

2012

Master Catalog

audio



video



control



xantech®
AUDIO • VIDEO • CONTROL

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Four decades of innovative solutions for audio, video and control

When Xantech started in 1969, the future of audio/video entertainment would depend on connecting different devices together and making them work seamlessly. So the company proceeded to invent that future, with the industry's first successful infra-red control products and accessories—and in the process helped accelerate television's evolution into the home theater revolution.

As revolutionary viewing technology began flooding into the home—first with cable boxes and VCR's, followed by disk players, satellite receivers, DVD players, and much more—Xantech responded by making all these diverse AV boxes play well together. And in the process, Xantech components became the backbone of audio/video control.

Today, Xantech is a leader in control, audio and video distribution technology—a position not achieved by creating top-down product lines but by inventing bottoms-up solutions. Xantech's strength is in product, engineering, and marketing talent all with one thing in common: front-line experience in audio/video and control system design and installation. Xantech's loyal customers are an integral part of the team, expressing their needs to make each installation a success.

So Xantech is able to respond with a variety of unique solutions designed to meet those needs—efficiently, effectively, reliably and economically. The end result is an impressive array of individual audio, video and control solutions, which collectively form one of the industry's most acclaimed—and specified—lines of products.

The proof? Ask any A/V installer to list the brands they couldn't do without in their everyday business. Even if that short list is in alphabetical order, chances are the name "Xantech" will be near or at the top. There is simply no substitute for a single brand that offers so many solutions in so many different areas.

In every facet of residential and commercial electronic entertainment technology—from Bluetooth technology to infra-red, from the world's first high-resolution iPod dock to a truly waterproof keypad—Xantech delivers the unique solutions that make custom installation easier and more cost-effective than ever thought possible.

IR Products



The next generation in Infra-Red technology

Why reinvent IR?

As the pioneer and innovator in this field, Xantech takes its leadership role very seriously. Both entertainment technology and living styles are evolving in ways that need IR control technology more than ever—and are placing greater demands on it than every before. IR is the common control “language” spoken and understood by nearly every consumer electronics audio/video component (and many other types). Because IR can ‘talk’ to the vast majority of new, not-so-new, and even vintage A/V components out there, it remains the first choice for cost-effective system control.

1. Homes are shrinking

—new homes are getting smaller, with less room inside for stacks of A/V components. Architects report that the dedicated media room is a thing of the past, meaning that the days of the single-purpose room are over and that if A/V systems are being spec'd-in they must be very low-profile. That means greater demand for more comprehensive and reliable remote-control repeating and extension systems.



2. Living spaces are changing

—at the same time, some areas inside the home are becoming more open. Greater demands for energy efficiency mean more windows and more sunlight—and more potential for solar interference. And more outdoor living means more exposure of A/V controls to sunlight. Combined kitchen/family/entertaining areas means there is a greater need for operating remote controls over longer distances.



3. Green living is here to stay

—many homes now have more compact fluorescent light fixtures and bulbs (CFL's) than incandescents, and some homes are entirely CFL. Changes in more efficient lighting technology means more potential invisible lighting interference in the home.



4. The flat-screen revolution is complete

—today, many consumers are on their second, third or even fourth flat-screen TV—many homes have one in each active room. Plasma and LCD technology is so common today, any installed control system has to be capable of working with either type. And with new display technologies such as LED coming in, that same control system has to be future-ready in order to remain installed.



5. The digital media revolution is just beginning

—nowadays most homes are likely to get their entertainment content in a variety of ways, including via satellite and over optical fiber networks. New generations of set-top boxes and other networked media terminals are more complex than their predecessors and have less tolerance for errors in command signals.



6. Other signal transmission technologies are inherently limited

—just look at the RF “spectrum crowding” going on that affects consumer electronics devices these days. And as the demands on this “shared resource” grow, the potential for interference, security and reliability issues grows with them. Just as service providers are migrating to optical transmission for homes, mission-critical venues ranging from electronic ICU's in medical centers to corporate, educational and even military conferencing facilities are turning to next-generation IR for critical control functions.

Hospital eICU systems such as one in Cincinnati, Ohio (top right) combine remote monitoring with bedside video conferencing for off-site physicians. Advanced language labs such as this one at the University of Limerick (bottom right) in Ireland see hundreds of students accessing multiple work-stations daily. Both depend on reliable, consistent and interference-free control. That's why they both use Xantech IR products.



Xantech technology is central to eICU operation



University of Limerick Language Resource Area



Xantech's new IR series

Based on years of market leadership in a category we created, Xantech is reinventing infra-red (IR) control for audio/video and other systems with the introduction of the new 95 and 85 series, and creating a new standard in performance and value with its 25 series.

A lot has changed in A/V technology since Xantech invented the Dinky Link, making it possible to easily add IR repeater control to flat-screen TV's when they first appeared over a decade ago. Noise rejection, freedom from interference, range and repeater signal accuracy are more critical now than ever before.

Through a comprehensive set of technical improvements, Xantech's new red (95 series) and green (85 series) lines of IR kits and products are now the single most cost-effective, reliable and complete system control technology for an A/V system today.

In recognition of Xantech's leadership role in the critical field of IR component design, the Dinky Link was inducted into CEDIA's Product Hall of Fame in 2010 — one of the industry's highest statements of recognition.



These new Xantech 95 and 85-series products...

1. Work under all indoor lighting conditions.
2. Work with any type of TV display
3. Have superior range and axial response (especially the 95/Red series)
4. Work with all cable, satellite and other set-top boxes

IR is a crucial control “backbone” in nearly every A/V system installation, and Xantech is committed to IR that works perfectly every time which demands such a no-compromise approach.

If it is an IR problem and Xantech can't solve it, nobody can.



Red/95 series

Universal premium level for high-end and custom installations requiring the ultimate in IR control. 95-series works with remotes up to 120 feet away*. Oversized IR receiving element provides superior off-axis response as well as greater depth-of-field and noise rejection capability. Compatible with all types of TV's including plasma, LCD and LED, and all satellite and cable TV boxes. Works with CFL lighting.



Green/85 series

Versatile IR solution that works with remotes up to 80 feet away*. 85-series is also compatible with all types of TV's (plasma, LCD and LED) as well as all satellite and cable TV boxes. Works with CFL lighting.

*Actual IR range also depends on remote control output and ambient lighting conditions



Technical superiority

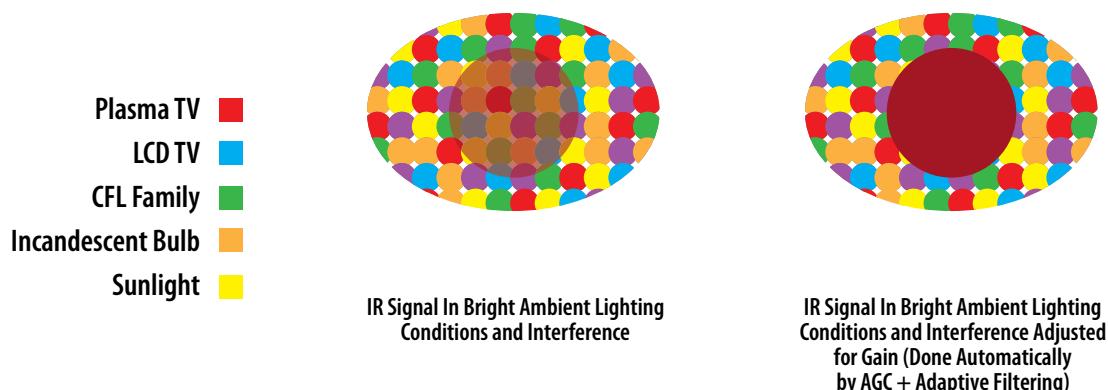
The new 95 and 85 series IR kits from Xantech feature five significant advances in IR control to achieve their remarkable sensitivity, performance and reliability in a wide variety of installation environments. In addition, all three Xantech IR series kits feature advanced circuitry which passes the native IR carrier and data signals faithfully and reliably to ensure proper control of all A/V components.

Xantech is the only manufacturer building an IR product line around this level of advanced circuit design.

1. Automatic Gain Control (AGC):

A Xantech IR receiver constantly studies the ambient light level in the environment, and automatically (and rapidly) re-calibrates its own sensitivity so it can more accurately select between the wanted remote IR signals and unwanted noise from sources such as TV's, interior lighting, and even the sun. The effect is similar to putting-on quality sunglasses to be able to see detail and contrast even in bright sunlight.

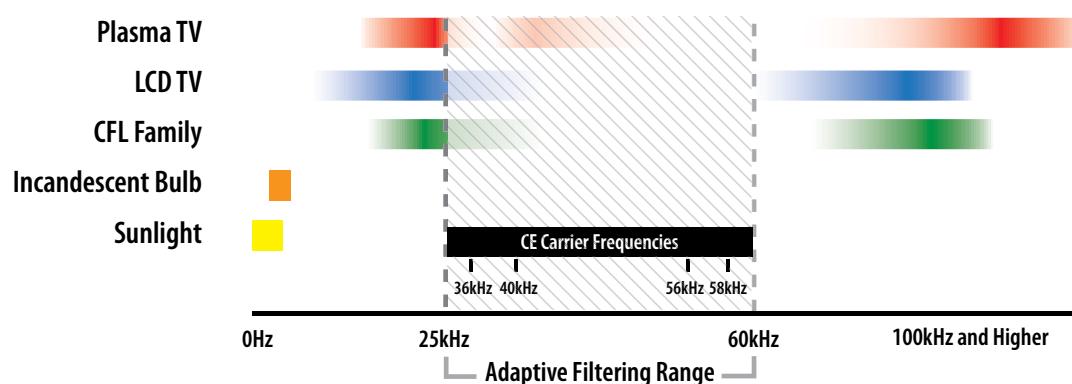
AUTOMATIC GAIN CONTROL



2. Adaptive Filtering circuitry:

Xantech has extensively analyzed the IR characteristics of the vast majority of consumer electronics product types, which shows that nearly all of them operate using a carrier frequency between the 25 kHz and 60 kHz range. Frequencies above 60 kHz consist mostly of random noise generated by CFL lighting as well as LCD and plasma displays. Through this exhaustive and on-going research, Xantech is able to build-in an intelligent, accurate, and effective filtering mechanism which enables a Xantech receiver to more selectively "look" at an IR source while rejecting those frequencies without any useful information.

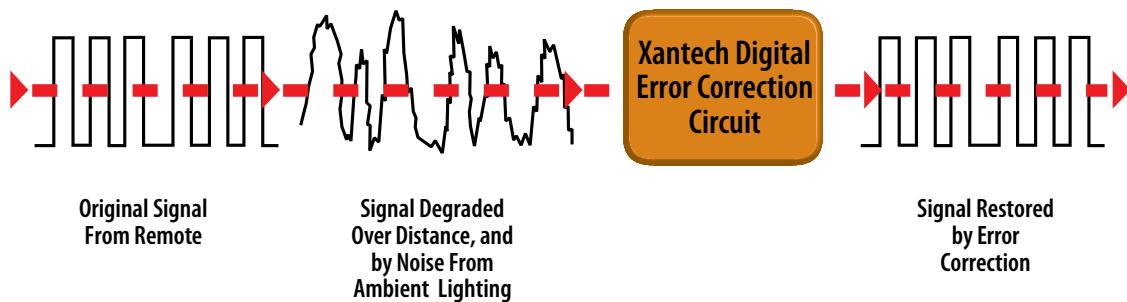
ADAPTIVE FILTERING



3. Error Correction circuitry:

Xantech IR receivers actively monitor and confirm an infrared signal's validity by comparing it to typical remote control signal patterns, using an advanced digital correction circuit. By doing this, unwelcome spurious or very high-frequency interference are ignored, while validated (but distorted) IR signals are quickly repaired and purged of undesirable noise.

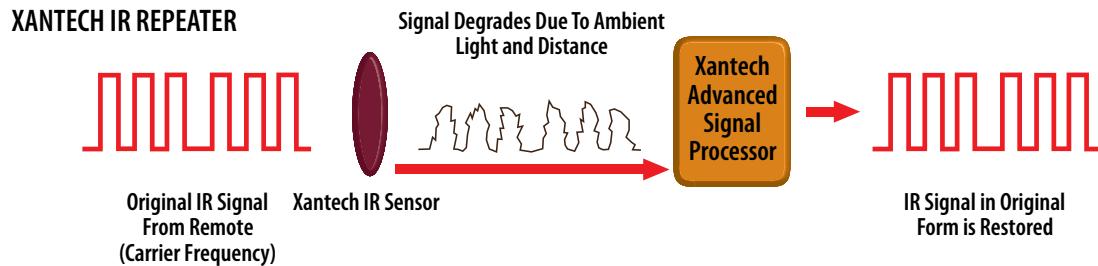
ERROR CORRECTION



4. Native Carrier Frequency Integrity:

Nearly every IR system relies on a carrier frequency to "carry" the commands from a remote control to a controlled system component. Some consumer electronic devices, especially newer digital cable and satellite TV boxes, are very picky regarding carrier frequency accuracy: they may not accept remote commands unless they can "see" precisely the right carrier frequency. The challenge is that both distance and ambient lighting can degrade the critical carrier frequency.

NATIVE CARRIER



Unfortunately, many digital IR repeater systems take a technical short-cut and simply strip away the carrier frequency upon reception— instead of intelligently identifying and removing the unwanted noise and interference from it— and then try to reconstruct the carrier frequency using a simple manual digital “mixer.” Analog IR repeater systems are no better—they simply boost the noise along with the signal. Both result in incomplete or incorrect IR signals which the set-top box often cannot make sense out of, and a lot of frustration and expense for a system designer when the cable or satellite TV system simply won’t work with its own remote control in an installed system.

Xantech takes no shortcuts here. We use a better-quality advanced digital signal processor circuitry to accurately preserve the original carrier frequency’s integrity. By doing so, a Xantech IR receiver always transmits the original IR signal in its correct form to the rest of the system. The result is a dead-on accurate signal transmission— minus all the noise and distortion.

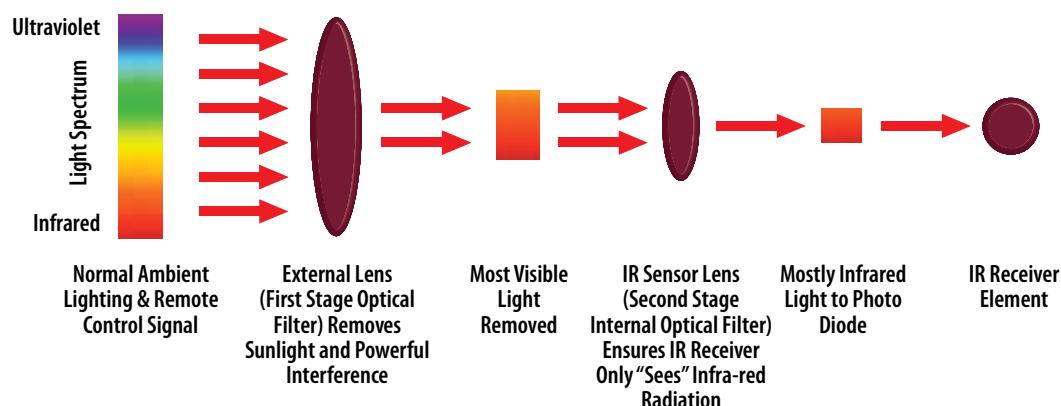
5. Better design and build quality:

Essential in getting the most out of Xantech’s technology advantages is an unusually high level of component quality and manufacturing precision not found in competitive IR products. Every link in the system chain, from power supply to IR emitters, is made from ultra-high quality electronic parts and materials and selected for performance, electronic and/or optical integrity, and long-term reliability.

Internally, Xantech receivers use an internal metal shield and precision circuit design to keep interference out. A dual-lens optical filter more effectively removes unwanted light artifacts before the signal even reaches the sophisticated and sensitive internal electronics. All Xantech IR products are designed and tested to meet all applicable FCC and CE standards for interference, and all of them are built using environmentally-responsible methods and materials and are RoHS compliant.

This attention to both component quality and advanced technology is ultimately what makes a superior IR product— and what makes it a “Xantech.”

DUAL LENS OPTICAL FILTER



**Inside the industry's
“single most
specified brand
in IR control”**

As a control chain, a Xantech IR system is designed, engineered and built with no weak links—from power supply to emitters.

IR receiver—core component in an IR repeater system, the receiver “sees” invisible infra-red signals from remote controls, converts them into electronic form, and sends them through the connecting block to the IR emitters. Since all IR performance depends on the receiver, 100% of Xantech IR receivers are tested on our assembly line using an actual remote control.

1. Housing—Xantech uses only high-impact, shatterproof, temperature-resistant ABS. HL series comes in three colors (black, white and silver) to match any system. DL series comes with color-change sleeves to match any TV frame.

2. Shielded receiver circuitry—Xantech’s innovative error correction, gain control, adaptive filtering and native carrier circuitry is all integrated onto one beautifully designed internal board for the most compact footprint possible, and protected from external interference by a metal shield.

3. Receiver element—the heart of the IR system is an electro-optical transducer more commonly known as the IR receiver element. There is nothing common about the Xantech receiver element—it has a built-in preamplifier to properly “condition” the IR signal and an additional shield for total isolation from interference. The state-of-the-art 95/Red series receiver has an oversized element for greater range (up to 120 feet), improved depth-of-field for better noise rejection, and a wider operational angle—ideal for large areas.

4. Dual lenses—Xantech doubles-up on its IR receiver lenses with an exterior one designed to filter powerful unwanted signals and a second lens wrapped around the sophisticated IR receiver element to create a most effective optical “backstop.”

Dinky Link™ Receiver (inset)

is a marvel of miniaturization—it packs Xantech’s most advanced IR control technology into a remarkably small, easily-concealed form-factor.

1. Housing

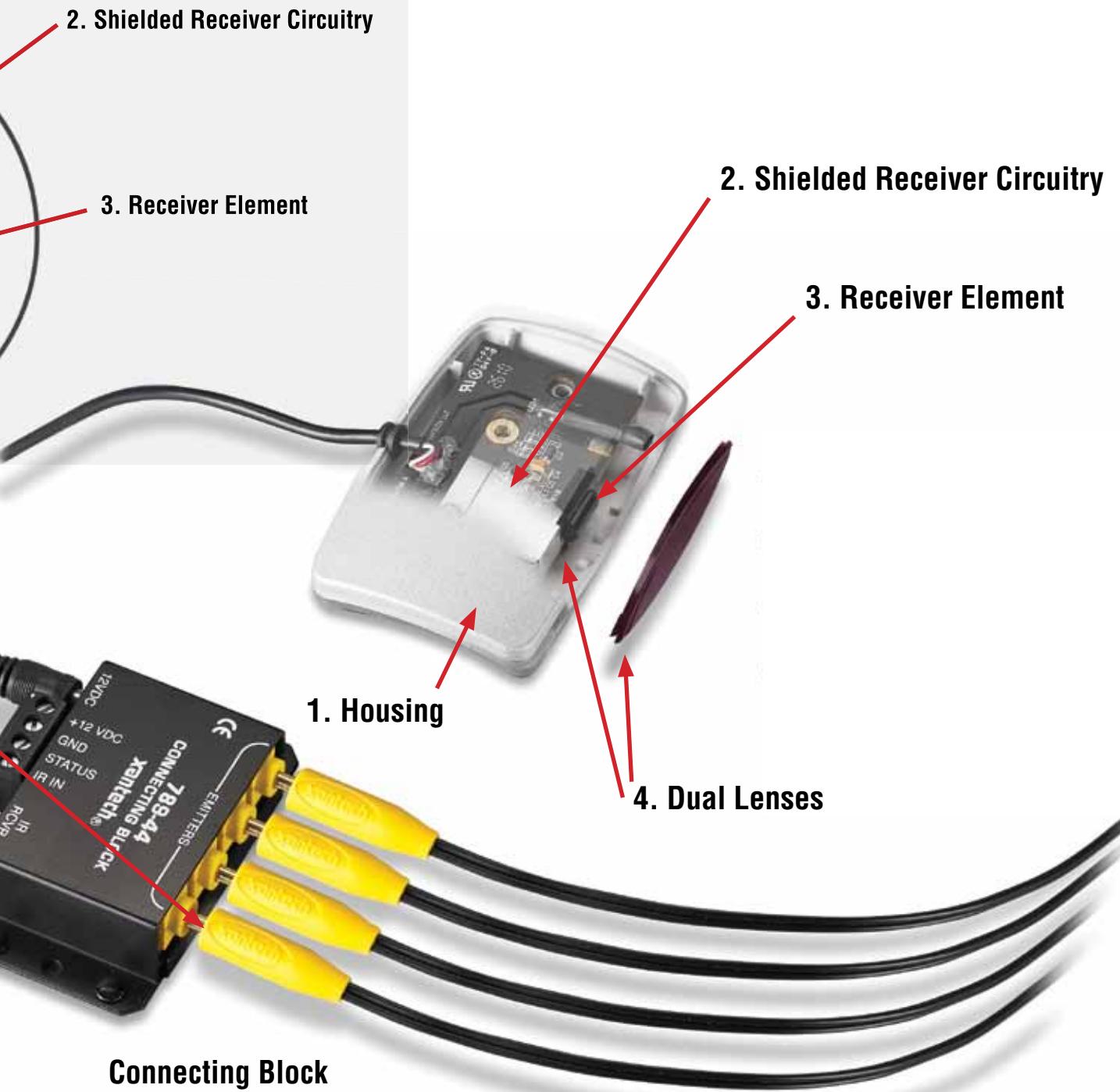
4. Dual Lenses

Plug & Cord Assemblies

—the molded ends of Xantech’s system connection cables are sealed to help prevent oxidation and contamination from the elements. Every critical surface is gold-plated to ensure long-term electrical integrity.

