, auto-negotiating, auto-discovery, TCP/IP, CIP, IEEE 802.3u compliant

### Module Connectors Rear Panel

**Video Out:** COMP (1) RCA female; Composite video output; Output Level: 1 Vp-p nominal; Output Impedance: 75 ohms nominal

**Video Out:** Y Pb Pr (3) RCA female; Component (YPbPr) video output; Output Level: 1 Vp-p nominal (Y), 0.7 Vp-p nominal (PbPr); Output Impedance: 75 ohms nominal

**Audio Out:** L – R (2) RCA female; Unbalanced stereo line-level audio output

**Computer:** (1) USB Type B female; USB 2.0 port

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

**PWR:** (1) 2-pin 3.5mm detachable terminal block; 24 Volt DC power input-G (1) 6-32 screw, chassis ground lug

### Module Controls and LED Indicators

**SYNC:** (1) Yellow LED indicates when internal iPod is synced to iTunes

**PWR:** (1) Green LED indicates 24 Volts DC power supplied from network or external power supply

**DEVICE:** (1) Green LED indicates an iPod is installed and connected

**SETUP:** (rear) (1) Recessed miniature pushbutton and red LED for setting IP

### Module Power Requirements

**Power Usage:** 8 Watts (0.34 Amps @ 24 Volts DC)

**PW-2407W (included):** 100-240 Volts AC, 50/60 Hz

### Module Enclosure

**Chassis:** Aluminum, black matte powder coat finish

**Faceplate:** Extruded aluminum, black matte powder coat finish with polycarbonate label overlay

### Module Environmental

**Temperature:** 41° to 113°F (5° to 45 °C)

**Humidity:** 10% to 90% RH (non-condensing)

**Heat Dissipation:** 27 BTU/Hr

### Module Dimensions

**Height:** 2.04 in (5.17 cm)

**Width:** 8.00 in (20.32 cm)

**Depth:** 6.65 in (16.87 cm)

### Module Weight

4.30 lb (1.95 kg)

### Included Accessories

**PW-2407W:** Power Supply

**Stereo Audio Cable:** 6'

**Component Video Cable:** 6'

### Available Accessories

**Crestron Sync:** Crestron Sync Software for iServer Sync to iTunes

*For a complete list of supported products, refer to Crestron Online Help Answer ID 4837, or contact Crestron True Blue Support at [www.crestron.com/true\\_blue\\_support](http://www.crestron.com/true_blue_support).*

## PT-AMFMXM Prodigy™ AM, FM, XM Tuner



The Prodigy PT-AMFMXM provides high quality radio with full control from Prodigy remotes and touchpanels, Apple® iPhone® or iPod Touch®. The PT-AMFMXM includes one AM/FM and one XM radio tuner, which can be individually tuned and distributed to any room in the house. The PT-AMFMXM is completely integrated with the Prodigy system, allowing for direct control from any panel, remote or keypad.

On the touchpanel, users can call up presets (personalized station lists and music genres) as well as view station and song data with a single touch. Combine with the PAMP-4X100 multi-zone amplifier and fill any room with music, news, comedy, traffic, weather and more. Entertainment and information is available at the touch of a button.

### Versatile Radio

**The PT-AMFMXM delivers endless possibilities.**

- ▶ XM tuner provides access to over 150 channels of digital programming
- ▶ Tune radios individually
- ▶ Stereo audio for each output
- ▶ Digital SPDIF output with XM

### Intuitive Control

- ▶ Choose AM/FM or XM and send to any room of the house
- ▶ Station presets provide instant access to any entertainment format desired
- ▶ Full program guide and RDS information is accessible from front panel, remote, touchpanel and iPhone or Web interface

### Smart Design

- ▶ Quick and easy integration with Prodigy Composer – simple setup for access and customization
- ▶ Simple front panel control – select source, preset or station

### A Control Solution for Every Budget

**Quality whole home audio distribution and control is now available in an economical package.**

- ▶ Complete radio package in one box
- ▶ Feature-rich controls without an exclusive price
- ▶ Connect to the PAMP-4X100 for whole home audio distribution