Power Supply—over three times more efficient than a compact fluorescent light-bulb, Xantech’s regulated digital power supply has on-board over-voltage protection and short-circuit protection for thorough system operational stability and security, and meets all applicable FCC requirements for interference. An exceptionally smart piece of electronics, the power supply switches to the correct voltage automatically.





Connecting Block

—central control for an IR system, the precision steel-encased block has two jobs: Routing IR commands from the receiver to the rest of the A/V system through the emitters, and distributing the power required to “drive” the receiver/emitter system. Removable terminal block makes custom installation easier and allows connecting multiple IR receivers for multi-zone systems.

IR Emitters

—these efficient, high-intensity light sources are reverse receivers small enough to stick onto the front of any A/V or other component to be controlled. They complete the control command chain by delivering the repeated IR signal to A/V components. Xantech offers two versions: invisible (no visible light confirmation), and a version that shows a brief visible light confirmation of the repeated commands from the IR receiver.





**To design the right
IR system for your
application, simply
use the Xantech
three-step checklist**

IR Products

Xantech only has one standard of quality for its IR repeater system: the best achievable through precision manufacturing and superior design. But because not every application has the same performance needs, we offer our IR superior IR technology at three levels of performance. One of them is perfect for your application.

1

Choose the right level of IR performance for your application.

What type of video display technology are you using in your A/V system?

95/Red series works with all types of TV's including plasma, LCD and LED

85/Green series works with all types of TV's including plasma, LCD and LED



How much performance do you need?

95/Red series best performance.

Has greatest depth-of-field for superior interference rejection and widest response with over-sized internal IR receiving element. Works in all lighting conditions including sunlight. Works with all set-top boxes

85/Green series better performance.

Works in all indoor lighting conditions.

Works with all set-top boxes



What kind of distance do you need?

95/Red series works with remotes up

to 120 feet away. Ideal for large rooms, large family/kitchen areas, conference rooms and classrooms, and anywhere superior performance and extended range are both needed.

85/Green series works with remotes up to

80 feet away. Ideal for living rooms, family rooms, master bedrooms, and anywhere the remote control will be in the same general area as the A/V system being controlled.



2

Choose the right style of IR receiver for your application.

The receiver is the “business end” of your IR repeater system—it receives and passes along all the commands sent by your remote control or multiple remote controls. Xantech offers state-of-the-art IR technology in four versatile styles and a variety of colors to match any custom installation.

HL/ Hidden Link™

Designer-style table top Perfect for placing on shelves near or even under A/V components, or elsewhere in an entertainment center.
Also available in black, white or silver to match A/V systems.

HL/Hidden-Link for equipment rack



DL/ Dinky Link™ surface mount

The latest generation of the industry's best-selling design for easy, unobtrusive mounting on any TV set frame or other component. Now the award winning DL-series receivers come with color-change sleeves to match black, white or silver components — ensuring a very hidden installation.



DL/DinkyLink surface-mount for TV frame. Includes white and silver color sleeves.

ML/ Micro Link™ bullet or peephole

Intended for in-wall or in-ceiling installations, and in speakers with a suitable IR knockout feature. ML style comes with brass, white and black bezels for easy concealment.

ML/MicroLink peephole style for in-wall or ceiling installation



WL Wall link/Decora® style (J-box)

Use in low-voltage mounting bracket or J-Box installations next to keypads, volume controls, etc., when a two-gang on-wall installation is desired.

Decora is a registered trademark of the Leviton Manufacturing Company



3

Choose the right product configuration.

Xantech makes this the easiest audio/video system design choice you'll make. You can select from one of the nine Red, Green and Blue series kits shown in the next section. Or you can custom-design your own IR system with our extensive array of receivers, connecting blocks, emitters and power supply components. Either way, your A/V system is in the best hands possible with Xantech—the company that invented the idea of IR remote control repeater systems for audio/video applications.

95/Red and 85/Green kits

Nine pre-packaged IR kits have everything you need for a quick and easy installation. Everything is "plug and play:" receiver, connecting block, emitters and power supply. With ML and HL styles no tools are even needed—just plug-in the components, stick-on the emitters over the components to be controlled, and you're ready-to-go. Each kit comes with a four-component block and four IR emitters to control up to four A/V components—enough for a typical system comprised of an A/V receiver, set-top box, disk player and VCR.



Separate IR components

If you need more capacity than four components, have more advanced system control requirements, or just want greater flexibility, Xantech has you covered. Our IR solutions include connecting blocks that can handle up to 10 sources and 9 zones, serial IR control, IR-over-coaxial cabling products, IR interface modules for a variety of A/V equipment, and even addressable IR routers for connecting keypads, controllers and other devices. And of course all of Xantech's latest-generation Red, Green and Blue-series receivers are available separately so you can build the best system for your needs around the best IR technology in the industry. Whatever your IR challenge, you'll find the right solution in the following pages.



Xantech IR series comparison table



PERFORMANCE	95/RED SERIES	85/GREEN SERIES
Plasma TVs	●	●
LCD & LED TVs	●	●
CRT & DLP TVs	●	●
120-foot distance from remote to receiver	●	
80-foot distance from remote to receiver		●
Direct sunlight operation	●	
CFL lighting operation	●	●
Compatible with all cable boxes	●	●
TECHNOLOGY		
Oversized Internal IR Receiving Element	●	
Error Correction Circuitry	●	●
Automatic Gain Control/AGC	●	●
Adaptive Filtering	●	●
Native Carrier Frequency Integrity	●	●
Dual-Lens Optical Filter	●	●

95/RED SERIES KITS

Universal premium kits for high-end and custom installations requiring the ultimate in IR control. 95-series works with remotes up to 120 feet away*. Oversized IR receiving element provides superior off-axis response as well as greater depth-of-field and noise rejection capability. Compatible with all types of TV's including plasma, LCD and LED, and all satellite and cable TV boxes. Works with CFL lighting.

DINKY LINK/DL SURFACE MOUNT IR RECEIVER KIT

Prepackaged kit includes:

- (1) DL95 Dinky Link
- (1) 789-44 Connecting Block
- (1) 781ERGPS Power Supply
- (4) 283D Visible Designer Emitters
- (1) Set silver and white color sleeves
(receiver comes in black)

Order DL95K
INTERNATIONAL: Order DL95KE



HIDDEN LINK/HL SHELF-TOP IR RECEIVER KIT

Prepackaged kit includes:

- (1) HL95 Hidden Link
- (1) 789-44 Connecting Block
- (1) 781ERGPS Power Supply
- (4) 283D Visible Designer Emitters

Order Black: HL95BK
Order White: HL95WK
Order Silver: HL95SK
INTERNATIONAL: Order Black: HL95BKE
Order White: HL95WKE
Order Silver: HL95SKE



MICRO LINK/ML IR RECEIVER KIT

Prepackaged kit includes:

- (1) ML95 Micro Link
- (1) 789-44 Connecting Block
- (1) 781ERGPS Power Supply
- (4) 283D Visible Designer Emitters

Order: ML95K
INTERNATIONAL: Order ML95KE



*Actual IR range also depends on remote control output and ambient lighting conditions

85/GREEN SERIES KITS

Versatile IR kits that work with remotes up to 80 feet away*. 85-series is also compatible with all types of TV's (plasma, LCD and LED) as well as all satellite and cable TV boxes. Works with CFL lighting.

DINKY LINK/DL SURFACE MOUNT IR RECEIVER KIT

Prepackaged kit includes:

- (1) DL85 Dinky Link
- (1) 789-44 Connecting Block
- (1) 781ERGPS Power Supply
- (4) 283D Visible Designer Emitters
- (1) Set Silver and White Color Sleeves
(Receiver Comes in Black)



Order: DL85K

INTERNATIONAL: Order: DL85KE

HIDDEN LINK/HL SHELF-TOP IR RECEIVER KIT

Prepackaged kit includes:

- (1) HL85 Hidden Link
- (1) 789-44 Connecting Block
- (1) 781ERGPS Power Supply
- (4) 283D Visible Designer Emitters

Order Black: HL85BK

Order White: HL85WK

Order Silver: HL85SK

INTERNATIONAL: Order Black: HL85BKE

Order White: HL85WKE

Order Silver: HL85SKE



MICRO LINK/ML IR RECEIVER KIT

Prepackaged kit includes:

- (1) ML85 Micro Link
- (1) 789-44 Connecting Block
- (1) 781ERGPS Power Supply
- (4) 283D Visible Designer Emitters

Order: ML85K

INTERNATIONAL: Order: ML85KE



Includes Brass, Black and White Bezels.

IR Receivers

Individual IR Receivers can be added to IR Receiver Kits, IRDY Kits or any Xantech IR Connecting Block.

95/RED SERIES UNIVERSAL IR RECEIVERS

Universal premium receivers for high-end and custom installations requiring the ultimate in IR control. 95-series works with remotes up to 120 feet away*. Oversized IR receiving element provides superior off-axis response as well as greater depth-of-field and noise rejection capability. Compatible with all types of TV's including plasma, LCD and LED, and all satellite and cable TV boxes. Works with CFL lighting.

DINKY LINK/DL SURFACE MOUNT IR RECEIVER

- Attaches discretely to front of TV
- Extremely small package, 7/16" x 5/16" x 2 1/2" (11mm x 8mm x 64mm)
- Talkback LED for system tests
- IR bandwidth: 20 to 60 kHz
- Nominal reception range: > 120 feet
- US Patent Approved
- Includes silver and white color change kit (receiver comes in black)

Order: DL95



HIDDEN LINK/HL SHELF-TOP IR RECEIVER

- Place on shelf-top or cabinet near TV
- Compact package: 3 1/4" x 1" x 2" (83mm x 26mm x 51mm)
- Talkback LED for system tests
- Nominal reception range: > 120 feet

Order Black: HL95B

Order White: HL95W

Order Silver: HL95S



95/RED SERIES UNIVERSAL IR RECEIVERS

MICRO LINK/ML IR RECEIVER

- Peephole-Style installs in cabinet doors or walls
- Talkback LED for system tests
- IR bandwidth: 20 - 60 kHz
- Nominal reception range: > 120-feet
- US Patent Approved
- Includes Brass, White and Black bezels

Order: ML95



DECORA®STYLE/WL J-BOX IR RECEIVER

- Fits standard Decora J-box (Decorator trim plate not included)
- Talkback LED for system tests
- IR bandwidth: 20 to 60 kHz
- Nominal reception range: > 120 feet
- US Patent Approved
- Special application receiver

Order: WL95

Decora is a registered trademark of the Leviton Manufacturing Company



DINKY LINK MANUAL ADJUST IR RECEIVER

- US Patent Approved
- Specialized receiver has manual adjustment for sensitivity

Ideal for "fine-tuning" in high interference locations (such as outdoors).

Wider extended bandwidth is more compatible with "problem" and non-standard A/V components

- IR bandwidth: 30 - 100 kHz
 - Nominal reception range: > 50 feet
- Manual sensitivity adjustment
Works optimally with plasma displays
Attaches discretely to the front of TV
- Extremely small package, 7/16" x 5/16" x 2 1/2" (11mm x 8mm x 64mm)
 - Talkback LED for system tests kit (receiver comes in black)
- Includes silver and white color change

Order: DL95M



*Actual IR range also depends on remote control output and ambient lighting conditions

85/GREEN SERIES VERSATILE IR RECEIVERS

Versatile IR receivers that work with remotes up to 80 feet away*. 85-series is also compatible with all types of TV's (plasma, LCD and LED) as well as all satellite and cable TV boxes. Works with CFL lighting.

DINKY LINK/DL SURFACE MOUNT IR RECEIVER

- Attaches discretely to front of TV
- IR bandwidth: 20 - 60 kHz
- Nominal reception range: > 80 feet
- Extremely small package, 7/16" x 5/16" x 2 1/2" (11mm x 8mm x 64mm)

Includes silver and white color change kit (receiver comes in black)

Order DL85



HIDDEN LINK/HL SHELF-TOP IR RECEIVER

- Place on shelf-top or cabinet near TV
- IR bandwidth: 20 - 60 kHz
- Nominal reception range: > 80 feet
- Compact package, 3 1/4" x 1" x 2" (83mm x 26mm x 51mm)

Order Black: HL85B

Order White: HL85W

Order Silver: HL85S



MICRO LINK/ML IR RECEIVER

- Peephole-Style installs in cabinet doors or walls
- IR bandwidth 20 - 60 kHz
- Nominal reception range: > 80 feet
- 1/2" (13mm) diameter, 2" (52mm) deep
- Talkback LED for system tests
- Includes 3 color bezels

Order: ML85



DECORA® STYLE/WL J-BOX IR RECEIVER

- Fits standard J-box (Decorator trim plate not included)
- IR bandwidth: 20 - 60 kHz
- Nominal reception range: > 80 feet
- Talkback LED for system tests
- Special application receiver

Order: WL85

Decora is a registered trademark of the Leviton Manufacturing Company



IR OVER COAX PRODUCTS

172 XTRA LINK2™ IR OVER COAX RECEIVER KIT

Double the value of your source components by controlling them from another room with the Xtra Link 2 system. Get more out of your legacy coaxial cabling by re-purposing it for control system use.

The Xtra Link 2 system provides full IR remote control operation of most IR controlled devices from a second room using the same coaxial cable that carries the TV RF signal from the source equipment located in the main room to the second room. Easily hooks-up in minutes without tools. All necessary parts are included.

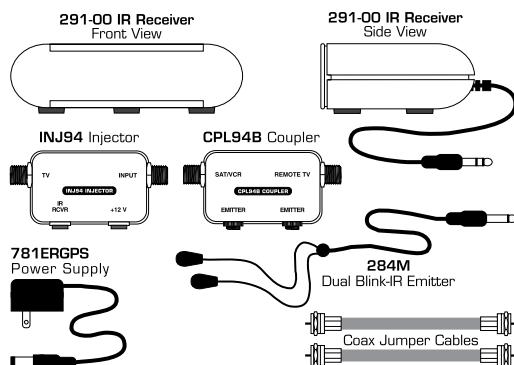
IR OVER COAX DLP/CRT SHELF-TOP IR RECEIVER KIT

Standard Broadband IR Receiver Kit over COAX

The complete 172 Xtra Link2 package includes the following:

- (1) 291 Infrared Receiver
- (1) 286D Dual Visible Designer emitter
- (1) INJ94 Injector
- (1) 781ERGPS 12V Power Supply
- (1) CPL94B Coupler
- (2) Coax jumper cables with RF connectors

Order: 17294RP



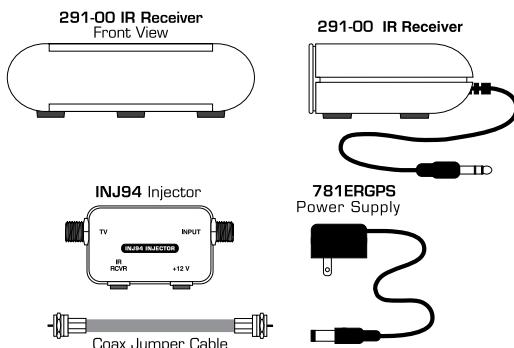
IR OVER COAX Xpansion Kit

- 172-94X kits are used along with one standard 172-94 when installing Xtra Links in more than one room.

This avoids duplication of couplers, emitters and coax jumper cables

- Xtra Link2 Xpansion Kit Includes:
- (1) 291 Infrared Receiver
- (1) INJ94 Injector
- (1) 781ERGPS Power Supply
- (1) Coax jumper cable with RF connectors

Order: 17294XRP



IR RF BYPASS KIT

The BYPASS kit is an advanced accessory to the Xtra Link 2 system. All necessary parts are included for advanced installations where the IR control signals need to be routed around RF amplifiers and non-DC passing splitters.

- Kit contains two CPL10's, one jumper cable with a 3.5mm mini mono plug on each end and two short RG-59 cables with "F" connectors on each end

Order: BYPASS94

INJ94RF/IR INJECTOR

The INJ94 is an expansion accessory to the Xtra Link 2 system. This additional component can be used for expanding installations where IR control signals need to be injected from additional areas along the coaxial cable. Requires a 781ERGPS power supply and any Xantech IR receiver (w/ 3.5mm stereo mini plug).

Order: INJ94

IRDY IR READY KIT

Add any Xantech IR Receiver for a complete IR system.

New Xantech IRDY KITS contain the building blocks for a basic IR system. Select an IRDY KIT for either four or ten source components, and then match it with the right Xantech IR receiver for the job.

Kit Includes :

- (4) 283D Visible Designer Emitters
- (1) 781ERGPS 12V Power Supply
- (1) 789-44 Connecting Block

Order: IRDY4KITRP



IR READY TEN SOURCE KIT

Kit Includes

- (10) 283D Visible Designer Emitters
- (1) 781ERGPS 12V Power Supply
- (1) 791-44 Amplified Connecting Block

Order: IRDY10KITRP



CPL10 IR/RF Coupler

- Used to extract or inject IR control signals when used in conjunction with a TV coaxial RF cable.
- Has two "F" type coaxial jacks and one IR out (or in) 3.5mm mono mini jack.

Order: CPL10

CPL94B RF/IR COUPLER

- Used to extract the IR control signals when used in conjunction with a TV coaxial RF cable.
- Has two "F" type coaxial jacks for RF connections. Two 3.5mm mono mini emitter jacks with 470-Ohm resistors drive 2 single or 2 dual emitters.

Order: CPL94B

CONNECTING BLOCKS

Individual connecting blocks require IR Receiver, IR Emitters & Power supply and are also compatible with SmartPad3 Keypads

ONE ZONE FOUR SOURCE CONNECTING BLOCK

- Connects four emitter ports and power supply to all Xantech infrared receivers and keypads
- Four parallel emitter ports with 470-Ohm resistors drive four single or four dual emitters
- Quick-connect stereo mini jack for IR Receivers that use a stereo mini plug
- STATUS terminal for connection of IR Receivers and Keypads that have status LED's
- 2.1 mm coaxial power jack
- Requires either the 781ERGPS or 782ERGPS power supply
- Dimensions: 3" x 1 3/4" x 13/16" (77mm x 45mm x 21mm)
- Power LED

Order: 78944



ONE ZONE FOUR SOURCE CONNECTING BLOCK Five Pack

Save money on value pack (5%), and save time too

Includes five 789-44 connecting blocks

Order: 78944CB5P

ONE ZONE FOUR SOURCE CONNECTING BLOCK

Including Power supply

- 789-44 with included 781ERGPS Power Supply

Order: 78944PSRP



ONE ZONE FOUR SOURCE IN-WALL DECORATOR CONNECTING BLOCK

- Similar to the standard 789-44 but used in a single gang J-box configuration
- Can be used at either end of an infrared bus system
- Four parallel emitter ports on external connecting plate
- Quick connect stereo mini jack on external connecting plate for Xantech IR receivers that are equipped with the stereo mini plug
- 2.1mm coaxial power jack on external connecting plate
- Four-terminal plug in connector on the back of the plate for Power and IR Signal
- Available in white and ivory
- Dimensions: 2 15/16" x 1 3/4" x 13/16" (75mm x 45mm x 21mm)
- Requires 781ERGPS Power Supply

Order White: 78944DW

Order Ivory: 78944DI



CONNECTING BLOCKS

ONE ZONE TEN SOURCE AMPLIFIED CONNECTING BLOCK

- Emitter port jumpers permit high or low power IR output
- High-speed opto-isolator for improved operation
- Parallel emitter ports drive 10 single or 10 dual emitters
- Contains red LED input signal Test-IR
- Requires either the 781ERGPS or 782ERGPS Power Supply
- Dimensions: 6" x 2 1/4" x 15/16" (153mm x 58mm x 24mm)
- Up to nine 790-00's can be connected to the 791-44 for control of up to 100 devices in a single zone
- STATUS terminal for connection of Xantech IR Receivers and Keypads that have status indicator LED's
- Quick connect stereo mini jack for Xantech IR Receivers that use a stereo mini plug

Order: 79144



MULTIPLE Emitter CONNECTING BLOCK

- Emitter expansion block for the 791-44 or 792-10
- Parallel emitter ports drive 10 single or 10 dual emitters
- Contains a series 100-Ohm resistor per emitter port
- Emitter and IN/OUT ports are 3.5 mm mono mini-jacks
- Screw terminals provide for wired input connections
- Requires the 792-10 Power Module or the 791-44 Amplified Connecting Block to drive the 790 block
- Dimensions: 6" x 2 1/4" x 15/16" (153mm x 58mm x 24mm)

Order: 79000

FOUR ZONE TEN SOURCE AMPLIFIED CONNECTING BLOCK

- Controls four individual zone's equipment
- Can control two pieces of equipment per zone
- Controls 10 pieces of equipment used for common sources
- Expandable to nine zones with the model 796-20 Zone Expander
- 14 test LED's indicate proper operation and hook-up
- Isolated input for each zone
- Dimensions: 1" x 13 1/8" x 1 7/8" (26mm x 340mm x 48mm)
- Requires 782ERGPS Power Supply

Order: 79520



SIX ZONE CONNECTING BLOCK/EXPANDER

- Expands the 795 Zone Controller to a total of nine zones
- Connects directly to the 795 and is powered via the 795
- Can be used in conjunction with a 791-44 (without a 795) for a 6 zone system
- Multiple 796's may be used with a 791-44 for even more zones (limited only by IR noise considerations)
- Dimensions: 1" x 13 1/8" x 1 7/8" (26mm x 340mm x 48mm)

Order: 79620



CONNECTING BLOCKS

ONE ZONE TWO SOURCE CONNECTING BLOCK

- Connects two emitter ports and power supply to Xantech IR Receivers that use a stereo mini plug
- 3.5 mm stereo mini jack for quick-connect IR receivers
- Two 3.5 mm mono mini jacks with 470-Ohm resistors drive two single or two dual emitters
- 2.1 mm coaxial power jack
- Requires either the 781ERGPS or 782ERGPS Power Supply
- Dimensions: 2 1/8" x 1 1/4" x 3/4" (54mm x 32mm x 19mm)



Order: CB20

ONE ZONE SIX SOURCE QUICK CONNECT CONNECTING BLOCK

- Connects six emitter ports and power supply to all Xantech IR Receivers that use a stereo mini plug
- 3.5 mm stereo mini jack for quick-connect IR Receivers
- 3.5 mm mono mini emitter ports drive six single or six dual emitters in parallel
- Contains a series 100-Ohm resistor per emitter port
- Requires either the 781ERGPS or 782ERGPS Power Supply



Order: CB60

ONE ZONE ONE SOURCE CONNECTING BLOCK

- Connects one emitter port and power supply to Xantech IR Receivers that use a stereo mini plug
- Also includes a three-terminal block for wired connection of Xantech IR Receivers and Smart Pads
- 3.5 mm stereo mini jack for quick-connect IR receivers
- 3.5 mm mono mini jack for one single or one dual emitter
- 2.1 mm coaxial power jack
- Requires either the 781ERGPS or 782ERGPS Power Supply
- Dimensions: 2 1/8" x 1 1/4" x 3/4" (54mm x 32mm x 19mm)



Order: CB12

CONNECTING BLOCKS

TWO ZONE CONNECTING BLOCK

- Simplified version of the 795 controller when only two zones are required
- One plug-in screw connector for each zone's IR receiver and/or keypads
- 3.5mm mono mini jack for zone and common IR emitters
- Can be used with a 791-44 amplified connecting block for common emitter expansion
- Requires either the 781ERGPS or 782ERGPS Power Supply
- Only to be used with single or dual emitters on the zone outputs
- Dimensions: 3" x 1 3/4" x 13/16" (77mm x 45mm x 21mm)



Order: ZC21

"THE STRIP-IR" PARALLEL CONNECTING BLOCK

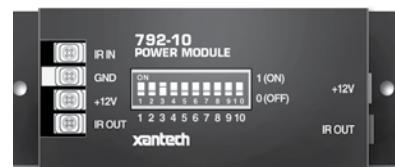
- Easily connects home run wires from multiple IR Receivers to the input
- High current design (12 Amps peak) allows amplifiers rated as high as 500 Watts to be used with the CB18
- One-in/eight-out or eight-in one-out capability
- Nine four-terminal plug-in connectors on 4-conductor bus
- Screw terminals handle wire sizes from 24 to 12 gauge
- Dimensions: 111/4" x 1 1/4" x 1 1/4" (286mm x 32mm x 32mm)



Order: CB18

PHANTOM POWER MODULE FOR IR RECEIVERS

- Provides phantom power for standard Xantech IR receivers.
- High current mode drives 790 connecting block
- 3.5 mm mono mini jack emitter port.
- Requires the 781ERGPS Power Supply
- Dimensions: 41/4" x 1 5/8" x 1" (108mm x 42mm x 26mm)



Order: 79210

SERIAL CONTROL COMBINER

- Combines IR serial data from up to five A/V receivers to common source equipment
- Isolating diode system prevents serial control interference between receivers
- DIP switch sets polarity for either positive or negative serial logic systems
- Can be "daisy chained" to accommodate any number of A/V receivers in multi-zone systems
- Requires same brand components
- Used in multi-zone systems
- Dimensions: 6" x 2 1/4" x 1" (153mm x 58mm x 26mm)

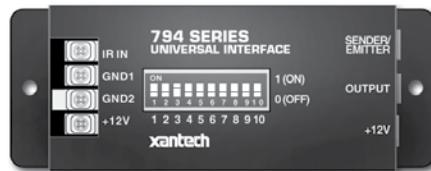


Order: 79310

CONNECTING BLOCKS

Universal Interface Modules

Audio/Video equipment manufacturers often place a “remote” input jack on the back of their equipment. A good example is A/V receivers (also known as AVR's). These control jacks are often designed to communicate with components in the same brand or line. In lieu of standards for the type of signal or input jack on these units, Xantech has created a series of interface modules to allow any of our IR receivers to interface with many of these various jacks.



It is important to check compatibility before attempting to interface a universal IR repeater system or component with a manufacturer's proprietary input. Xantech maintains a data base of the brands and model numbers of A/V equipment with these types of input jacks, which is constantly being updated. Call for current information or go to www.xantech.com

Order: 79410 3.5mm stereo mini plug interface cable

Order: 79450 RCA-type phone plug interface cable

SPECIFICATIONS

- Power requirements: 12 Volts DC @ 15 millamps. Requires 781ERGPS Power Supply
- Connections: 4-screw terminal connector for interface with Xantech IR Receivers and other devices
- 3.5 mm mono mini jack for IR emitter, 3.5 mm stereo mini jack for interface cable, 2.1 mm coaxial power jack
- Dimensions: 4 1/4" x 1 5/8" x 1" (108mm x 42mm x 26mm)

ADDRESSABLE IR ROUTERS

RT16-10

The RT16-10 Router is a one-in/sixteen-out switcher which directs IR control signals to any or all 16 output ports.



Order: RT1610

RT8

The RT8 is a one in/eight out version of the RT16-10.

- RT8 requires a 782ERGPS power supply
- RT16-10 requires a 782ERGPS power supply
- Requires RC68X Programmer
- RT16-10 fits standard 19" rack mount
- A four-terminal plug-in connector, “IR RCVR INPUT”, permits connection of IR Receivers, Keypads, Controllers, etc

Order: RT8



Designer IR Emitters

Minimum Requirement: IR Receiver, Connecting Block & Power Supply. Are compatible with all Xantech IR Systems

STANDARD DESIGNER EMITTERS

STANDARD HIGH OUTPUT DESIGNER Emitter

- Non-visible, high-output version
- Deep purple Lexan™ shell
- Clear adhesive film included on emitter housing for attachment to IR window of controlled component
- Includes 3 pre-cut adhesive backings for replacement purposes
- Lead is terminated with a 3.5mm mono mini plug
- Length of wire: 10 feet

Order: 282D



DESIGNER Emitter Value Pack

Save 5% On 5 Pack Order: 282D5P

Save 10% On 10 Pack Order: 282D10P

DESIGNER Emitter With Twin Plug

- 282D high-output Designer Emitter with two 3.5mm plugs
- Allows control of single source by two IR systems
- Diode isolation for independent control and component protection
- Wire length: 10 feet

Order: 282TPD



'NAKED' Emitter

282M high-output Emitter with no shell surrounding emitter head

- Allows insertion of emitter inside component case for the cleanest appearance possible
- Wire length: 10 feet

Order: 282X



DUAL DESIGNER Emitter

- Two emitters in series with each other and terminated in a single 3.5mm mono mini plug
- Length of wire: 7 feet to junction, 3 feet to each emitter
- Non-visible, high output version

Order: 284D



DUAL DESIGNER Emitter Value Pack

Save 5% On 5 Pack Order: 284D5P

Save 10% On 10 Pack Order: 284D10P

Blink-IR Visible IR Emitters

BLINK-IR VISIBLE DESIGNER Emitter

- Visible, red blink, low output version of the 282D
- Clear adhesive film for attachment to IR window of controlled component
- Includes 3 pre-cut adhesive backings for replacement purposes
- Lead is terminated with a 3.5mm mono mini plug
- Length of wire: 10 feet

Order: 283D



VISIBLE DESIGNER Emitter Value Pack

Save 5% On 5 Pack Order: 283D5P
Save 10% On 10 Pack Order: 283D10P

BLINK-IR DESIGNER Pro

- Same Xantech performance as 283D
- Quick connect for easy service
- 283D PROKIT with bag of cables also available

Order: 283DPRO



BLINK-IR DESIGNER Emitter With Mini Wire

- 283D emitter with mini-wire (6 ft. long with 28 gauge wire)

Order: 283DMW



BLINK-IR DESIGNER Emitter With Twin Plug

- 283D Visible Designer Emitter with two 3.5mm plugs
- Allows control of single source by two IR systems
- Diode isolation for independent control and component protection
- Wire length: 10 feet

Order: 283TPD



DUAL BLINK-IR DESIGNER Emitter

- Two emitters in series with each other and terminated in a single 3.5mm mono mini plug
- Length of wire: 7 feet to junction, 3 feet to each emitter

Order: 286D



DUAL BLINK-IR DESIGNER Emitter Value Pack

Save 5% On 5 Pack Order: 286D5P
Save 10% On 10 Pack Order: 286D10P

DESIGNER Emitter ACCESSORY

DESIGNER Emitter SHIELD COVER

- Shield cover for designer emitters
 - Effective for covering component IR eyes for IR
- Order: 28DES



SPECIALIZED Emitter

BLAST-IR

- Powerful IR transmitting device that can send wireless IR signals across a room
- Order J/Box Blaster: 39020



IR ACCESSORIES

EMITTER WIRE DRESSING

Contains adhesive backed, custom sized molded pieces that makes installing mouse emitters fast, clean, and easy.

Package contains:

- (1) 1" x1" dressing, thin size (Perfect for the first 3 feet of the emitter)
 - (1) 1" x 1" dressing, wider size (Intended for the last 3 feet of the emitter)
 - (1) 1"x 5" dressing, thin size (Perfect for the first 3 feet of the emitter)
 - (1) 1" x 5" dressing, wider size (Intended for the last 3 feet of the emitter)
- Order Silver: MW1S
Order Black: MW1B



EMITTER EXTENSION CABLE

- 50-foot, 24-gauge, 3-conductor cable. Use for long emitter runs
 - 3.5 mm mini stereo plug on one end and female mini stereo jack on the other.
- Order: 078400

HIGH PERFORMANCE Emitter TAPE

- For use on cured or rough surfaces
 - Improves emitter adhesion
- Order: 28VHB



IR RECEIVER SUNSCREEN FILTER KIT

- Used with Xantech's legacy 480-, 490-, and 780- series IR receivers, the SUNKIT removes unwanted infrared interference. Two lenses are included, one to reduce overall light conditions by 66%, the other to filter out visible light and allow only infrared to pass through.
- Order: SUNKIT

DARK PURPLE 780 LENS

- Replacement lens for model 780

Order: 03016400

**INFRA RED ADJUSTER**

- Adjust IR output
- For use with all connecting blocks

Order: 28ADJ

**5-FOOT MINI PLUG CABLE**

- 5 foot cable with a standard 3.5mm mini plug and stripped/tinned leads
- Minimum order quantity of 10 pieces

Order: 06015900

**1-FOOT MONO MINI PLUG CABLE**

- 1 foot cable with 3.5mm/3.5mm plug

Order: 06017400

**DUAL 3.5mm MINI JACK ADAPTER**

- Dual in-line 3.5mm mini jack, Female to Female

Order: 06017440

**10-FOOT MONO MINI PLUG CABLE**

- 10 foot cable with 3.5mm/3.5mm plug

Order: 06017450

TWO WAY DC PASSIVE SPLITTER

- DC pass design allows IR control signal to pass through freely without the need of a Bypass Kit.

Order: 020000

FOUR WAY DC PASSIVE SPLITTER

- Four-way version of 200-00.

Order: 020200

**DC BLOCKER**

- Used on RF splitter outputs connected to rooms without Xtra Links
- Prevents a connected TV, VCR, etc. from shorting IR control signals on a coax system using Xtra Link 172's, etc.

Order: 020300



GROUND BREAKER

- Eliminates audible hum generated when A/V components are connected directly to a cable TV or Satellite system
- Isolates ground potential differences within an audio/video system without affecting the RF signal
Order: 063400

IR POWER SUPPLIES

781ERGPS 12V DC POWER SUPPLY

- Regulated 12V DC for most Xantech remote control devices (marked rating is 12V DC, 200 mA)
- Powers basic Xantech IR systems
- Uses 2.1mm coaxial plug
Order: 781ERGPS
International: Order: 781ERGPSE
Export Plugs: Part #06500670 UK
Part #06500671 AU
Part #06500672 EU



FIVE PACK 781RGPS POWER SUPPLY

- Package contains (5) 781RG Power Supplies
Order: 781ERGPS5P
Order: 781ERGPS10P

TEN PACK 781RGPS POWER SUPPLY

- Package contains (10) 781RG Power Supplies
Order: 781ERGPS10P

HIGH CURRENT POWER SUPPLY

- Regulated, 12V DC, 1.2 Amp power supply
- Uses 2.1mm coaxial plug
- Power a large number of Xantech devices from a single power supply
Order: 782ERGPS
International: Order: 782ERGPSE
Export Plugs: Part #06500670 UK
Part #06500671 AU
Part #06500672 EU

Video & Audio Signal Distribution



Video & Audio Signal Distribution **Components and Accessories**

As high-definition and higher-resolution video displays have become standard in audio/video systems, Xantech signal distribution products are increasingly chosen as standard equipment in those systems.

The reasons are simple: performance and value.

System integrators know best when it comes to investing in the quality level they need to succeed.

Once they learn that Xantech can deliver that level of performance—consistently and reliably—for less, the Xantech brand invariably gets spec'd at the top of the bill-of-materials list on the next job.

Whether you need to send HDMI over 100 feet, send eight high definition signal sources to eight displays, or just need a handy black box to convert a digital video format, Xantech has the right video tool for the job.

HIGH-DEFINITION SIGNAL DISTRIBUTION COMPONENTS

POINT-TO-POINT HDMI & IR/CAT5 EXTENDER

Extend and control your HDMI source over 100 feet.

- Extends high definition displays up to 135 feet (41 meters) from the source at 1080i
- Extends high definition displays up to 115 feet (35 meters) from the source at 1080p
- Automatic compensation for cable skew and delay
- Eliminates equipment noise in the viewing environment
- Supports resolutions up to 1080p, 1080i, 720p, 720i, 480p, 480i
- IR send and receive over CAT-5e
- CAT-5e or CAT-6 cable acceptable
- HDMI™ 1.3 compatible
- HDCP compliant

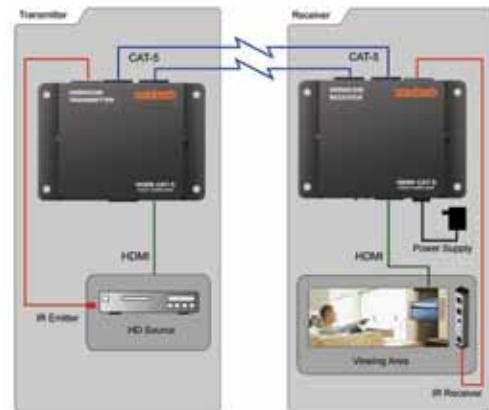
General Info

- (1) 100-240V Power Supplies: 12VDC, 6W max. (included)

- Dimensions: 3.43"W x 2.40"D x 1.14"H

Order: HDMIC5IR

(includes Send and Receive)



Extend and control your HDMI source over 120 feet.



POINT-TO-POINT HDMI & IR/CAT5 EXTENDER – DECORA-STYLE

Extend and control your HDMI source over 100 feet.

- Extends high definition displays up to 135 feet (41 meters) from the source at 1080i
- Extends high definition displays up to 115 feet (35 meters) from the source at 1080p
- Automatic compensation for cable skew and delay
- Eliminates equipment noise in the viewing environment
- Supports resolutions up to 1080p, 1080i, 720p, 720i, 480p, 480i
- IR send and receive over CAT-5e
- CAT-5e or CAT-6 cable acceptable
- HDMI™ 1.3 compatible
- HDCP compliant

General Info

- (1) 100-240V Power Supplies: 12VDC, 6W max. (included)
- Fit in Standard Decora® Plate

Order: HDMIC5IRD

(includes Send and Receive)



Decora is a registered trademark of the Leviton Manufacturing Company

4X4 HD SWITCHER: 4 SOURCES TO 4 DISPLAYS with CAT5

The HD44CC5 High Definition Component Video Matrix Switcher allows high definition 1080i video and digital audio to be sent up to 1000 feet over CAT5 cable with virtually no loss in signal quality.

Features

- Four-Source, Four-Zone High Definition matrix video switcher with SD video capability
- Buffered component video loop-through and serial port expansion capability allow expansion up to 16 zones of total distribution.
- Component video inputs and S/PDIF digital audio inputs for each source component
- 4 Coaxial Component video + S/PDIF digital audio outputs for each zone for distribution up to 250 feet
- Four RJ45 outputs for HD video and digital audio distribution up to 1000 feet over CAT5
- Coaxial component video output and RJ45 output active simultaneously
- Controllable through IR (RC68X) and RS232 commands
- Bandwidth supports resolutions of 1080i, 720p, 480p and 480i



General Info

- Power: 120VAC, 0.25A
- RM2UKIT Optional rack mount kit
- Weight: 9.25 lbs
- Dimensions: 17"W x 7.375"D x 3.93"H
- Power: 120VAC, 0.25A
- Remote Included (Contains lithium battery)
- Also available in 230 VAC

Order: HD44CC5

International Order: HD44CC5E

4x4 HD SWITCHER: 4 SOURCES TO 4 DISPLAYS

The HD44C High Definition Component Video Matrix Switcher allows high definition 1080i video and digital audio to be sent over standard coax with virtually no loss in signal quality.