## SPECIFICATIONS

### XM Tuner

---

**THD+N:** <0.01% @1kHz

**S/N Ratio:** >97dB balanced, >95dB unbalanced, 20Hz-22kHz A-weighted

**Crosstalk:** >-90dB 20Hz-22kHz;

### AM Tuner

---

**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

### FM Tuner

---

**Frequency Range:** 87.50 to 108 MHz (50 or 100 kHz steps)

**Usable Sensitivity:** 11dBf mono; 60dBf stereo

**S/N Ratio:** 64dB @ 65dBf mono; 56dB @ 65dBf stereo

**IF Rejection:** 100dB

**AM Rejection:** 55dB

**Stereo Separation:** 27dB

### Connections

---

**XM Antenna:** (1) F-Type coaxial antenna connector; Impedance: 50 ohms; Connects to indoor/outdoor high-gain antenna (included); Includes 20 foot cable

**FM Antenna:** (1) coaxial IEC 169-2

**AM Antenna:** (1) 2-pin Spring-loaded terminal

**Audio Out Digital:** (1) RCA female, SPDIF coaxial digital audio output (XM only)

**Audio Out L/R:** (2) RCA female, unbalanced stereo line-level audio output

**NET:** (1) 4-pin 3.5mm detachable terminal block; connects to Cresnet control network

**GROUND:** (1) 6-32 screw, chassis ground lug

### Display

---

Green LED 7-segment digits; Displays signal source, signal strength, and channel

### Button

---

**Menu:** (1) pushbutton, cycles through modes

**Up/Down:** (2) pushbuttons, adjust headphone volume, select channel, and select signal strength source (satellite or terrestrial repeater)

**Enter:**(1) pushbutton, selects mode

**AM:** (1) pushbutton, selects AM

**FM:** (1) pushbutton, selects FM

**XM:** (1) pushbutton, selects XM

**DISP:** (1) pushbutton, changes display to show additional information

**Reset:** (1) recessed miniature pushbutton

### Power Requirements

---

**Power Usage:** 5 Watts (0.21 Amp @ 24 Volts DC)

**PW-2407W (included):** 100-240 Volts AC, 50/60 Hz

### Enclosure

---

**Chassis:** Steel, black matte powder coat finish

**Faceplate:** Extruded aluminum, black matte powder coat finish with polycarbonate label overlay

### Environmental

---

**Temperature:** 32° to 122°F (0° to 50°C)

**Humidity:** 10% to 90% RH (non-condensing)

### Dimensions

---

**Height:** 2.04 in (5.17 cm)

**Width:** 8.00 in (20.32 cm)

**Depth:** 6.65 in (16.87 cm)

### Weight

---

4.30 lb (1.95 kg)

### Included Accessories

---

**PW-2407W:** Power Supply

## PAMP-4X100 Prodigy™ Multi-Zone Amplifier



The Prodigy PAMP-4X100 provides high quality stereo audio to multiple rooms or home theater with full control from Prodigy remotes and touchpanels or Apple® iPhone®. The PAMP-4X100 includes six stereo inputs with loop-thru to additional PAMPs (up to two) for whole home coverage.

With the Prodigy multi-zone amplifier, any audio input can be routed to any room in the house with a simple touch of a button. Connect one or two P-IDOCVs, an audio server, cable box or PT-AMFMXM tuner and deliver just the right music to any room. Adding rooms to the system is as simple as connecting an additional PAMP to the master source unit.

Room control and source selection is available from the front panel or by using Prodigy Composer software to create a full function touchpanel interface that allows control of room routing, volume, content browsing, lighting and security.

### Quality Sound Distribution

Each PAMP-4X100 provides four zones of full, room-filling audio.

- ▶ Treble, bass, balance and frequency boost
- ▶ Volume control and source selection for each room
- ▶ Send any of the six input sources to any of the output zones
- ▶ Connect up to 2 additional PAMPs for 12 zones of audio distribution

### Flexible Setup + Control

- ▶ Four zones of stereo audio at 50 watts per channel
- ▶ Bridge outputs to feed higher power speakers
- ▶ Supports 4 ohm and 8 ohm loads
- ▶ Current overdraw and temperature protection
- ▶ View volume, room source, status and amplifier temp directly from remotes or touchpanels
- ▶ Crestron Toolbox™ support of setup and diagnostics

### Smart Design

- ▶ Simple front panel control – select source, room and volume
- ▶ Pre-printed, pre-cut room labels make front panel room identification a snap

### A Control Solution for Every Budget

Quality whole home audio distribution and control in an economical package.