Features

- Four-Source, Four-Zone High Definition matrix video switcher with SD video capability
- Buffered component video loop-through and serial port expansion capability allow expansion up to 16 zones of total distribution.
- Component video inputs and S/PDIF digital audio inputs for each source component
- 4 Coaxial Component video + S/PDIF digital audio outputs for each zone for distribution up to 250 feet
- Controllable through IR (RC68X) and RS232 commands
- Bandwidth supports resolutions of 1080i, 720p, 480p and 480i

Order: HD44C

International Order: HD44CE



General Info

- RM2UKIT Optional rack mount kit
- Weight: 9.25 lbs
- Dimensions: 17"W x 7.375"D x 3.93"H
- Power: 120VAC, 0.25A
- Remote Included (Contains lithium battery)
- Also available in 230 VAC

8X8 HD SWITCHER: 8 SOURCES TO 8 DISPLAYS with Cat-5

The HD88CC5 High Definition Component Video Matrix Switcher allows high definition 1080i video and digital audio to be sent up to 1000 feet over CAT5 cable with virtually no loss in signal quality.

Features

- Eight-Source, Eight-Zone High Definition matrix video switcher with SD video capability
- Buffered component video loop-through and serial port expansion capability allow expansion up to 32 zones of total distribution.
- Component video inputs and S/PDIF digital audio inputs for each source component
- 8 Coaxial Component video + S/PDIF digital audio outputs for each zone for distribution up to 250 feet
- Eight RJ45 outputs for HD video and digital audio distribution up to 1000 feet over CAT5
- Coaxial component video output and RJ45 output active simultaneously
- Controllable through IR (RC68X) and RS232 commands
- Bandwidth supports resolutions of 1080i, 720p, 480p and 480i



General Info

- Power: 120VAC, 0.25A
- RM3UKIT Optional rack mount kit
- Weight: 9.25 lbs
- Dimensions: 17"W x 7.375"D x 5.71"H
- Power: 120VAC, 0.25A
- Remote Included (Contains lithium battery)
- Also available in 230 VAC

Order: HD88CC5

International Order: HD88CC5E

8X8 HD SWITCHER: 8 SOURCES TO 8 DISPLAYS with coax cable

The HD88C High Definition Component Video Matrix Switcher allows high definition 1080i video and digital audio to be sent over standard coax with virtually no loss in signal quality.

Features

- Eight-Source, Eight-Zone High Definition matrix video switcher with SD video capability
- Buffered component video loop-through and serial port expansion capability allow expansion up to 32 zones of total distribution.
- Component video inputs and S/PDIF digital audio inputs for each source component
- 8 Coaxial Component video + S/PDIF digital audio outputs for each zone for distribution up to 250 feet
- Controllable through IR (RC68X) and RS232 commands
- Bandwidth supports resolutions of 1080i, 720p, 480p and 480i

General Info

- RM3UKIT Optional rack mount kit
- Weight: 9.25 lbs
- Dimensions: 17"W x 7.375"D x 5.71"H
- Power: 120VAC, 0.25A
- Remote Included (Contains lithium battery)
- Also available in 230 VAC

Order: HD88C

International Order: HD88CE



HD SINGLE GANG RECEIVER BOX

Receiver automatically compensates for wire run length as well as cable quality for simple, foolproof installation

- Receiver for use with HD44CC5, HD88CC5 or HDTXSG01 transmitter
- Easily mounts in a single gang J-box
- Gold plated RCA connectors for video and digital audio output
- Power supply: 8VAC @ 400mA (included)

Order: HDRXSG01

International Order: (EU) HDRXSG0177

International Order: (UK) HDRXSG0178

International Order: (AU) HDRXSG0179



HD SINGLE GANG TRANSMITTER BOX

Sends single HD or SD video source component and digital audio output up to 1000 feet over CAT5 wire to a HDRXSG01

- Transmits HD or SD video, digital audio and IR signal (IR requires separate wire run) to HDRXSG01
- Easily mounts in a single gang J-box
- Gold plated RCA connectors for video and digital audio output
- Power supply: 8VAC @ 400mA (included)

Order: HDTXSG01

International Order: (EU) HDTXSG0177

International Order: (UK) HDTXSG0178

International Order: (AU) HDTXSG0179



HD SINGLE GANG COAX BOX

HDCX SG01 COAX wall plate features:

Use for neat installation with coax component video distribution

- Easily mounts in a single gang J-box Connectors:
- Face: Gold plated RCA
- Rear: Gold plated F-Type

Order: HDCXSG01



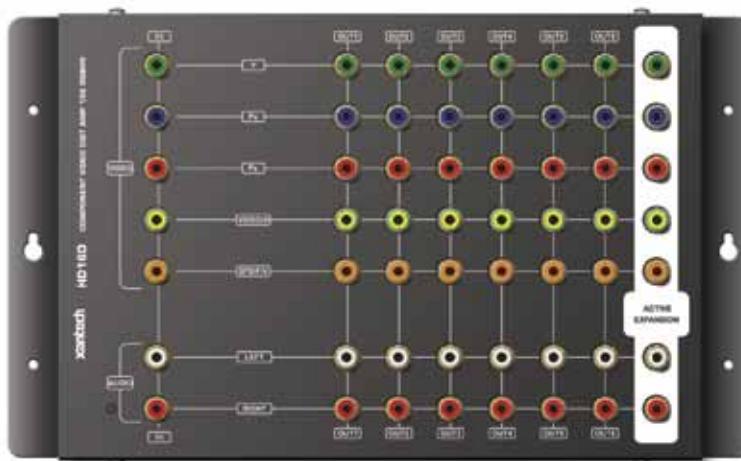
INTERNATIONAL POWER SUPPLY for HDRXSG01 and HDTXSG01

Order: 06500676 Australia/New Zealand (AUS/NZ)

Order: 06500677 Europe (EU)

Order: 06500678 United Kingdom (UK)

1 IN 6 OUT COMPONENT VIDEO AND AUDIO DISTRIBUTION AMP



Features

- Drives up to six audio/video components from a single A/V source
- Compatible with all HDTV signals (720p, 1080i, 1080p), analog video and audio, and digital audio signals.
- Low A/V distortion for crisp sound and picture
- Gold-plated RCA-type jacks
- Supports component video (Y, Pb, Pr), RGBHV, and composite video
- Supports analog Left/Right audio, digital audio – S/PDIF
- Active Expansion Output – Daisy chain and maintain same great picture quality
- Allows up to 150 ft. runs
- “Flat Pack” design for ease of placement and mounting

General Info

- Power Supply: 9VAC @ 1A (included)
- Dimensions: 10.8”W x 1.4”D x 6.5”H

Order: HD16D

International Order: (EU) HD16D77

International Order: (UK) HD16D78

International Order: (AU) HD16D79

HIGH-DEFINITION ACCESSORY

Xantech IR system adapter. Connects to “EXT-IR” port. Compatible with HDMI4X4, HDMI3X1, HDMI4X1 switchers. Mono-mini plug connects to emitter output port on a Xantech IR system. (built to order) IR ‘eye’ extension. Connects to “EXT-IR” port. Compatible with HDMI4X4, HDMI3X1, HDMI4X1 switchers. Extends the IR ‘eye’ up to 6 feet. Allows switcher relocation.

HDMIEXTIR Order: 28EXT

HDMI SECURE-LOCK CABLES

Xantech’s HDMI Secure-Lock cables provide reliable and secure connection to displays and source components.

Simply add a lock-down device and attach the HDMI cable. A knurled knob connects the HDMI cable to the electronic component for a secure fit. Reduce service calls and eliminate accidental cable disconnections with Xantech’s HDMI Secure-Lock cables.

Features

- Secure-Lock – Compatible with all HDMI jacks
- Gold plated connectors – For improved contact quality
- Triple layer shielding – For premium HDTV quality
- Supports resolutions up to 1080p, 1080i, 720p, 720i, 480p, 480i
- HDMI™ 1.3 compatible
- HDCP compliant
- Retail Packaging

Order: HDMI06FTLCK, 6-Feet

Order: HDMI10FTLCK, 10-Feet

Order: HDMI15FTLCK, 15-Feet

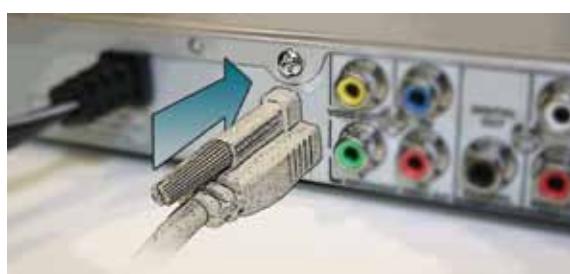
3-STEP INSTALLATION



1. Remove screw from equipment.



2. Attach lock-down device to the equipment.



3. Attach HDMI cable and Secure-Lock.



PRE-AMP A/V DISTRIBUTION SYSTEM

The ZPR68-10 is an extremely versatile, rack-mountable Pre-amp A/V distribution system, distributing up to eight source components through six zones. When combined with EXP9 Expansion Modules (see below), the ZPR68-10 can be used to control distribution to up to 24 separate zones. Each zone output can be individually pre-programmed to achieve proper volume and tonal balance to compensate for the speakers and acoustics in each zone. The ZPR68-10 is controllable by either IR or RS232 serial commands through any of Xantech's keypad control systems, including SPLCD Touchpanels, SmartPad3™ Keypads, or WPK Waterproof Keypads.

- Eight-source, six-zone A/V control system, expandable to 24 zones with EXP9 (see below)
- Zone pre-amp outputs allow flexibility to match amplifier power to job requirements
- Controllable via IR or RS232 commands (IR control requires RC68X programmer, not included)
- Rack-mountable (requires RMZPR, not included)

Order: ZPR6810



ZONE EXPANSION CABLE KIT FOR ZPR68-10

Order: EXP1524

RACK MOUNT ADAPTOR FOR ZPR68-10

Order: RMZPR

ZPR68-10 EXPANSION MODULES

The EXP9 is a nine-zone expansion module designed to work exclusively with the ZPR68-10 Six-Zone Eight-Source Remote Preamp. A single EXP9 expands the ZPR68-10 to a total of 15 zones of control, while two EXP9 units can be used to create 24 zones of control (requires EXP1524 cable, not included).

1 ZONE MODULE Order: EXP9-1

2 ZONE MODULE Order: EXP9-2

3 ZONE MODULE Order: EXP9-3

4 ZONE MODULE Order: EXP9-4

5 ZONE MODULE Order: EXP9-5

6 ZONE MODULE Order: EXP9-6

7 ZONE MODULE Order: EXP9-7

8 ZONE MODULE Order: EXP9-8

9 ZONE MODULE Order: EXP9-9

1 ZONE OUTPUT BOARD FOR EXP9

Order: XCARD

RACK MOUNT ADAPTOR FOR EXP9

Order: RMEXP

6-WAY A/V DISTRIBUTION AMPLIFIER

- Flat pack case allows easy space-saving positioning and mounting
- Drives up to six audio/video components from a single A/V source
- Low A/V distortion for crisp sound and picture
- A/V input/outputs: RCA-type phono jacks
- Power Supply: 16V DC @ 300 mA (included)
- Dimensions: 10" W x 2 3/4" D x 11/4" H
(254mm x 70mm x 32mm)
- Power supply 15VAC @ 400 mA (included)

Order: AV61



IR REMOTE PREAMP

Four in, one out infrared remote controlled audio/video preamp. IR control of Source Select, Volume, Bass, Treble, Balance and Mute.

- Four Source A/V inputs
- Separate Volume (Up/Down), Balance (Left/Right), Bass and Treble controls feature continuous adjustment in 2 dB steps, in either direction, all IR controlled
- Comes complete with power supply
- "Flat Pack" design for ease of placement and mounting
- IR input with IR confirm LED for use with Xantech IR controlled systems
- Requires RC68X hand-held remote programmer for IR control codes
- The RP41AV is adjustable to different RC68X IR control code groups, allowing individual control of multiple RS41AV's in a system
- "Flat Pack" design for ease of placement and mounting
- Power supply 15VAC @ 400 mA (included)

Order: RP41AV



VIDEO AND AUDIO SIGNAL DISTRIBUTION ACCESSORIES

DIGITAL AUDIO COUPLERS

Xantech's digital audio signal converter is an easy to install, clean approach to converting S/PDIF digital audio signals from optical to coaxial format. Combine a CPLCT and CPLTCX couplers to provide a long distance end-to-end solution using lower cost coaxial cable instead of optical cable.

Features

- Economically extend range of digital audio output by converting from costly optical cable to common coaxial cable
- Rack-mountable for easy installation
- Comes complete with power supply



Order: CPLTCX – Optical In, Coaxial Out

Order: CPLCT – Optical Out, Coaxial In

LCD Touchpanels



SPLCD TECHNICAL SPECIFICATIONS COMPARISON MATRIX

FEATURE	SPLCD64V	SPLCD64G	SPLCD39G
Stand-Alone Home Theater Controller	Yes	Yes	Yes
Screen Size	6.4" diagonal	6.4" diagonal	3.9" diagonal
Screen Resolution:	640 x 480 pixels	640 x 480 pixels	320 x 240 pixels
Screen Colors:	64K	64K	256
Video Supported:	NTSC, PAL, SECAM	n/a	n/a
IR Bus / IR Receiver:	Yes	Yes	Yes
Power Requirements:	16VDC, 750mA	16VDC, 750mA	16VDC, 500mA
RS232 Control Port: RS422 Requires RS422232 Controller	Yes	Yes	Yes
GPIO Event Trigger	Yes	Yes	Yes
Text Feedback Support	From MRC88m, MRAUDIO8X8m, XT1 XIS100	From MRC88m, MRAUDIO8X8m, XT1 XIS100	From MRC88m, MRAUDIO8X8m, XT1 XIS100
Video PIP/ Full Screen	Yes	No	No
System Capability	MRC44CTL,MRAUDIO4X4	MRC44CTL,MRAUDIO4X4	MRC44CTL,MRAUDIO4X4
Volume Level Feedback		MRC88m,MRAUDIO8X8m	
Dimensions:	5.66”H x 7.76”W x 1.77”D	5.66”H x 7.76”W x 1.77”D	3.53”H x 4.68”W x 1.52”D
Cut Out Dimensions	Order Template, p/n 08187157	Order Template, p/n 08187157	Order Template, p/n 08187158
Weight	2.9 lbs. (1.32 kg)	2.9 lbs. (1.32 kg)	1.10lbs (.5 kg)
Included Accessories:	White Bezel Back Box Cutout Template Universal Dragon Drop-IR Software	White Bezel Back Box Cutout Template Universal Dragon Drop-IR Software	White Bezel Back Box Cutout Template Universal Dragon Drop-IR Software

SPLCD TOUCHPANEL CONTROLLERS

6.4" SMARTPAD LCD VIDEO TOUCH PANEL

The SPLCD64V combines video display with the convenience and simple operation of a self-contained touchpanel controller. Its 640 x 480 resolution, with 64K color, provides outstanding graphics and a remarkable video image, which may be displayed full screen, or as picture-in-picture.

- Touchpanel controller with video display
- Fully customizable display graphics
- Video image may be displayed full-screen, or PiP mode
- Stand-alone device can output IR and/or RS232 commands
- Internal pre-programmed IR code library, as well as capability to learn IR commands
- Built-in IR receiver
- SPLCDPS1 Power Supply required (p38)
- Front panel IR learning eye
- Integrated Macronizer executes long macros without errors

Order: SPLCD64VW



6.4" SMARTPAD LCD GRAPHIC TOUCHPANEL

- Stand-alone device can output IR and/or RS232 commands
- Fully customizable display graphics
- XT1 Station feedback, and XMUSIC song title navigation
- Internal pre-programmed IR code library, as well as capability to learn IR commands
- Built-in IR code library
- Built-in IR receiver
- SPLCDPS1 Power Supply required (p38)
- Front panel IR learning eye
- Fully compatible with the MRC88m/MRAUDIO8X8m Controllers with bi-directional status indication

Order: SPLCD64GW



3.9" SMARTPAD LCD GRAPHIC TOUCHPANEL

- Stand-alone device can output IR and/or RS232 commands
- Fully customizable display graphics
- XT1 Station feedback, and XMUSIC song title navigation
- Internal pre-programmed IR code library, as well as capability to learn IR commands
- Built-in IR code library
- Built-in IR receiver
- SPLCDPS1 Power Supply required (p38)
- Front panel IR learning eye
- Fully compatible with the MRC88m/MRAUDIO8X8m Controllers with bi-directional status indication

Order: SPLCD39GW



SPLCD TOUCHPANEL CONTROLLERS ACCESSORIES

COLOR BEZELS FOR SPLCD TOUCHPANEL CONTROLLERS

- Available in 3.9" and 6.4"
- Available in White, Black, Ivory, Almond, Brown, Brass, Satin Brass, Satin Chrome, and Polished Chrome
- White Bezel included with SPLCD SmartPad LCD™ Controllers

3.9" Almond Order: SPLCD39BZA

3.9" Black Order: SPLCD39BZBK

3.9" Brown Order: SPLCD39BZBN

3.9" Ivory Order: SPLCD39BZI

3.9" Polished Chrome Order: SPLCD39BZPC

3.9" Satin Brass Order: SPLCD39BZSBR

3.9" White Order: SPLCD39BZW

6.4" Almond Order: SPLCD64BZA

6.4" Black Order: SPLCD64BZBK

6.4" Brown Order: SPLCD64BZBN

6.4" Ivory Order: SPLCD64BZI

6.4" Satin Brass Order: SPLCD64BZSBR

6.4" Satin Chrome Order: SPLCD64BZSC

6.4" White Order: SPLCD64BZW

- For applications requiring enclosed box:
- Included with SmartPad LCD™ Controllers.
- Available separately for prewire applications

3.9" SPLCD Box Order: SPLCD39BOX

6.4" SPLCD Box Order: SPLCD64BOX

Dimensions:

• SPLCD39BOX 3.9"- 3.92"H x 4.92"W x 3.27"D

• SPLCD64BOX 6.4"- 6.05"H x 7.91"W x 3.51"D

RACK MOUNT FOR SPLCD39

For applications requiring 19" rack mounting of SPLCD39

Order: CSPLCD39RMP

RACK MOUNT FOR SPLCD64

For applications requiring 19" rack mounting of SPLCD64

Order: CSPLCD64RMP

DESKTOP MOUNT FOR SPLCD39

For applications requiring desktop mounting of SPLCD39

Order White: DTMLCD39W

Order Black: DTMLCD39B



DESKTOP MOUNT FOR SPLCD64

For applications requiring desktop mounting of SPLCD64

Order White: DTMLCD64W

Order Black: DTMLCD64B



SPLCD TOUCHPANEL CONTROLLERS ACCESSORIES

SMARTPAD LCD CONNECTING BLOCK

- Allows integration of SPLCD SmartPad LCD™ Controllers into an existing IR network
- 12 VDC Regulated output for standard Xantech IR Receivers
- 16 VDC output for SPLCD Touchpanel Controllers
- 10 amplified IR emitter ports
- Requires SPLCDPS1 or SPLCDPS4 Power Supply

Order: SPLCDCB100



SMARTPAD LCD POWER SUPPLY

- Steady, regulated, 16V DC, 800 mA power supply for a single SPLCD Touchpanel Controllers
- Available in 120VAC-60 Hz or 240VAC-50 Hz

Order: SPLCDPS1

HIGH CURRENT SMARTPAD LCD POWER SUPPLY

- Steady, regulated, 16V DC, 3.12A power supply for multiple Touchpanel Controllers
- Available in 120VAC-60 Hz or 240VAC-50 Hz
- Powers up to four SPLCD SmartPad LCD™ Controllers

Order: SPLCDPS4

RS422 TO RS232 MODULE

- Connects to the Serial I/O port on SPLCD Controllers
- Converts RS422 from SPLCD to RS232 output to control a RS232 device
- Converts RS232 from a control device to RS422 to control a SPLCD
- Allows control from up to 4000 feet away via CAT5 cable

Order: RS422232



SMARTPAD LCD REPLACEMENT POWER SUPPLY

- Steady, regulated, 16V DC, 800 mA power supply for a single SPLCD SmartPad LCD™ Controller
- Available in 120VAC-60 Hz or 240VAC-50 Hz

SPLCDPS1

HIGH CURRENT LCD POWER SUPPLY

- Steady, regulated, 16V DC, 3.12A power supply for the SPLCD SmartPad LCD™ Controllers
- Available in 120VAC-60 Hz or 240VAC-50 Hz
- Powers up to four SmartPanels™ (SP35, SP43, SP70)

SPLCDPS4

IR Keypads & Remote Controls



Xantech's legendary line IR keypads and remote controls give you the utility, cost-effectiveness, and flexibility of complete system control mounted in the wall or in the palm of your hand.

Xantech keypads are always exactly where you need them—they can't be lost or misplaced, and there is no need to point it toward the controlled components, or even achieve line-of-sight. With a fully-flexible design and 40-step macro programming, Xantech keypads can command any system.

The keypads can be set up to learn using IR commands. You can also use the Universal Dragon™ software application to quickly program specific keypads.

For control in the great outdoors, check out Xantech's acclaimed WaterPad. It is one of the few A/V components actually described as "weatherproof." There's good reason—Xantech WaterPads are designed to bring A/V control to pools and spas and can handle total immersion in water.

SmarTPad3 In-Wall Keypad Kits

SmarTPad3 Dual Gang Programmable Module Kit

Complete in-wall keypad kit includes:

- (1) PM110 Dual Gang SmartPad3 Programmable Module
- (1) MMD6 Keypad with six source selection keys, six function keys and one rocker volume control key.
- (1) MMD Black Bezel (1) MMD Almond Bezel (1) MMD Ivory Bezel
- (1) CMD1 Keypad module with six function control keys, four cursor navigation keys and one selection key
- (1) CMD Black Bezel (1) CMD Almond Bezel (1) CMD Ivory Bezel

Order: PM110KITRP



SmarTPad3 Single Gang Learning Module Kit

Complete in-wall keypad kit includes:

- (1) LM110 Single Gang SmartPad3 Learning Module
- (1) MMD4 Keypad with four source selection keys, six function keys and one rocker volume control key.
- (1) MMD Black Bezel (1) MMD Almond Bezel (1) MMD Ivory Bezel

Order: LM110KITRP



SmarTPad3 Single Gang Expansion Module Kit

SmartPad3 Single Gang Expansion Module for use with PM110

Includes:

- (1) EM110 SmartPad3 Single Gang Expansion Module
- (1) KMD1 Keypad with four source selection keys

Order: EM110KITRP



IN-WALL KEYPADS AND DESIGNER SERIES KEY MODULES

SMARTPAD3 DUAL GANG PROGRAMMABLE MODULE

Dual Gang Programmable Module (with 32 Kbytes E2PROM) can be programmed manually to execute single commands, sequences and delays. Capable of manual programming, IR Learning and Cloning, or can be programmed with Universal Dragon Software. Non-volatile memory allows programming either before or after installation.

Order: PM110RP



SMARTPAD3 SINGLE GANG LEARNING MODULE

Single Gang Learning Module receives its program from a PM110 Programmable Module or Universal Dragon. The LM110 can be programmed using a PM110 or Universal Dragon Software to execute single commands sequences and delays. Non-volatile memory allows programming either before or after installation.

Order: LM110RP



SMARTPAD3 SINGLE GANG EXPANSION MODULE

SmartPad3 Single Gang Expansion Module - Requires PM110

Order: EM110RP



IN-WALL KEYPADS AND DESIGNER SERIES KEY MODULES

DESIGNER SERIES CURSOR MODULE

Xantech Designer Series Cursor Modules allow custom button configuration to match any customer's needs. These modules are compatible with the Xantech SmartPad3 PM110, LM110 and EM110 Modules* for single, double or triple gang keypad configurations. The Cursor Modules are also compatible with standard decorator-style wall cover plates*.

- Keypad module with six function control keys, four cursor navigation keys and one selection key
 - Includes 700+ Button labels
- Order: CMD1W



FOUR SOURCE DESIGNER SERIES CURSOR MODULE

Xantech Designer Series Cursor Modules allow custom button configuration to match any customer's needs. These modules are compatible with the Xantech SmartPad3 PM110, LM110 and EM110 Modules* for single, double or triple gang keypad configurations. The Cursor Modules are also compatible with standard decorator-style wall cover plates*.

- Keypad module with four backlit source selection keys, two function control keys, four cursor navigation keys and one selection key
 - Includes 700+ Button labels
- Order: CMD4W



SIX SOURCE DESIGNER SERIES CURSOR MODULE

Xantech Designer Series Cursor Modules allow custom button configuration to match any customer's needs. These modules are compatible with the Xantech SmartPad3 PM110, LM110 and EM110 Modules* for single, double or triple gang keypad configurations. The Cursor Modules are also compatible with standard decorator-style wall cover plates*.

- Keypad module with six backlit source selection keys, four cursor navigation keys and one selection key.
 - Includes 700+ Button labels
- Order: CMD6W



DESIGNER SERIES CURSOR MODULE COLOR BEZEL KIT

Color replacement bezels for use with Xantech Designer Cursor Modules*.

Package Includes:

- (1) Cursor Module Black Bezel
- (1) Cursor Module Ivory Bezel
- (1) Cursor Module Almond Bezel

Order: CMDBZKIT



DESIGNER SERIES KEY MODULE

Xantech Designer Series Key Modules allow custom button configuration to match any customer's needs. These modules are compatible with the Xantech SmartPad3 PM110, LM110 and EM110 Modules* for single, double or triple gang keypad configurations.

The Key Modules are also compatible with standard decorator-style wall cover plates*.

- Keypad module with twelve function keys.

- Includes 700+ Button labels

Order: KMD1W



DESIGNER SERIES KEY MODULE COLOR BEZEL KIT

Color replacement bezels for use with the Xantech Designer Key Module*.

Package Includes:

- (1) Key Module Black Bezel
- (1) Key Module Ivory Bezel
- (1) Key Module Almond Bezel

Order: KMDBZKIT *sold separately



DESIGNER SERIES MASTER MODULE

Xantech Designer Series Master Modules allow custom button configuration to match any customer's needs. These modules are compatible with the Xantech SmartPad3 PM110, LM110and EM110 Modules* for single, double or triple gang keypad configurations.

The CursorModules are also compatible with standard decorator-style wall cover plates*.

- Keypad module with ten function keys and one rocker volume control key.
- Includes 800+ Button labels

Order: MMD1W



TWO SOURCE DESIGNER SERIES MASTER MODULE

Xantech Designer Series Master Modules allow custom button configuration to match any customer's needs. These modules are compatible with the Xantech SmartPad3 PM110, LM110and EM110 Modules* for single, double or triple gang keypad configurations.

The CursorModules are also compatible with standard decorator-style wall cover plates*.

- Keypad module with two backlit source selection keys, eight function keys and one rocker volume control key.
- Includes 800+ Button labels

Order: MMD2W



FOUR SOURCE DESIGNER SERIES MASTER MODULE

Xantech Designer Series Master Modules allow custom button configuration to match any customer's needs. These modules are compatible with the Xantech SmartPad3 PM110, LM110and EM110 Modules* for single, double or triple gang keypad configurations.

The CursorModules are also compatible with standard decorator-style wall cover plates*.

- Keypad module with four backlit source selection keys, six function keys and one rocker volume control key.
- Includes 800+ Button labels

Order: MMD4W



SIX SOURCE DESIGNER SERIES MASTER MODULE

Xantech Designer Series Master Modules allow custom button configuration to match any customer's needs. These modules are compatible with the Xantech SmartPad3 PM110, LM110and EM110 Modules* for single, double or triple gang keypad configurations. The CursorModules are also compatible with standard decorator-style wall cover plates*.

- Keypad module with six backlit source selection keys, four function keys and one rocker volume control key
- Includes 800+ Button labels

Order: MMD6W



EIGHT SOURCE DESIGNER SERIES MASTER MODULE

Xantech Designer Series Master Modules allow custom button configuration to match any customer's needs. These modules are compatible with the Xantech SmartPad3 PM110, LM110and EM110 Modules* for single, double or triple gang keypad configurations.

The CursorModules are also compatible with standard decorator-style wall cover plates*.

- Keypad module with eight backlit source selection keys, two function keys and one rocker volume control key.
- Includes 800+ Button labels

Order: MMD8W



DESIGNER SERIES MASTER MODULE COLOR BEZEL KIT

Color replacement bezels for use with Xantech Designer Master Modules*.

Package Includes:

- (1) Master Module Black Bezel
- (1) Master Module Ivory Bezel
- (1) Master Module Almond Bezel

Order: MMDBZKIT *sold separately



SPECIALIZED KEYPADS, REMOTE CONTROLS, AND ACCESSORIES

SMARTPAD3 DESKTOP MOUNT

Desktop mount for the SmartPad3 keypad system. Conveniently place the SmartPad3 keypad system on a desktop, countertop or coffee table. Each desktop mount includes a single and dual gang faceplate

Order White: DTMSP3W Order Black: DTMSP3B



WATERPAD - Waterproof Programmable Keypad

Completely submersible waterproof keypad. Designed and engineered to be used in bathrooms, showers, outdoor areas, or poolside. Every WPK comes with over 125 icon labels, allowing the installer to customize each keypad for their individual client. Use the Universal Dragon Drop-IR™ software for custom programming as you would for a PM110 or LM110.



WATERPAD WITH 20 FUNCTION BUTTONS

Order: WPK1

WATERPAD WITH FOUR BANK AND 16 FUNCTION BUTTONS

Order: WPK4

WATERPAD WITH SIX BANK AND 14 FUNCTION BUTTONS

Order: WPK6

WATERPAD WITH EIGHT BANK AND 12 FUNCTION BUTTONS

Order: WPK8

HAND-HELD WIRELESS REMOTES

URC-2 PROGRAMMABLE HAND-HELD CONTROLLER

The URC-2's combination of power, versatility, and ease of use has made it one of the most recognized remote controls on the market. With a new keypad layout, the URC-2 is now even easier to use and program. With the ability to embed macros under every button, the URC can perform complex tasks very simply.

- All buttons can be programmed for individual commands or complete macros for single touch automation
- Tier 2 push/hold Button Function (program 2 different macros under a single button)
- Eight source select and 40 basic function buttons
- Programmable manually or with Universal Dragon Drop-IR™ software
- Built in IR learning eye for creating an IR code library

Black Remote Order: URC2B

Platinum Remote Order: URC2P



PLATINUM ORDER HAND HELD LEARNING REMOTE RETAIL PACKAGE

- Retail pack includes URC2P (platinum), and programming cable

Order: URC2PRP

Control & Switching Devices



For many system integrators, Xantech is the “glue” that makes all their inter-dependent systems work better as an automated whole: HVAC, lighting, security and entertainment. Whether the control application requires sensing audio, video, current, or relay closure—or switching AC devices, amplifiers and even speakers—Xantech has the right tool for the job in its comprehensive line of switchers and controllers.

SYSTEM CONTROLLER

INTELLIGENT SYSTEM MANAGER/ISM4

As the nexus for applying all of Xantech's renowned sensing, switching and control capabilities, the ISM4 Intelligent System Manager is the perfect assistant to leave on any job 24/7. It is designed to keep an A/V system constantly in synch and eliminate human error, especially when people unfamiliar with a system attempt to operate that system's controls.

Proven in "mission-critical" commercial and institutional installations (including hospital ICU's), where entire racks of A/V components must be maintained in perfect working order with daily exposure to untrained personnel, the ISM4 automatically applies any and all necessary corrections to a system the next time a master component is turned ON. If a user inadvertently changes a system setting, the ISM4 will automatically fix the problem. Just simply walk up and press the power button on a master component (usually a TV), and the system will be reset back to where it should be. The ISM4 eliminates the need for multiple remotes as well. It is an invaluable tool in keeping any residential or commercial system up-and-running while minimizing service calls.



- Automatic Status control up to 4 sources
- 4 sensor inputs
- 4 IR ports
- Bidirectional RS232 Port for Status
- Get on/off RS232 feedback from non RS232 devices
- Can be used with all Xantech Sensor modules
- IR pass through
- XPS Programming Feature eliminates the need for programming with a PC
- Cloning Feature allows installer to copy programming from one unit to another
- Comes with (1) video sensor & Power supply

Order : ISM4

SENSOR MODULES

AUDIO SENSOR MODULE

- Provides status feedback by monitoring line-level audio connection
- Sensor head placed inline to the line level audio output of the sensed device.
- 0-15 second adjustable delay
- Adjustable sensitivity
- For use with MRC platform, ISM4 and CBCSM1 connecting block

Order: SMAUD01



VIDEO SENSOR MODULE

- Provides status feedback by monitoring composite video connection
- Sensor head placed inline to the composite video output of the sensed device.
- 0-15 second adjustable delay
- Adjustable sensitivity
- For use with MRC platform, ISM4 and CBCSM1 connecting block

Order: SMVID01



MAGNETIC SENSOR MODULE

- Provides status feedback by monitoring AC current
In power cords: Sensor head placed around power cord
(no stripping necessary)
- Sensor head insert allows monitoring of various sized cords
- From CRT monitors: Sensor head placed near AC magnetic field
- From AC electric motors: Sensor head placed near AC magnetic field
- 0-15 second adjustable delay
- Adjustable sensitivity
- For use with MRC platform, ISM4 and CBCSM1 connecting block

Order: SMMAG01



LED AND LIGHT SENSOR MODULE

- Provides status feedback by monitoring light illumination
- Sensor head can be placed on top of equipment light or LED
- Sensor module can also detect sunlight and room illumination
- Colored filters included that allow specific colored lights of LEDs to be detected
- 0-15 second adjustable delay
- Adjustable sensitivity
- For use with MRC platform, ISM4 and CBCSM1 connecting block

Order: SMLIT01



CONTACT CLOSURE SENSOR MODULE

- Contact Closure Sensor Module
 - Detects dry switch/relay closure
 - Wired directly to dry switch or relay
 - 0-15 second adjustable delay
 - For use with MRC platform, ISM4 and CBCSM1 connecting block
- Order: SMCC01



AC/DC VOLTAGE SENSOR MODULE

- Detects AC or DC Voltage between 9 and 24 Volts
- Example: Doorbell can be used to mute an audio system when the doorbell rings
- 0-15 second adjustable delay
- For use with MRC platform, ISM4 and CBCSM1 connecting block

Order: SMVLT01



REMOTE SPEAKER SWITCHER

The 686-10 allows switching six pairs of speakers ON and OFF using RC68X IR commands. Allows local or global command of speaker control.



- 200 Watts per channel capacity
- Switchable 4-Ohm series resistor for amplifier protection
- Isolated Left and Right Grounds. Allows use of bridging type power amplifiers
- Four-terminal IR input for Xantech IR receivers, LCD Touchscreen Controllers, SmartPads and other devices
- Requires the 782ERGPS Power Supply

Order: 68610

REMOTE AC SWITCHER

The 680-10 is an IR Remote Controlled AC Switcher with six AC outlet receptacles. It responds to RC68X IR commands via its IR input port. Each outlet is switched ON or OFF by a high current electro-mechanical relay for higher reliability than solid state switching methods.



Order: 68010

REMOTE GAIN CONTROL MODULE

- Remote controlled line level gain control
- Ramping volume and/or preset level adjustments
- Separate mute on and off
- Loop-through jacks for 'daisy chaining' multiple RGC11's
- Requires RC68X Programmer
- Useful for controlling multiple power amplifiers from a single preamp
- Power Supply 15VAC @ 400mA (included)

Order: RGC11



CONTROLLED AC OUTLET

The AC1 is a control Voltage switched outlet. It can be used for AC power management with the control output of any low Voltage DC source (5-30VDC).

Order: AC1



IR / VOLTAGE CONTROLLED AC OUTLET

The AC2 is an IR or Voltage controlled switched AC outlet. It can be used for AC power management with the control output of any low Voltage source (5-30VDC or AC), or a composite video signal.

Order: AC2



REMOTE RELAY MODULE

- Provides “dry contact” closures for plasma lifts, screen drops, drapes etc.
- One double pole, double throw relay, 5 amp/30VDC rated
- Four contacts available: two normally open, two normally closed
- IR input terminals
- IR code select switch
- Requires 781ERGPS power supply and RC68X Programmer

Order: CC12



REMOTE RELAY SWITCHER

- Six double-pole double-throw relays, 5 amps, 30 VDC rated
- Two normally open and 2 normally closed contacts per relay
- Six six-terminal screw-type plug-in connectors
- Requires 782ERGPS power supply and RC68X Programmer

Order: CC62



LIGHTING MODULE

- Converts RC68X IR codes to X-10 commands
- Requires Universal Dragon Drop-IR™ software for programming
- 64 presets per module
- Four scenes per module
- Adjusts temperature (preset or variable) when used with an X-10 compatible thermostat (not included).
- Requires 781ERGPS Power Supply and RC68X IR Programmer

Order: IRX10



1X8 ADDRESSABLE SERIAL ROUTER

The RS2321X8 Serial Router allows the single serial output of a Xantech SPLCD Touchpanel or other RS232 controller to be expanded to control eight different serial devices, or up to sixteen devices when used with the MRC88CTL.

- Requires 781ERGPS Power Supply
Order: RS2321X8



IR TO RS232 MODULE

Easily add serial control capability to an IR system to control advanced components such as projectors and lighting systems. Allows the installer to economically upgrade an existing Xantech IR control system.

- Requires 781ERGPS Power Supply
Order: IRS232A



Speaks Dragon

RS232 TO IR MODULE

RS232IR Module allows advanced control systems such as lighting systems and automation systems to send user-programmable IR commands when triggered by pre-defined Xantech ASCII commands.

- Requires 781ERGPS Power Supply
Order: RS232IR



RS232 EXPANSION MODULE

- RS232 Serial Port Extender/ Hub
- Four port RS232 Port Extender/Hub for RS-232 data signals
- Data received from any of the RS232 ports is sent to the other three
- Can be used to monitor several RS232 controlled machines via one PC port
- Can be used as a hub to link together multiple serial devices
- Controls a single matrix switcher or other product via several computers and/or controllers
- Power Supply (included)

Order: XOPV14



Speaks Dragon

MINI-MACRONIZER™

MAC1 has the ability to send single IR Commands or IR Sequences when triggered by a single RC68X command.

- Requires Universal Dragon Drop-IR™ for programming
- Eliminates the problem of lost commands from hand held universal remotes
- Cuts down network traffic
- Requires 781ERGPS Power Supply and RC68X IR Programmer

Order: MAC1



PROGRAMMABLE CONTROLLER

The 590-10 gives the custom installer the ability to use any push button or contact closure to initiate infrared commands. The 590-10 incorporates 16 isolated input circuits and a learning microprocessor. There are 16 pairs of screw terminals on its rear panel for use with up to 16 individual contact closures.

- Programmable with Universal Dragon Drop-IR™ Programming Software
- Multi-function sequencing for up to 40 commands per key, button, or contact closure of any type
- Requires 782ERGPS Power Supply

Order: 59010



Speaks Dragon

KEYPAD FOR 590

- Eight-button keypad
- Fits in single-gang box
- Requires nine-conductor cable
- Includes legend cutout sheet
- Depth: 0.75" (19mm)

Order: 059800



PULSED SWITCHING MODULE

- The 599 is used in conjunction with the 59010 Programmable Controller
- Provides a momentary 12 Volt DC pulse output when a steady 5 to 12 Volt DC input is applied
- By plugging a 12VDC power supply into a switched AC outlet on the back of an AM/FM receiver, a low Voltage, switched DC signal is made available to the 59010. This could be used to trigger a power-on command for a common source component.
- Power is supplied from the 59010

Order: 059900



CURRENT SENSOR CONNECTING BLOCK

- Allows the CSM1 Current Sensor to be used as a general purpose current sensor (independent of the MRC88m)
- For use with CSM1 and Sensor Modules

Order: CBCSM1



Multi-room Audio & Video Distribution



Xantech's line of multi-room audio/video components is based on taking all of the brand's considerable expertise in control, video and audio technology, and integrating it into one extremely competent and powerful platform to deliver virtually any system design outcome desired by a system installer. In fact, the individual technologies inside Xantech's MR-series of controllers are so advanced, some of them have been spun-off into stand-alone components in their own right.

MR-series performance, engineering and flexibility is fully complemented by one of the industry's most advanced line of self-contained touchpanels and keypads—making Xantech the next "go to" brand for any and every conceivable multi-room audio and video application today or in the future.