- ▶ Start with four zones and add on as needs and budget allow
- ▶ Feature-rich controls without an exclusive price
- ▶ Network ports provide communication with PMC2, P-MNETGWs and PT-AMFMXM units

## SPECIFICATIONS

### Power Requirements

---

**Main Power:** 120 Volts AC, 50-60Hz

### Audio

---

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

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

**Mute:** -100dB (electronic), -120dB (relay)

**Input Compensation:** ±10dB

**Bass Gain Range:** ±12dB @ 100Hz, 2 dB steps

**Treble Gain Range:** ±12dB @ 10kHz, 2 dB steps

**Frequency Response:** 20Hz to 20kHz ±0.75dB

**S/N Ratio:** 98dB, 20Hz to 20kHz A-weighted

**THD+N:** 0.05%, 20Hz to 20kHz

**Stereo Separation:** >75dB

### Connections

---

**Sources:** 1-6 (24) RCA female providing (6) unbalanced stereo line-level audio inputs with parallel loop-thrus; connect to outputs of source devices, with loop-thru to additional PAMPs

**NET:** 1-4 (6) 4-pin 3.5mm detachable terminal blocks; network ports, provide data and power to Prodigy keypads

**NET Loop-Thru:** (2) 4-pin 3.5mm detachable terminal block

**Computer:** (1) USB Type B female; USB 1.1 computer console port

**Rooms 1-4:** (4) 4-pin 5mm detachable terminal blocks, power amplifier outputs; wire size: 12 AWG maximum; output 50W per channel; 4 or 8 ohm impedance, outputs 1+2 and 3+4 bridgeable

**Fuse:** 3A SLO-BLO 250v

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

### Button and LED Indicator

---

**Standby:** Pushbutton with green LED places audio in standby

**Mute:** Pushbutton with red LED mutes audio in selected room

**Source:** (6) Pushbuttons with green LEDs selects source to route

**Room:** (4) Pushbuttons with green LEDs and labeling strip selects room destination of source

**Volume:** 2-position up/down pushbutton adjusts volume of selected room

### Environmental

---

**Temperature:** 41° to 122°F (5° to 50°C)

**Humidity:** 10% to 90% RH (non-condensing)

### Dimensions

---

**Height:** 3.56 in (9.04 cm); 3.47 (8.81 cm) without feet

**Width:** 17.03 in (43.26 cm)

**Depth:** 8.67 in (22.02 cm)

### Weight

---

20.0 lbs (9.0 kg)

## P-TSTATRF Prodigy™ Wireless Thermostat



The P-TSTATRF is a wireless thermostat that makes it easy to add networked climate control to any home. Mesh network technology of 802.15.4 affords reliable communications and temperature control without the need for additional wiring. Whether installed in retrofit or new construction, the P-TSTATRF provides a climate control solution and the benefits of intelligent control for any budget.

Control one room directly or multiple rooms through the PMC2. True 2-way feedback via touchpanel or handheld remote puts whole house control just a button push away. Features of the P-TSTATRF include separate heating and cooling setpoints. Variable anticipators prevent temperature overshoot for efficient control of baseboard, forced air, heat pump\*, and dual-fuel heat pump\* HVAC systems. Use stand-alone or as part of the Prodigy network.

### Intelligent Control

#### Control your whole home climate.

- ▶ Direct 2-way feedback to processor from the remotes, touchpanels, Apple® iPhone® or iPod touch®
- ▶ Control of setpoints from thermostat or control interfaces
- ▶ Robust and reliable wireless connectivity using 802.15.4 mesh networking technology
- ▶ Works stand-alone or with enhanced operation when connected to processor
- ▶ For baseboard, forced air, and heat pump\* HVAC systems

### Quick Installation

#### Wireless integration means less time wiring.

- ▶ Prodigy Composer does not require code
- ▶ Mounts in a horizontally oriented standard 1-gang box
- ▶ No need to run additional wires
- ▶ Dynamic addressing

### Control Solution for Every Budget

#### Now whole home climate control is available in an economical package.

- ▶ Add one or multiple units (up to three per system) as needs and budget allow
- ▶ Prodigy P-TSTATRF provides reliable comfort for you and your family

\* Heat pump systems require addition of an outdoor temperature sensor; contact your Crestron representative for additional design assistance.