MX/MRC/MRAUDIO/BXAUDIO SPECIFICATIONS CHART

FEATURES	MRC88m	MRAUDIO4X4	MRC44CTL
Source Inputs	8	4	4
Zone Outputs	8	4	4
Local Zone Audio Inputs	8	-	-
Amplifier Power Output	420W total: 35wx12 into 8 ohms	200W Total: 25wx8 into 8 ohms	200W Total: 25wx8 into 8 ohms
Amplification technology	Class AB, Analog	Class AB, Analog	Class AB, Analog
Intelligent and Highly Efficient			
Green Power Supply with 100V-240V	No	No	No
Automatic voltage selection			
Pre Amp Outputs	Yes (all 8 zones) e Fixed or Variable	No	No
Video Zone Output	Composite	N/A	Composite
PC Programmable	Yes	Yes	Yes
Quick Config (QC) capable?	Yes	No	No
Intelligent Power Management	Yes	Yes	Yes
Routable Emitter Ports	"16 (8 Source Emitters / 8 Zone Emitters)"	4 Zone Emitters	4 Zone Emitters
Common Emitter Port	Yes	Yes	Yes
Emitters Included	8-283D	4-283D	4-283D
RS232 Support	"Yes, 2 bidirectional routable ports (Expandable to 16 using RS2321X8 Router)"	No	No
Sense Ports	8	4	4
Doorbell/ Page support	Yes	No	No
Color Coded Rear Panel Connectors	No	No	No
Rack Mountable?	Yes - with RMR88 (sold separately)	No	No
Rack ears	part of RMR88	No	No
Standard Chassis Height	5U	-	-
Dimensions (W x H x D)	17" x 7.5" x 15.75"	17" x 4" x 11.5"	17" x 4" x 11.5"
Weight	45 lbs	22.75 lbs	22.75 lbs
System Expansion	2 controllers (8 sources/16 zones)	2 controllers (4 sources/8 zones)	2 controllers (4 sources/8 zones)
AC Power Requirement	dedicated 120V and 230V models available	dedicated 120V and 230V models available	dedicated 120V and 230V models available
Full Metadata Display Capability	Yes	No	No
IP enabled?	Yes, with MRIP	No	No
iPad® and PC/tablet control interface?	Yes, with MRIP	No	No



NEW ETHERNET MULTI-ROOM IP CONTROL INTERFACE MRIP

MRIP web interface bridge — with the surge in iPad® popularity, one of the latest requests is for adding iPad control to an existing system. Xantech's new bridge makes it possible. It enables a legacy-installed Xantech MRC (multi-room controller)-based system to be upgraded for iPad compatibility. Use the MRIP to control an MRC audio/video controller from an iPad, Smartphone, tablet, netbook, PC, or really any web-enabled device. Features full metadata feedback and cover-art.

- 1 RS232 Serial port – bi-directional serial port .
- Integrated Web server – MRIP serves up a built-in webpage to enable IP control of a compatible Xantech MRC-platform system
- Multi-user support – Advanced operating system supports multiple, non-exclusive, connections from several computers
- Comes complete with power supply.

Order: MRIP



MRC88M AUDIO/VIDEO CONTROLLER/AMPLIFIER

EIGHT ZONE/EIGHT SOURCE AUDIO/VIDEO CONTROLLER/AMPLIFIER

The MRC88m is an eight-source, eight-zone A/V distribution amplifier that allows the control and distribution of eight separate source components to eight different zones, with the capacity to expand to up to sixteen zones of control and distribution. It allows control of source components through both RS232 and IR.

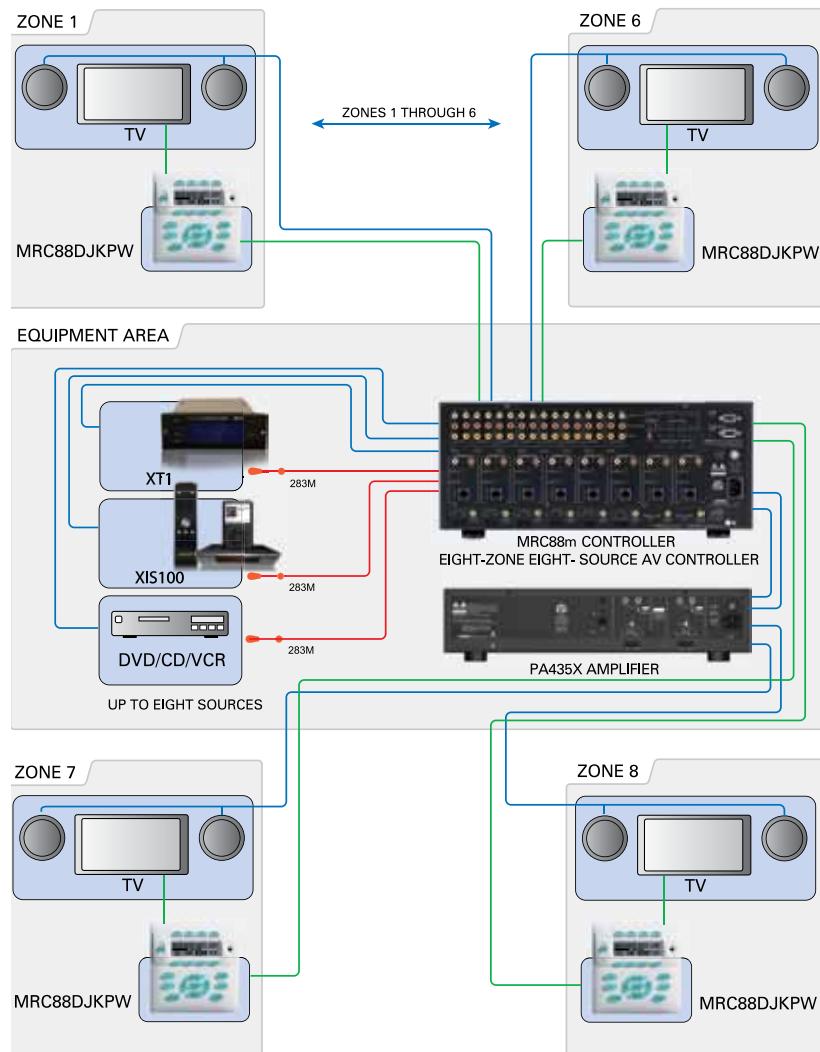
- Eight Audio inputs
- Eight Video inputs
- Eight zone-specific stereo pre amp outputs
- Expandable to 16 zones
- Six zones (2x35W/Ch); Two zones pre amp out only
- Controllable through SPLCD SmartPad LCD™ as well as dedicated MRC88 keypads
- Easily programmed through Universal Dragon-Drop IR™ software
- Programmable macros allows simplified device control
- Intelligent Power Management for positive device control through video and current sense on all 8 source inputs
- 16 routable IR ports
- Two routable bi-directional RS232 ports
- Also available in 230 VAC / 50 Hz.
- Contains Larger memory for your projects compared to the MRC88.
- Improved response speed to queries and commands.

Order: MRC88m



Speaks Dragon

Xantech gives you the ability to distribute Audio and Video to eight areas.



MRC44CTL AUDIO/VIDEO CONTROLLER/AMPLIFIER

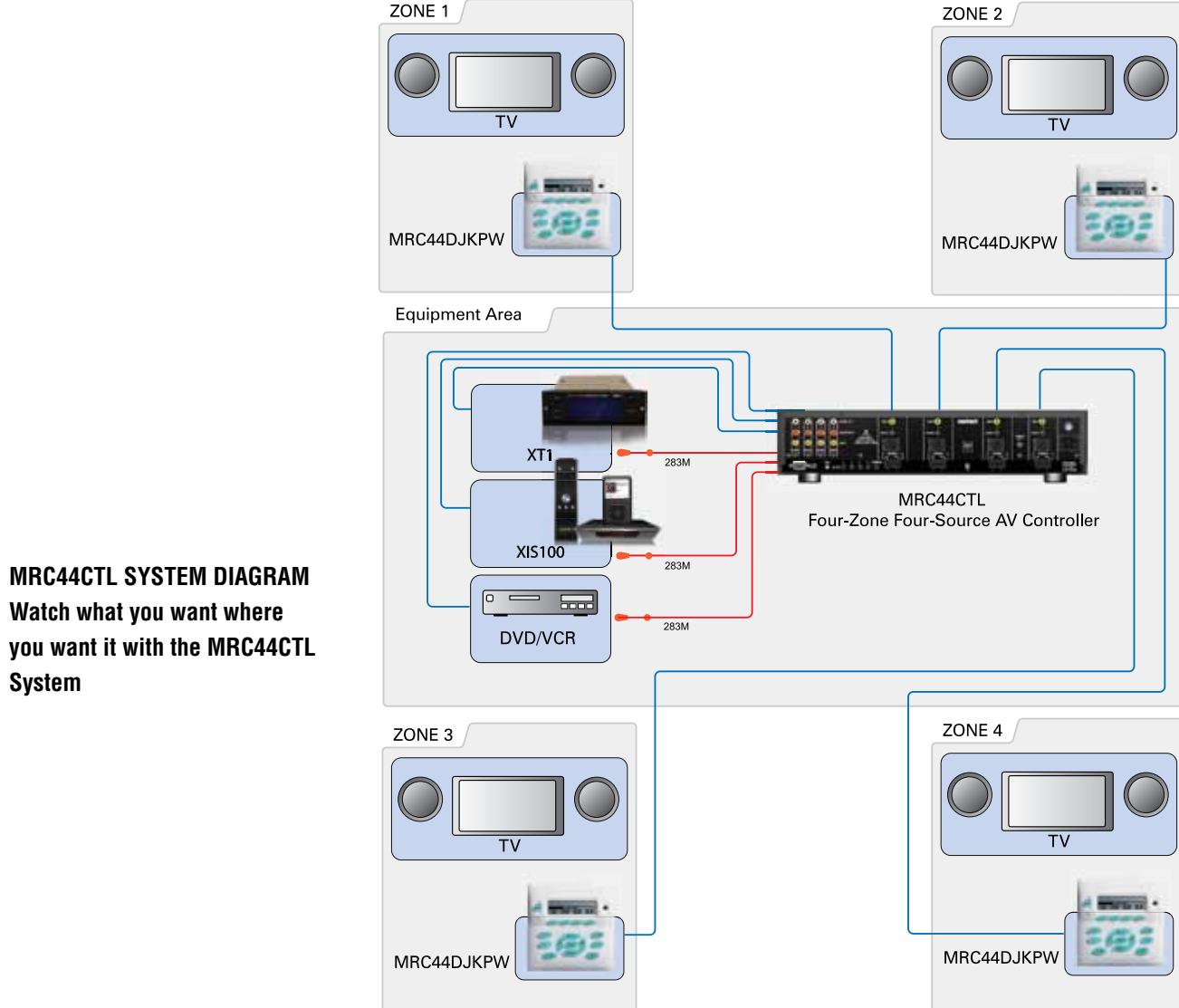
FOUR ZONE/FOUR SOURCE AUDIO/VIDEO CONTROLLER/AMPLIFIER

The MRC44CTL allows IR control of up to four A/V source components distributed to four zones.

- Four Audio inputs
- Four Video inputs
- Expandable to eight zones
- 2x25W/Ch per zone audio amplification
- Controlled through dedicated MRC44 keypads as well as SPLCD SmartPad LCD™
- Easily programmed through Universal Dragon-Drop IR™ software
- Programmable macros allow simplified device control
- Intelligent Power Management for positive device control
- Volume and EQ status feedback through MRC44 keypads



Order: MRC44CTL



MULTI-ROOM AUDIO CONTROLLERS

FOUR ZONE/FOUR SOURCE AUDIO CONTROLLER/AMPLIFIER

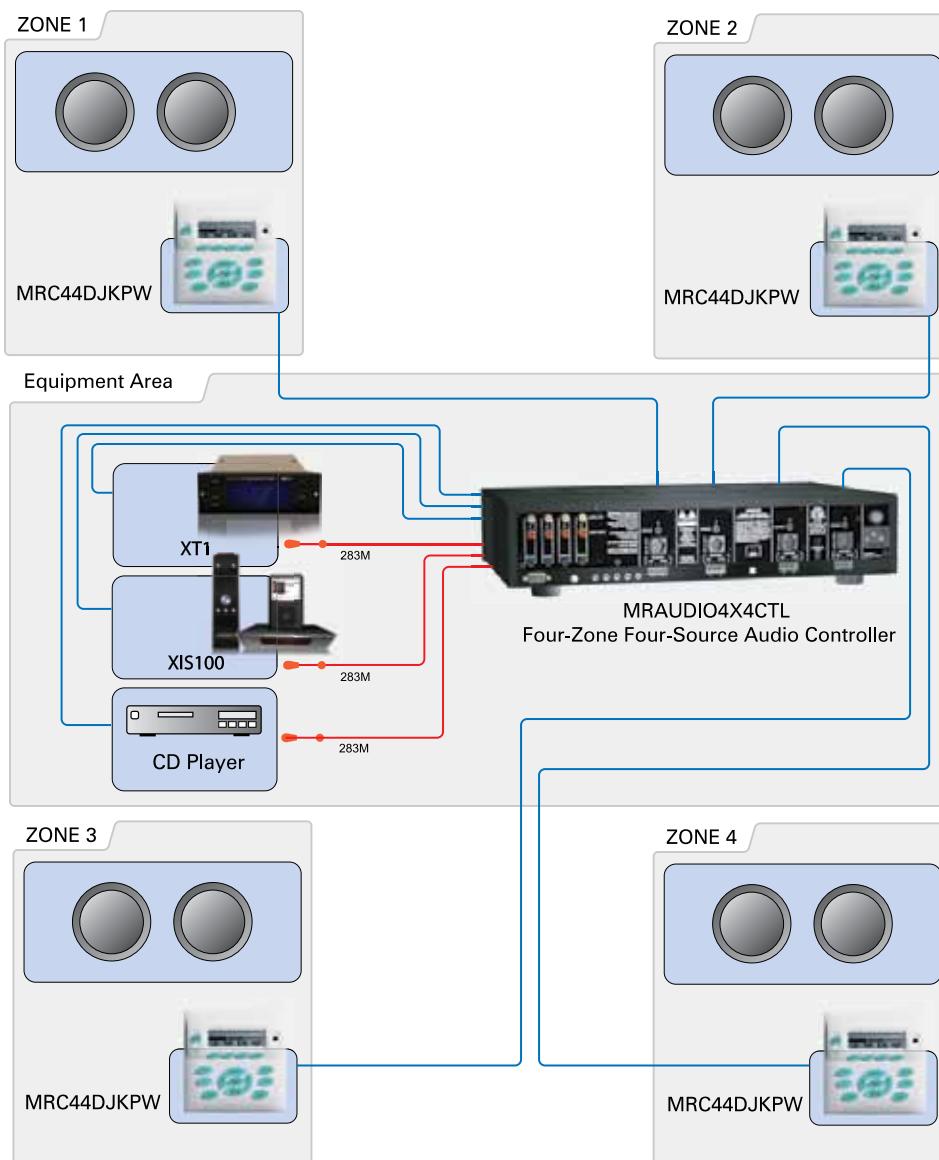
The MRAUDIO4X4CTL allows IR control of up to four source components distributed to four zones.

- Four Audio inputs
- Expandable to eight zones
- 2x25W/Ch per zone audio amplification
- Controlled through dedicated MRC44 keypads as well as SPLCD SmartPad LCD™
- Easily programmed through Universal Dragon-Drop IR™ software
- Programmable macros allow simplified device control
- Intelligent Power Management for positive device control
- Volume and EQ status feedback through MRC44 keypads



Order MRAUDIO4X4CTL

**The Xantech
MRAUDIO4X4
creates four separate
listening zones where
each zone can select
and listen to a different
source.**



MRC/MRAUDIO KEYPADS

MRKP-series keypads for MRC controllers

Xantech's new multi-room keypads and controllers optimize the flexibility of the MX88 controller with multi-line metadata capability. All new keypads and controllers also provide interference-resistant IR capability for use with plasma and LCD displays. Installation is easier than ever on the keypads, which fit standard electrical backboxes.

MRKP1-MRC88m/one-gang Keypad

- New industrial design combining the most requested keypad features with small footprint and an Organic LED display.
- Fits in standard single-gang box
- Compatible with MX88 and MRC88m amplifier-controllers
- Updated, contemporary industrial design
- Displays 3 lines of meta-data
- Quick Config (QC) enabled: Configurable with or without Universal Dragon™ software
- Super-Bright Organic LED (OLED) display
- Mounts in UL/CSA standard one-gang electrical back boxes and open-back low-voltage frames
- Built-in interference-resistant wide-band IR receiver
- Powered interface to Xantech external IR receiver modules
- User-selectable backlight color (Blue and Green)
- Hot-pluggable
- Bezel & Trim-plate: White (standard and included), Almond, Ivory, Black available as a kit and sold separately.
- Color change kit available for Black, Ivory and Almond:

Order: MRKP1

Color Kit Order: KCK1



European version

MRKP1E-MRC88m/MX88 one-gang European version keypad.

Color change kit available for Black, Ivory and Almond:

Order: MRKP1E

Color Kit Order: KCK1E



MRKP2-MRC88m/two-gang Keypad

Hybrid Keypad design combines keypad simplicity with full LCD touchpanel features including transport controls for operating other A/V components along with advanced navigation features. The ultimate in customization using the LCD keypad for system configuration.

- Compatible with MRC88m
- 2.4 inch TFT LCD touch-panel display with super-bright LED backlighting
- Updated, contemporary industrial design
- Fits in standard double-gang box
- Displays 7 lines of meta-data
- Quick Config (QC) enabled: Configurable with or without Universal Dragon™ software
- Mounts in UL/CSA standard two-gang electrical back boxes and open-back low-voltage frames
- Built-in interference-resistant wide-band IR receiver
- Powered interface to Xantech external IR receiver modules
- User-selectable backlight color (Blue and Green)
- Hot-pluggable
- Bezel & Trim-plate: White (standard and included), Almond, Ivory, Black available as a kit and sold separately
- Color change kit available for Black, Ivory and Almond:

Order: MRKP2

Color Kit Order: KCK2

European version

MRKP2E-MRC88m two-gang European Key-pad, hybrid design with touch screen. Color change kit available for Black, Ivory and Almond:

Order: MRKP2E

Color Kit Order: KCK2E



MRC44CTL - MRAUDIO4X4CTL KEYPAD WITH LCD DISPLAY

- Fits in a standard dual-gang box
- Compatible with MRC44CTL
- Keypad dimensions (W, D, H) 5" x 1.5" x 5"
- Keypads have LCD Screen for Source Status and Source Feedback Display
- Backlit function buttons for ease of use in low light situations
- Keypad connection to controller/amplifier via CAT5 cable terminated with RJ45 connectors
- Maximum 4 keypads per zone
- Available in white, almond, ivory and black

Order Almond: MRC44DJKPA

Order Black: MRC44DJKPB

Order Ivory: MRC44DJKPI

Order White: MRC44DJKPW



MRC/MRAUDIO ACCESSORIES

HAND-HELD REMOTE

- Preprogrammed remote designed to work with the MRC88
- No programming required. Works right out of the box.

Order: MREM



MRC KEYPAD SPLITTER

- Allows two MRC keypads to be used in a zone without the need to “daisy-chain” them
- Allows each keypad wire to be “home-runned” to the MRC Controller
- Provides additional IR receiver input

Order: MRCKPSP



SPEAKER LEVEL TO LINE LEVEL CONVERTER

- Converts speaker level output to line level
- Use with amp outputs of MRC44/MRAUDIO44 for use with auxiliary amplifier

Order: SLLC1



MRC44CB1 CONNECTING BLOCK

- Add external Xantech IR Receivers in conjunction with MRC44/88 Keypads
- Extend maximum distance of secondary MRC keypad to 600 feet
- External power supply selector jumper enables use of external 12V supply for longer cable runs and applications requiring higher current capacity supplies
- Requires 782ERGPS Power Supply

Order: MRC44CB1



ZONE AUDIO INPUT KIT

Allows Zone Audio and Video connection with IR control. Perfect for connecting local in-room source equipment to an A/V distribution system through Cat 5 cable over 300' away

- Fits in single gang J-box
- Connections for Composite Video, Stereo Audio, IR control
- Comes complete with power supply

Order: ZAKIT



ZONE AUDIO TRANSMITTER

- Single gang Decora style plate
- Transmit line level audio over CAT5 cable up to 300'

Order: ZATRAN



ZONE AUDIO RECEIVER

- Allows up to eight local audio inputs to be elegantly connected to the Zone Audio Inputs on a MRC/MRAUDIO Controller
- Accepts input of up to eight ZATRAN Zone Audio Transmitters

Order: ZA8REC



MRC88m - MRAUDIO8X8m 15-pin to 9-pin EXPANSION CABLE

- 15-pin to 9-pin expansion cable for use with MRC88CTL/MRAUDIO8X8
- Enables expansion port to be used with XMUSIC, XDT or any RS232 device

Order: 05913665

NULL MODEM EXPANSION CABLE

Used for MRAUDIO4X4 / BXAUDIO4X4 / MRC44CTL / expansion.