## SPECIFICATIONS

### Wireless

**RF Transceiver:** 2-way RF, 2.4 GHz ISM Channels 11-26 (2400 to 2483.6 MHz), IEEE 802.15.4 compliant

**Range (typical):** 150' indoor, 250' outdoor; Subject to site-specific conditions

**RF Transmit Power:** 10mW

**Gateway:** Requires a P-MNETGW Gateway/Transceiver

### Connections

**HVAC:** (2) 4-position terminal blocks comprising the following:

**RH:** Reference Heat – Used for calls to heating system;

**RC:** Reference Cool – Used for calls to cooling system;

**G:** Fan – Energized to RC during call for fan;

**Y:** Compressor – Energized to RC when compressor is run;

**C:** 24V AC common terminal supplies remote power to thermostat;

**W:** Heat – Energized to RH during a call for heat in heat/cool systems or aux heat in heat pump systems;

**O:** Changeover control – Energized to RC during cooling modes;

**B:** Energized to RC during heating modes

### Buttons

**Mode:** Cycles through available System Modes: OFF, HEAT, AUX HEAT ONLY (for heatpump or dual-fuel systems only) and COOL

**Fan:** Toggles fan setting between FAN AUTO and FAN ON

**Raise:** Raises the setpoint

**Lower:** Lowers the setpoint

**Hold (combination):** Pressing MODE and FAN buttons simultaneously enters/exits HOLD mode

**Setup (combination):** Holding the FAN button, then pressing the RAISE and LOWER buttons simultaneously for 5 seconds enters SETUP mode; pressing mode button advances to next setup parameter/function; pressing RAISE or LOWER adjusts value of current setup parameter or executes current setup function, pressing FAN button exits SETUP mode

### Display

**Type:** Backlit LCD with (2) large 7-segment digits, (2) small 7-segment digits, (14) dedicated symbols; Displays ambient temperature, setpoint, system mode, fan setting, call activity, low battery, RF or control system communication errors, firmware download progress, setup parameter/function and value

### Measurement Range

**Ambient Temperature:** -10° to 110°F (-23° to 43°C)

**Display Limits:** -9° to 99°F (-9° to 43°C)

### Setpoint Range

**Heat Setpoint:** 38° to 89°F (3° to 32°C)

**Cool Setpoint:** 59° to 99°F (15° to 37°C), or 38° to 99°F (3° to 37°C) extended cool mode enabled

### Relay Rating

1 Amp @ 40 Volts DC or 24 Volts AC (nominal)

### Environmental

**Temperature:** -10° to 110°F (-23° to 43°C)

**Humidity:** 10% to 90% RH (non-condensing)

### Power Requirements

**24V:** 0.24 Watts (10 mA) @ 24 Volts AC, supplied by heating or cooling system

**Battery:** (2) AA batteries required, estimated 1 year normal operation

### Housing

Injection-molded plastic, surface-mountable to the front of a horizontally-oriented 1-gang electrical box

### Dimensions

**Height:** 4.50 in (11.43 cm)

**Width:** 5.53 in (14.05 cm)

**Depth:** 1.03 in (2.60 cm)

### Weight

6.7 oz (0.19 kg)

\* Heat pump systems require addition of an outdoor temperature sensor; contact your Crestron representative for additional design assistance.

## P-MNETGW Prodigy™ Wireless Home Automation Gateway



The Prodigy P-MNETGW is a 2-way gateway transceiver that provides communications for the complete line of Prodigy wireless devices with the PMC2 Prodigy Media Controller.

### Wireless Communication

The P-MNETGW utilizes mesh network technology of 802.15.4, affording reliable communications and control without the need for additional wiring. Whether installed in retrofit or new construction, the P-MNETGW provides a low cost wireless solution, bringing the benefits of automated control to any budget.

### Easy Setup

Setup of the P-MNETGW is simple, using dynamic discovery to acquire each RF device automatically.