Order: 05913560



MRC88CTL - MRAUDIO8X8CTL DOORBELL PAGING SYSTEM

DOORBELL PAGING CONTROLLER

- Combines existing home phone system and MRC88m/MRAUDIO8X8m to provide whole-house paging and doorbell capability
- Add Doorbell Communicator and Doorbell Communicator Hub to the Doorbell Paging Controller on a MRC88m/MRAUDIO8X8m system for a complete entry control and paging solution.
- Complete with power supply

Order: DPC100



DOORBELL COMMUNICATOR

Single-gang mounted entry intercom and doorbell

- Use with Doorbell Communicator Hub to add whole-house doorbell capability and entry intercom to a MX/MRC88m/MRAUDIO8X8m system
- Available in Stainless Steel or Oil Rubbed Bronze
- Requires Doorbell Communication Hub DCH4
 - Order Stainless Steel: DCSS
 - Order Bronzed Black: DCCBB

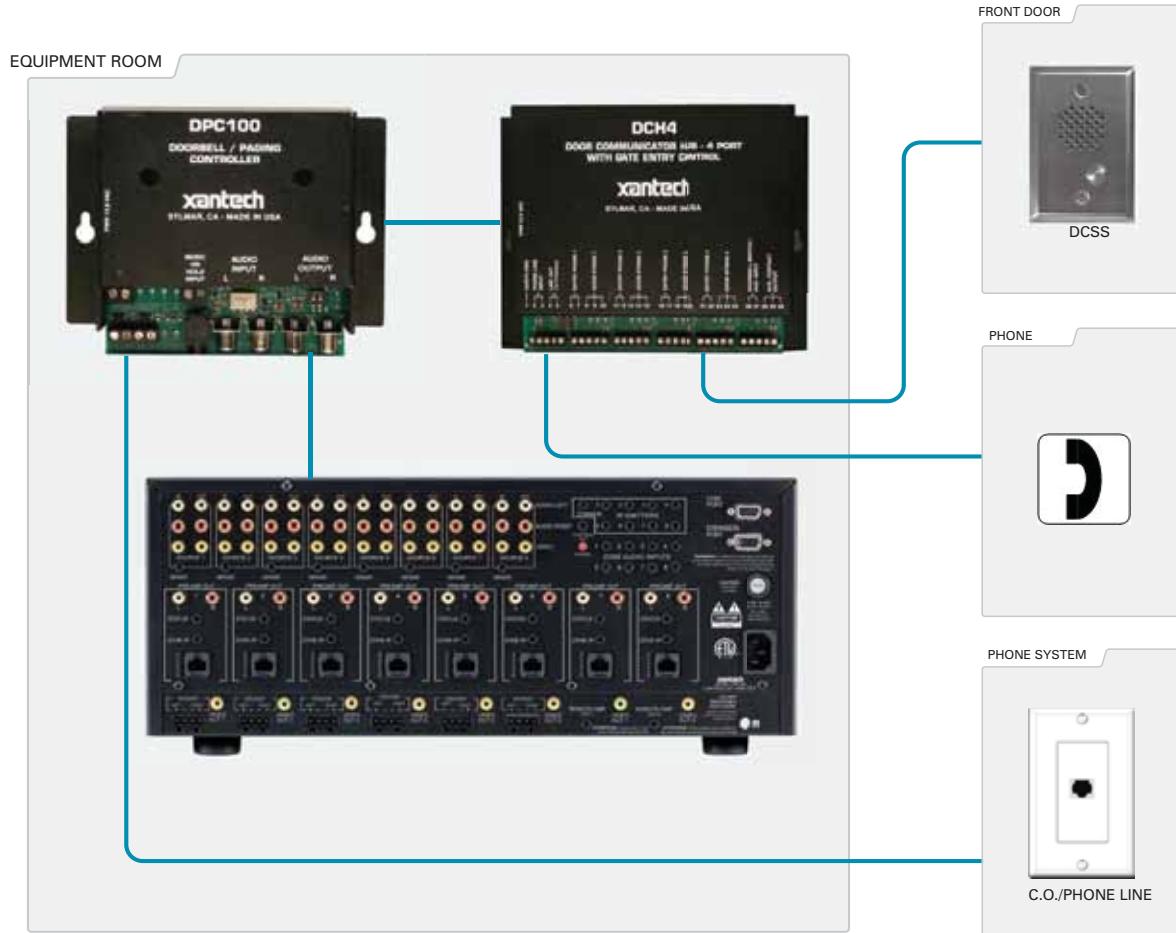


DOORBELL COMMUNICATOR HUB

Keyless entry controller for use with the MX/MRC88CTL/MRAUDIO8X8CTL

- Answer and open up to 4 doors or gates from your nearest phone
- Provides two different door chimes and whole-house paging when combined with DPC100 and MRC88m/MRAUDIO8X8m
- Allows whole-house doorbell capability with MRC88m/MRAUDIO8X8m
- Use with Doorbell Communicator DCSS or DCBB
- Complete with power supply

Order: DCH4



Audio & Video Programming Tools



“Speaks Dragon”

Anywhere the Speaks Dragon Symbol appears in this Catalog, it indicates a product which is programmable with Universal Dragon Drop-IR Programming Software.

Universal Dragon Programming Software is the heart of the Xantech control system. This one program speaks to a variety of Xantech control products, such as SPLCD LCD Touchpanels, MRC distribution systems, XTR39 remote control, and many more. Universal Dragon includes many Default Projects featuring basic configurations and programming to make system programming even more efficient.

Universal Dragon features an extensive, built-in Code Library that includes IR Commands for most commonly used A/V components. For IR Commands not found in the Library, Universal Dragon easily learns and stores IR Commands in Code Groups that become part of the Code Library. Xantech's easy-to-use Palette Editor System allows the entering and storage of RS232 ASCII and Hex commands, making programming RS232 as easy as IR.

Simply drag and drop the RS232 and/or IR commands from the library onto the virtual work space, creating macros to control anything from the Home Theater to intricate Whole-House lighting and security systems. With the aid of Xantech Universal Dragon Drop-IR™ Software a complete “Virtual” programming environment can be created. Within the “Virtual” space, the programmer can create macros with single, sequenced and tiered IR commands.

All commands and macros can be easily tested within the “Virtual” space prior to downloading any macros onto the device. System Projects can be saved and used for reference when troubleshooting or upgrading systems. System Projects can also be copied and modified to customize a basic system package to a different clients' needs without having to start from scratch every time.

Download free <http://www.xantech.com/Software>

UNIVERSAL DRAGON DROP-IR PROGRAMMING SOFTWARE

Speaks Dragon Compatible Products

PRODUCT	
MRC88m	PM110
MRAUDIO8X8m	LM110
MRC44CTL	EM110
MRAUDIO4X4CTL	WPK
SP35G	XTR39
SP43VIP/G	RS232IR
SP70VIP/G	MAC1
	590-10

UNIVERSAL DRAGON MINIMUM REQUIREMENTS

- 1.5GHz Processor or Better
- Windows XP and Windows Vista
- 512MB Ram (1GB Ram recommended)
- 600MB* Hard drive space (more recommended as projects expand)
- .NET Framework 2.0 (included)
- Mouse, USB, RS232 port
- 600MB = 300MB Universal 300MB .Net Framework

UNIVERSAL DRAGON DROP-IR DPKIT

The DPKIT is a convenient programming kit to get you the installer, up and running in as little time possible. The heart of the programming kit is the PCIRUSB. This device interfaces with Universal Dragon Drop-IR software and allows the capture and testing of IR commands. The PCIRUSB connects to the USB port of a computer and has Xantech's Blast-IR technology allowing quick testing of learned IR commands. The PCIRUSB is required to program the SmartPad3 (LM110, PM110) and WaterPads.

The DPTBOX Programming Tool Box provides all of the tools necessary for programming Universal Dragon compatible products.

DRAGON DROP-IR PROGRAMMING KIT

- (1) PCIR1 Programming Module
- (1) USB Serial Cable (06500781)
- (1) 3-Pin, DB9F Programming Cable (05913778) – 6 feet
- (1) 3.5mm Plug-To-Stripped End Cable (06015900) – 5 feet
- (1) RS232 Programming Cable, DB9MF (06500616) – 6 feet
- (1) DB9MF Null Modem Adapter
- (1) Expansion Cable, MRC44, MRAUDIO4X4, BXAUDIO4X4 – (05913560) 2 feet
- (1) WaterPad Programming Adapter (05913460-01)
- (1) Universal Dragon Drop-IR CD-ROM (03501085-01)
- (1) 781ERGPS Power Supply

Order: DPKIT



DRAGON DROP-IR PROGRAMMING TOOL BOX

- (1) All the Contents of the DPKIT Plus
- (1) RC68X Programmer
- (1) 291-10 Desktop IR Receiver
- (1) CB12 Connecting Block
- (5) 283M Blink-IR Mouse Emitter
- (1) Screwdriver Set – 2 piece
- (1) Wire Strippers and Cutter

With the PCIR1 and Universal Dragon Drop-IR software, you can learn, program, and test complex IR commands into several Xantech devices. Refer to the list below to determine which Xantech products require the PCIRUSB \ DPKIT \ DPTBOX. PCIR1 REQUIRED



PRODUCT

LM110

WPK

RS232IR

MAC1

590-10

PROGRAMMING TOOLS

RC68X PROGRAMMER

- An expanded version of the RC68 programmer with over 14,000 IR codes
- Contains all IR codes necessary to operate all Xantech IR controlled components
- Use to program universal learning devices, such as Xantech remotes and keypads
- IR control code groups are adjustable within many Xantech components
- Requires two AA batteries (not included)
- Dimensions: 7 1/8" H x 2 5/8" w x 7/8"D (181mm x 67mm x 23mm)

Order: RC68X



Audio & Video Sources

Like many Xantech products, our source components were conceived, designed and built to address specific applications or solve a particular problem.

Our XIS100 iPod dock is a perfect example. It was created for commercial venues, where high-resolution video was desirable in making presentations on conference-room projectors and build-quality had to be beyond a consumer-grade product in order to consistently deliver that higher level of video performance over the long-term. No wonder residential system integrators started specifying XIS100's into their premiere installations to provide their most demanding clients with the ultimate in an iPod system interface. And no wonder why the XIS100 earned the platinum (top) spot as "Audio Product of the Year" in CEA's Mark of Excellence awards.



AUDIO AND VIDEO SOURCE COMPONENTS

BDX TT- Bluetooth interface table-top receiver

Xantech Bluetooth devices bring hand-held and other personal electronic devices into the complete integrated A/V system. With a Xantech Bluetooth Interface, an iPod Touch® 2G, iPhone®, iPad® or other similar device (including a large number of mobile phones and personal computers) can play content directly into a multi-room A/V system without requiring a docking station, freeing the user to experience true portability and flexibility. Users can maintain full control over their media by using their favorite handheld devices—and can retain the full functionality of those devices (pausing music while taking a call, for example). Xantech's Bluetooth interface is that "essential option" for any full-featured multi-room audio/video system design.

- Wireless connection to any Bluetooth®-enabled personal handheld music source such as the Apple® iPhone® or iPod touch®, a large number of mobile phones, and personal computers, using the A2DP Stereo Bluetooth profile.
- Receive wireless music from any Bluetooth A2DP enabled source for playback via Xantech MX/MR & DDS multiroom systems, as well as any other audio amplifier or amplified speaker with RCA or 3.5mm stereo inputs.
- Small table-top configuration allows placement in a variety of convenient locations.
- Works over distances up to 80 feet.
- Includes two audio connection cables and a 100V~240V universal power supply with regional adaptor plugs.

Order: BDXTT

VDA51- Virtual Dolby® Decoder

An innovation that truly bridges the gap between multi-room audio and surround-sound theater. With the VDA51 in-line in a zone, a pair of in-wall or ceiling speaker becomes a surround-sound theater through Dolby Virtual surround. The VDA51 takes a digital SPDIF output and delivers analog audio with virtual surround to any zone. The perfect solution for conference room, offices, and residential applications, where the theater surround experience is desirable but five speakers are not. When a Dolby Digital stream is present, the unit encodes the analog output with Dolby Virtual® Speaker surround information which creates a virtual surround effect from only two in-wall or ceiling speakers. Dolby Virtual fine tuning selector lets the installer choose Wide or Reference decoding (each setting a different level of surround processing and perceived surround effect).



- Accepts digital signal (Dolby Digital ® and PCM) from a source, and outputs it as analog left and right audio.
- Component applications: use with Xantech HD88CC5, HD44CC5, or HDTXSG01, and placed after an HDRXSG01 Component Video Extender. Or use with an HD88C/HD44C/ any source component with coaxial digital SPDIF output.
- Includes universal power supply

Order: VDA51

AUDIO AND VIDEO SOURCE COMPONENTS

XT1

The XT1 AM/FM RDS, when paired with our Xantech MX or MRC multiroom controller, sends tuner information to SmartPanel or SmartPad LCD™ controllers and MX/MRC compatible keypads, including station, band and frequency, as well as RDS RT, PS, and PTY. The XT1 tuner, with its 32 combined AM or FM presets, offers simple, easily customized operation, while the built-in memory backup stores this information in the event that power is lost. The XT1 offers a small footprint. Up to 3 XT1 tuners can be mounted on a 1U Rackmount Bracket (model 1U3XT1RM). This high-quality tuner assures clean, distortion-free audio throughout the house.

- High-quality AM/FM RDS Tuner.
- Up to 6 XT1 tuners can independently communicate and be controlled by Xantech MRC88m
- Small footprint – up to 3 units can be installed in a 1U rack slot with 1U3XT1RM kit (sold separately)
- Controllable by both IR (via rear panel connector), and RS232
- The XT1 sends tuner information (including FM RDS data) to our SmartPad LCD™ controllers, as well as MRC88 Keypads
- 32 Presets total (FM or AM or a combination of both)
- Memory backup stores preset information in case of power loss
- Rack Mountable with 1U3XT1RM kit (sold separately)
- Available in 120VAC / 60 Hz and 230 VAC / 50 Hz

Order: XT1
International Order: XT1E



AUTONOMIC CONTROLS

Xantech MPC1 Multi-room PC Control Interface brings the power of metadata-rich digital and web-based media to Xantech multi-room systems, enabling convenient and easy access to media diverse range of content throughout the home. Each audio stream is accompanied with its own content/menu navigation, metadata, and cover art via RS232 and IP connections between the world wide web, a PC, and the Xantech system.

Allows playback of iTunes®, Windows Media Audio®, Pandora®, Sirius Internet Radio®, XM-Online®, and RadioTime® (coming soon). Other web-based music services are planned for introduction at later dates. Up to 4 independent and simultaneous audio programs, controllable as 4 independent sources. Full metadata and menu navigation for each source. Album cover available for compatible sources. Supports IP and RS232 communication.

- Multiple streams of audio from a single PC
- Ultra fast and reliable operation
- Works with Windows 7, Vista, or XP: 32 or 64 bit
- Live transport and navigation feedback
- Displays “Now Playing” metadata such as artist, album, title, track progress, etc.
- Control iTunes, Windows Media Player, Pandora, XM Online, Sirius, Internet Radio, RadioTime (coming soon)

Controllable Media Players

- iTunes Version 7 or greater
- Windows Media Player 11

Supported Online Services

- XM Radio
- Sirius Internet Radio
- Pandora
- RadioTime (introduction TBD)

Independent Stereo Audio Outputs

- 3 per 5.1 sound card
- 4 per 7.1 sound card (Multiple sound cards supported)



Control Protocol

- RS-232 via MX88vi, MX88ai, MRC88m, or MRAUDIO8x8m
- IP via MX88vi, MX88ai, MRC88m with MRIP, and MRAUDIO8x8m with MRIP

PC and other hardware requirements

- Windows 7, Vista, or XP: 32 and 64 Bit
- 2GHz CPU
- 1GB RAM
- Sound card: On-board audio on current Intel and AMD motherboards, as well as Realtek based aftermarket cards, such as Soundblaster.
- RS232 interface (or approved USB to RS232) interface, if not using IP interface. If using RS232 or USB-to-RS232 interface, a separate RS232 connection/port is required for each audio stream.
- IP interface (MX88vi, MX88ai, and/or MRC/MRA88m with MRIP IP Interface Module). In this configuration, only one IP port is required regardless of number of audio streams.
- Uninterruptible Power Supply (UPS): The use of UPS is strongly recommended, as it will prevent possible start-up or configuration issues caused by an unexpected AC power interruption to the host PC.

Network Requirements for internet-based services:

- A live (always-on) broadband internet connection (WAN) to the world wide web
- A good and uncongested LAN (Local Area Network) is also essential for high quality audio streaming

Order: MPC1

Digital Multi-room Audio

Imagine if you could combine the simplicity and affordability of a Category-5 amplified volume control system with the performance of a high-powered multi-channel keypad amplifier. Xantech's new DDS platform does just that—making high-performance installed audio practical in a much wider range of home construction.

Each LCD keypad packs an advanced Class-D digital amplifier capable of generating up to 30 Watts/zone using just Category-5 cabling and up to 48 Watts/zone with a local power option—enough power to drive multiple speaker pairs in large rooms or outdoor speakers. The keypad allows the selection of up to four whole-house digital audio sources (or two digital and two analog) plus a fifth local source using an optional Source Wallplate (a single-source version is also available).



Digital Multi-Room Audio over Category-5 Cabling



The system is expandable to up to 28 zones, making it ideal for large-premises installations where value is as critical as performance and flexibility. Keypads provide in-room equalization and dynamic range control to tailor speakers to any room; mini-remotes provide convenient control from anywhere in the room.

The innovative design and engineering inherent in Xantech's Digital Delivery system earned it an *Innovations 2010* award at the Consumer Electronics Show. In addition, DDS won the 2010 CEA *TechHome Mark of Excellence Platinum* award for "Installation Product of the Year"—due recognition for what will likely become the next standard in installed multi-room audio.

Complete DDS kits come with everything you need to add multi-source music to four rooms. A rack-mount version (shown above) is for entertainment centers; a wall-mount version is also available and fits into a standard structured cabling enclosures. Accessories include Universal DDS Remote Control, Six-zone expansion kit, and local source wallplates.