- ▶ Dynamic discovery for fast, easy setup of wireless dimmers, switches, keypads and thermostats
- ▶ Wi-Fi friendly channel assignment
- ▶ Up to 150' range indoors

### Connector

**NET:** (1) 3.5mm detachable terminal block; Connects to control network

### Wireless

**RF Transceiver:** 2-way RF, 2.4 GHz ISM channels 11-26 (2400 to 2483.6 MHz); Default channel 11, IEEE 802.15.4 compliant

**RF Transmitting Power:** 10 mW

**Range (typical):** 150' indoor, 250' outdoor, subject to site-specific conditions

### LED Indicators

**PWR:** (Green) indicates DC power supplied from network

**NET:** (Amber) indicates communication with the system

**RXD:** (Red) indicates data is being received from wireless network devices

**TXD:** (Red) indicates data is being transmitted to wireless network devices

### Controls

**Acquire:** (1) Recessed pushbutton with red LED; Used to configure the wireless network

**Setup:** (1) Recessed pushbutton with red LED; Used for touch-settable ID (TSID)

### Power Requirements

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

### Enclosure

Black metal, freestanding or surface mount

### Environmental

**Temperature:** 32° to 104°F (0° to 40°C)

**Humidity:** 10% to 90% RH (non-condensing)

### Dimensions

(Without antenna)

**Height:** 1.24 in (3.15 cm)

**Width:** 2.47 in (6.28 cm)

**Depth:** 3.88 in (9.85 cm)

### Weight

8.3 oz (0.24 kg)

## P-RFEXP Prodigy™ Wireless Expander



The P-RFEXP is a 2-way RF expander designed to extend the range of PLX2s and PTX3s in a Prodigy network. Requiring only a standard AC power outlet, the P-RFEXP can be installed easily and discreetly, filling any “dead” space between two or more rooms.

The P-RFEXP utilizes mesh network technology of 802.15.4, affording reliable communications and control without the need to run additional wiring. Whether installed in retrofit or new construction, the P-RFEXP provides a low cost, multi-room solution, bringing the benefits of automated control to any budget.

### Easy Setup

**Setup of the P-RFEXP is simple, using dynamic discovery to acquire each RF device automatically.**

- ▶ Automatic discovery for fast, easy setup
- ▶ Wi-Fi friendly channel assignment

### A Control Solution for Every Budget

- ▶ Convenient wireless repeater
- ▶ Prodigy system integration via PMC2
- ▶ Connect directly to any standard U-ground outlet
- ▶ Extends range up to 150' range indoors

### Controls

**Acquire:** (1) Recessed pushbutton with red LED; Used to configure the wireless network

**Setup:** (1) Recessed pushbutton with red LED; Used for touch-settable ID (TSID)

### Wireless

**RF Transceiver:** 2-way RF, 2.4 GHz ISM channels 11-26 (2400 to 2483.6 MHz), IEEE 802.15.4 compliant

**RF Transmit Power:** 10mW

**Range (typical):** 150' indoor, 250' outdoor; subject to site-specific conditions; range is increased by adding additional P-RFEXP expanders

**Gateway:** Requires a PMC2 with built-in gateway

### Connections

**Line:** (1) grounded AC plug

### Power Requirements

120 Volts AC, 60Hz

### Environmental

**Humidity:** 32° to 104°F (0° to 40°C)

### Enclosure

White high-impact injection-molded plastic

### Dimensions

**Height:** 5.71 in (14.5 cm)

**Width:** 3.13 in (7.95 cm)

**Depth:** 1.74 in (4.42 cm)

prodigy™

# prodigy™ by Crestron

Crestron is the global standard in home automation. Installed in more homes worldwide than any other brand, Crestron brings years of experience and success to this latest line of home technology. Prodigy is a very simple and affordable entertainment and control solution, delivering the power, flexibility and reliability of Crestron to more people and more homes than ever before.



Now every house can be a





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Crestron has been setting the standard for technical innovation, quality and support for more than forty years. The unparalleled global infrastructure of Crestron spans every continent and serves 90 countries.



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## Award-Winning Technology



Crestron's spirit of innovation has resulted in the most award-winning products in the industry.



# prodigy™

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