COMPLETE DDS INSTALLATION KITS

4 - SOURCE 4 -ZONE KIT - EQUIPMENT RACK

FEATURES:

- Digital Delivery System (DDS)
- Complete multi-room audio package
- Controls up to four sources
- Distributes audio up to four zones
- 30 Watts Digital Amp
- Super Bright OLED Display
- Studio Slim Design
- Fits in Decora Plate

Order: D5RHK

International Order: D5RHKE



GENERAL INFO:

- (1) Equipment Rack 4x4 Hub
- (4) Mini Remotes
- (4) DIGI-5 Keypads
- (4) 283D Emitters



4 - SOURCE 4 -ZONE KIT - WALL MOUNT KIT

FEATURES:

- Digital Delivery System (DDS)
- Complete multi-room audio package
- Controls up to four sources
- Distributes audio up to four zones
- Sources can be remotely located
- Based on Wall Mount hub
- Fits most structured wiring systems
- 30 Watts Digital Amp
- Super Bright OLED Display
- Studio Slim Design
- Fits in Decora Plate

Order: D5SHK4

International Order: D5SHK4E



GENERAL INFO:

- (1) Wall Mount 4x4 Hub
- (1) Wall Mount Power Supply
- (4) Mini Remotes
- (4) 283D Emitters
- (4) DIGI-5 Keypads
- (4) Local Source Input Plates
- (1) 110 Punch-Down Tool



SINGLE SOURCE 4 -ZONE KIT - WALL MOUNT

FEATURES:

- Digital Delivery System (DDS)
- Complete multi-room audio package
- Controls a single source
- Distributes audio up to four zones
- Source can be remotely located
- Based on Wall Mount hub
- Fits most structured wiring systems
- 30 Watt Digital Amp
- Super Bright OLED Display
- Studio Slim Design
- Fits in Decora Plate

Order: D5SHK

International Order: D5SHKE



GENERAL INFO:

- (1) Wall Mount 1x4 Hub
- (1) Wall Mount Power Supply
- (1) Mini Remote
- (1) 283D Emitters
- (4) DIGI-5 Keypads
- (1) Local Source Input Plates
- (1) 110 Punch-Down Tool



D5KPZK Single-Zone DDS kit

- Uses economical Category-5 cabling
- All-digital signal path
- Pure Class-D digital amplifier built into keypad (up to 24 Watts/channel RMS using local power option)
- Amplifier and digital processing is built right into the keypad
- Convenient mini-remote for local control
- Color change kit available for keypad

Order: D5KP2K

International Order: D5KP2KE



DDS COMPONENTS AND ACCESSORIES

4 - SOURCE 4 - ZONE EQUIPMENT RACK HUB

FEATURES:

- Digital Delivery System (DDS)
- Digital coax audio inputs
- Analog Left & Right audio inputs
- Audio input level control
- Audio clipping indicators
- Serial RS-232 control port
- Paging & Doorbell compatible
- IR emitter outputs
- Zone pairing for combining keypads in a zone
- Zone power output for longer distances
- Expansion capability



Order: D5RH

INTERNATIONAL: Order: D5RHE

GENERAL INFO:

- ~120V 50/60Hz Power Supply: 240W max.
- Dimensions: 17"W x 14.25"D x 2.41"H
- Optional RM1UKIT rack ears available

6-ZONE EQUIPMENT RACK EXPANSION HUB

FEATURES:

- Digital Delivery System (DDS)
- Audio Loop-Thru connection from master hub
- Audio input level control
- Serial RS-232 control port
- IR emitter outputs
- Zone pairing for combining keypads in a zone
- Zone power output for longer distances



Order: D5XH

INTERNATIONAL: Order: D5XHE

GENERAL INFO:

- ~120V 50/60Hz Power Supply: 240W max.
- Dimensions: 17"W x 14.25"D x 2.41"H
- Optional RM1UKIT rack ears available

4 - SOURCE 4 - ZONE WALL MOUNT HUB

FEATURES:

- Digital Delivery System (DDS)
- 4 Source 110 punch-down inputs
- 4 Zone 110 punch-down outputs
- 4 Source Loop-Thru, expansion capable
- Zone power output for longer distances
- Serial RS-232 control port

Order: D5SH4

GENERAL INFO:

- Requires D5PS Power Supply
- Requires D5IP Source Input Plate
- Mounting Holes: 6" Width, 4" Height (structured wiring enclosed compatible)
- Dimensions: 6.50"W x 1.89"D x 6.80"H



SINGLE - SOURCE 4 - ZONE WALL MOUNT HUB

FEATURES:

- DIGI-5 Technology
- Single Source 110 punch-down inputs
- 4 Zone 110 punch-down outputs
- Single Source Loop-Thru, expansion capable
- Zone power output for longer distances
- Serial RS-232 control port

Order: D5SH

GENERAL INFO:

- ~120V 50/60Hz Power Supply: 240W max.
- Dimensions: 17"W x 14.25"D x 2.41"H



WALL MOUNT POWER SUPPLY with Local power supply

FEATURES:

- Universal input 100 to 240VAC, 50 to 60Hz
- Incredible efficiency (up to 89%)
- Standard IEC power cord compatible
- Over Voltage protection
- Over temperature protection
- Standard IEC power cord compatible

Order: D5PS

International Order: D5PSE

GENERAL INFO:

- 24VAC, 8.3A rated
- Intended for Wall Mount hubs
- Mounting Holes: 6" Width, 3" Height (structured wiring enclosure compatible)
- Dimensions: 6.55"W x 1.74"D x 4.50"H



LOCAL SOURCE INPUT PLATE

FEATURES:

- Digital coax audio inputs
- Analog Left & Right audio inputs
- Audio input level control
- IR emitter output
- RJ45 Connection

Order: D5IP

Order: D5IPE

GENERAL INFO:

- Decora style, fits into a single-gang box
- European version available



LOCAL SOURCE INPUT PLATE with Power connector

FEATURES:

- Digital coax audio inputs
- Analog Left & Right audio inputs
- Audio input level control
- IR emitter output
- RJ45 Connection
- 3.5mm power connector

Order: D5IP2



DIGITAL DELIVERY SYSTEM KEYPAD AND DIGITAL AMPLIFIER

FEATURES:

- Digital Delivery System (DDS)
- Built-in digital amplifier
- Source selection control
- Volume level control
- Bass, treble, balance control
- Back-lit buttons with timeout control
- RJ45 Connection
- 30 Watt Digital Amp

DDS Keypad Order: D5KP

GENERAL INFO:

- Decora style, fits into a single-gang box



DIGITAL DELIVERY SYSTEM KEYPAD AND DIGITAL AMPLIFIER UK/EU VERSION

FEATURES:

- Digital Delivery System (DDS)
- Built-in digital amplifier
- Source selection control
- Volume level control
- Bass, treble, balance control
- Back-lit buttons with timeout control
- 30 Watt Digital Amp

GENERAL INFO:

- Fits into a single-gang Legrand® or standard UK back-box



INTERNATIONAL: Order: D5KPE

DIGITAL DELIVERY SYSTEM KEYPAD COLOR KIT

FEATURES:

- Includes Additional Screwless Trim Plate & Bezel
- Black, Almond, & Ivory color
- Color Kit for D5KP DDS KEYPAD

Order: D5KCK

INTERNATIONAL: D5KCK1E

MINI REMOTE

FEATURES:

- Palm-sized remote control
- Source selection functions
- Volume control functions
- MUTE and POWER functions
- Includes Lithium battery

Order: D5MR



ADVANCED LEARNING REMOTE

FEATURES:

- Hand-held remote control
- Programmable four source
- Compatible with all major components
- Pre-programmed with DIGI-5 controls
- Compatible with all major components
- Dedicated DIGI-5 volume and source controls
- 3 IR macro function buttons

Order: D5LR

GENERAL INFO:

- Includes batteries
- Built-in IR code library



1U RACK EAR KIT

FEATURES:

- For use with 19" Equipment Rack hubs
- Easy to install

Order: RM1UKIT

GENERAL INFO:

- Includes left and right ears and hardware

D5LP DDS local power supply

24 VDC power supply connects to the D5IP2 and D5IPE to power a Xantech D5KP keypad to full output: up to 48 Watts total.

Comes with international voltage adapters

Order: D5LP



Amplifiers



It was inevitable that Xantech would be asked to provide a line of high-performance audio amplifiers. Based on our reputation in control devices and other areas, a growing number of system integrators depending on the brand for their other diverse installation needs saw the value in maintaining a high level of excellence throughout the entire system chain by keeping it "all Xantech." Xantech responded with a best-selling line of amplifiers combining the build quality and reliability of commercial amplification with the high-end sound quality demanded in residential multi-channel installations.

True to their lineage, Xantech amplifiers boast unique features and capabilities. Selected models have comprehensive IR and other control interface features. Some have bridgeable outputs for maximum flexibility. And all of them are exceptionally stable under demanding operating conditions. Whatever your audio system application need, there's a Xantech amplifier that can meet it and fully exceed your expectations.

AMPLIFIER FEATURE CHART

FEATURE	PA1235	PA1235X	PA635	PA635X	PA435X	PA4100X
Selectable Channel Modes Mode 1	6 stereo, 35 Watts/ch	6 stereo, 35 Watts/ch	3 stereo, 35 Watts/ ch	3 stereo, 35 Watts/ch	2 stereo, 35 Watts/ch	2 stereo, 100 Watts/ch
Mode 2	4 stereo, 35 Watts/ ch and 1 stereo, 80 Watts/ch bridged	4 stereo, 35 Watts/ ch and 1 stereo, 80 Watts/ch bridged	1 stereo, 35 Watts/ch and 1 stereo, 80 Watts/ch bridged	1 stereo, 35 Watts/ch and 1 stereo, 80 Watts/ch bridged	1 stereo, 80 Watts/ch bridged	
Mode 3	2 stereo, 35 Watts/ch and 2 stereo, 80 Watts/ch bridged	2 stereo, 35 Watts/ ch and 2 stereo, 80 Watts/ch bridged	3 mono, 80 Watts/ch bridged	3 mono, 80 Watts/ch bridged		
Mode 4	3 stereo, 80 Watts/ch bridged	3 stereo, 80 Watts/ch bridged				
Front panel status LED	Yes	Yes	Yes	Yes	Yes	Yes
IR controlled level, balance & mute for each channel. pair?	Yes	No	Yes	No	No	No
Common input buss individually selectable for each stereo amp?	Yes	No	Yes	No	No	No
On/Off control of each stereo amp	IR and DC Voltage	Main power only	IR and DC Voltage	Main power only	DC Voltage	DC Voltage
Low Impedance Capability	Each amplifier is 4-Ohm rated. This means two pair of 8-Ohm speakers can be driven safely in each zone.					
Auto Protection	Each channel is protected separately if a short or very low impedance is detected at the speaker terminals. Operation is restored after the short is removed.					
Rack Mountable	3 x 19" rack spaces	3 x 19" rack spaces	2 x 19" rack spaces	2 x 19" rack spaces	N/A	N/A
Requires RC68X Programmer for IR control	Yes	N/A	Yes	N/A	Yes	N/A
Power Output	Rated continuous power, each channel 8 Ohms 35 Watts. (all channels simultaneously driven, 20 Hz to 20kHz at rated THD, 8 Ohms)100 Watts RMS					100 Watts RMS
Short Term Continuous Power	Each channel: 8 Ohms, 55 Watts (2 channels driven, 1 kHz, at rated THD) or 4 Ohms, 80 Watts.					150 Watts RMS
Bridged Power Output	8 Ohms, 150 Watts (Short term continuous, one pair driven, 1 kHz, at rated output power)					N/A
THD	Rated THD < 0.08%, Damping Factor: (@ 50Hz, 8 Ohms, rated power) > 100, S/N Ratio: A-Weighted (ref. to rated power) > 96dB					
Input Sensitivity	0.2V - 3.3V					
Remote Trigger Voltage	+5 +30VDC					
Power Supply	120 VAC, 60Hz; 240 VAC, 50Hz (European version)					
Directly interfaces to MRC88CTL	No			Yes	Yes	
Intelligent cooling	No					Yes
Dimensions	19" W x 15" D x 5" H (429mm x 126mm x379mm)	19" W x 15" D x 5" H (429mm x 126mm x379mm)	17" W x 15" D x 3.75" H (429mm x 94mm x 379mm)	17" W x 15" D x 3.75" H (429mm x 94mm x 379mm)	17" W x 4" H x 11.5" D (432mm x 102mm x292mm)	17" W x 6" H x 13" D (432mm x 153mm x331mm)
Weight	37 lbs (16.8 kg)	36.85 lbs (16.7 kg)	22.3 lbs (10.1 kg)	22.3 lbs (10.1 kg)	20.4 lbs (9.3 kg)	35.4 lbs (16.1kg)

AMPLIFIERS WITH IR

12 CHANNEL POWER AMPLIFIER WITH IR

PA1235 FEATURES:

- 35 Watts per channel (bridgeable)
- Selectable channel modes
- Adjustable input sensitivity
- DC Voltage controlled (main power)
- Auto protection
- Rack mountable
- Also available in 230 VAC / 50 Hz.
- IR controlled level, balance and mute
- Local or common buss input switching
- IR and DC Voltage controlled
- Requires RC68X programmer for IR control

Order: PA1235 International Order: PA123577



SIX CHANNEL POWER AMPLIFIER WITH IR

PA635 FEATURES:

- 35 Watts per channel (bridgeable)
- Selectable channel modes
- Adjustable input sensitivity
- DC Voltage controlled (main power)
- Auto protection
- Rack mountable
- Also available in 230 VAC / 50 Hz.
- IR controlled level, balance and mute
- Local or common buss input switching
- IR and DC Voltage Controlled
- Requires RC68X programmer for IR control

Order: PA635 International Order: PA63577



AMPLIFIERS

12 CHANNEL POWER AMPLIFIER

PA1235X FEATURES:

- 35 Watts per channel (bridgeable)
- Selectable channel modes
- Adjustable input sensitivity
- DC Voltage controlled (main power)
- Auto protection
- Rack mountable
- Also available in 230 VAC / 50 Hz.

Order: PA1235X International Order: PA1235X77



SIX CHANNEL POWER AMPLIFIER

PA635X FEATURES:

- 35 Watts per channel (bridgeable)
- Selectable channel modes
- Adjustable input sensitivity
- DC Voltage controlled (main power)
- Auto protection
- Rack mountable
- Also available in 230 VAC / 50 Hz.

Order: PA635X

International Order: PA635X77



100 WATT FOUR-CHANNEL POWER AMPLIFIER

- DC Voltage controlled (main power)
- Adjustable input Sensitivity
- Front panel status LED's
- Directly interfaces with the MRC88CTL via stereo mini-plug allowing power control and muting
- Intelligent, temperature controlled cooling
- Also available in 230 VAC / 50 Hz.

Order: PA4100X

International Order: PA4100X77



35 WATT FOUR-CHANNEL POWER AMPLIFIER

- 35 Watts per channel (Bridgeable)
- Selectable Channel Modes
- Adjustable input Sensitivity
- DC Voltage Controlled (main power)
- Directly interfaces with MRC systems
- Also available in 230 VAC / 50 Hz.

Order: PA435X

International Order: PA435X77



Speakers



Xantech speakers are designed to the same high standards as our multi-zone distribution systems. Three different driver sizes and a variety of configurations make it easy to match the right Xantech speaker to virtually any job. The popular and flexible 6.5" speaker size is available as an in-wall, in-ceiling, and stereo in-ceiling model.

Xantech loudspeakers are the result of Xantech's commitment to build the best speakers possible. In their quest for perfection, Xantech engineers examined every aspect of their performance and design, from electronic components to structural materials, even how they interact with the home environment. The result: flawless performance not previously thought possible from a high-value installed speaker.

XC SPEAKERS

Features:

- Stiff, light, mineral-filled polypropylene woofer cones.
Improved smoothness and frequency extension.
- Aluminum woofer voice coils allow for increased power handling and long term reliability. A rubber half-roll surround dampens the cone for long-term reliability.
- Pivotal silk dome tweeter. Wide dispersion design and Ferro-fluid cooling for long term listening pleasure.
Capable of reproducing sounds in the extended frequency range.
- Custom-voiced crossover network assures that all the components of the speaker system blend to create the best possible acoustic experience.
- Easy-lock tabs for simple installation
- Spring clips
- Paintable grill and frame
- Limited Lifetime Warranty

6.5" XC CEILING SPEAKER PAIR

XC65C Specifications:

- Driver size: 6.5" Woofer / 19mm Tweeter
- Recommend Amplifier Power: 10-50 Watts
- Frequency Response: 55Hz-20kHz
- Impedance: 8-Ohm
- Sensitivity (1Watt/1Meter): 88dB
- Overall Dimensions: 9.25" DIA. x 4.25" Depth (235mm x 108mm)
- Cut-Out Size: 8.05" DIA. (204mm)

Order: XC65C



6.5" XC IN-WALL SPEAKER PAIR

XC65W Specifications:

- Driver size: 6.5" Woofer / 19mm Tweeter
- Recommend Amplifier Power: 10-50 Watts
- Frequency Response: 55Hz-20kHz
- Impedance: 8-Ohm
- Sensitivity (1Watt/1Meter): 88dB
- Overall Dimensions: 8.75" W x 12.25" H x 3.5" Depth (222mm x 311mm x 89mm)
- Cut-Out Size: 7.28" W x 10.70" H (185mm x 272mm)

Order: XC65W



6.5" XC STEREO CEILING SPEAKER EACH

XC65CS Specifications:

- Driver size: 6.5" Dual Coil Woofer Twin 25mm Tweeters
- Recommend Amplifier Power: 10-50 Watts
- Frequency Response: 55Hz-20kHz
- Impedance: 8-Ohm
- Sensitivity (1Watt/1Meter): 89dB
- Overall Dimensions: 9.25" DIA. x 4.25" Depth (235mm x 108mm)
- Cut-Out Size: 8.05" DIA. (204mm)

Order: XC65CS



8" XC CEILING SPEAKER PAIR

XC8C Specifications:

- Driver Size: 8" Woofer / 22mm Tweeter
- Recommended Amplifier Power: 10-75 Watts
- Frequency Response: 42Hz-20kHz
- Impedance: 8-Ohm
- Sensitivity (1Watt/1Meter): 88dB
- Overall Dimensions: 10.98" DIA. x 4.01" Depth (279mm x 102mm)
- Cut-Out Size: 9.40" DIA. (238mm)

Order: XC8C



XS6C/D5C8 6.5-in ceiling speaker kit

With Xantech's Digital Delivery System efficient, high-performance amplifier technology, cost-per-Watt-per-room for a multi-room audio system is lower than ever. To add even more value to the equation Xantech offers the D5C8 installer-series speaker package consisting of a master-pack of four pairs of high-quality XS6C ceiling speakers—perfect for finishing any four-zone DDS installation. Note: the XS6C speaker is available in four-pair/eight-speaker kits as the Xantech D5C8 pack. It's ideal for use with four-zone amplified keypad systems such as Xantech's Digital Delivery System.

Features

- Multiple easy-lock clamps for a fast, secure installation to any interior surface
- Paint-friendly frame and grill for matching any décor
- Easy-connect spring terminals for quick installation and long-term integrity
- Driver complement:
 - 6.5 in/16.5cm woofer with polypropylene cone, rubber surround, and aluminum voice coil.
 - .75 in/19mm polydome tweeter with neodymium magnet and Ferrofluid® cooling

Specifications

- Frequency response: 50Hz – 20,000Hz
- Sensitivity (1Watt/1meter): 88dB
- Recommend amplifier power: 10 Watts RMS minimum
- Power handling: 50 Watts RMS
- Nominal impedance: 8 Ohms
- Dimensions:
 - Width: 9.25 in/25.5 cm
 - Height: 9.25 in/23.5 cm
 - Depth: 4.25 in/11.5 cm
- Cut-Out Size: 8.05" DIA.
(204mm)
- Shipping weight (pair):
9 lbs/4 kg

Order: D5C8 (8-pack)



XOD WEATHER RESISTANT SPEAKERS

General Features:

- Locking and pivoting bracket that allows it to blend into any environment while making installation fast and simple. Smooth and sleek design reduces dust and dirt buildup, preserving overall look and performance.
- Rust-proof aluminum grill is securely attached with commercial grade adhesives which protect the drivers from the elements.
- Ported design allows improves efficiency and bass; a harsh environment plug protects internal components. Gold-plated wire posts withstand harsh outdoor elements.
- Two-way speaker design composed of a Teteron dome tweeter and an injection molded graphite (IMG) woofer. Constructed with an advanced neodymium magnet, the woofer features a large voice coil for extended low-frequency performance in outdoor locations.
- Limited Lifetime Warranty

6.5" XOD OUTDOOR SPEAKER PAIR

White - XOD65W Specifications:

- Driver Size: 6.5" Woofer/28mm Tweeter
- Recommended Amplifier Power: 10-120 Watts
- Frequency Response: 55Hz-20kHz
- Impedance: 8 Ohm
- Sensitivity (1 Watt/1 Meter): 90 dB
- Overall Dimensions: 8.5" W x 12" H x 7.5" L

Order: XOD6



Volume Controls & Speaker Selectors



As the interface between an amplifier and a speaker, a volume control or a selector is the “final gatekeeper” of audio quality in any distributed sound system since everything passes through them on the way to the listener. It’s not a place for compromises. Which is why Xantech offers a premium line of volume controls and speaker selectors designed to maintain absolute sonic neutrality while delivering total, reliable control over sound output.

Xantech volume controls were among the first used in high-end custom installations going back several decades, when the concept was brand new. Most of those controls are still in use, providing undistorted, clean sound with no audible artifacts. When installing for the long-haul, remember that Xantech is the brand designed to meet or exceed your toughest requirements throughout the system chain—and especially at the end, where signal turns into sound and control and clarity are critical.

VOLUME CONTROLS

100 WATT ROTARY DECORA VOLUME CONTROL

- Power handling: 100 W/channel RMS
- For use with an amplifier of equal or lesser power rating only
- Adjustable impedance matching for up to 8 speaker pairs (1,2,4,8 pairs)
- Almond, Black, Ivory and White Decora inserts and knobs included in box
- UL Listed
- RoHS compliant



Order: XVC100

50 WATT ROTARY VOLUME CONTROL

- Power handling: 50 W/channel RMS
- For use with an amplifier of equal or lesser power rating only
- Adjustable impedance matching for up to 8 speaker pairs (1,2,4,8 pairs)
- White Almond, Ivory, and Black faceplate and knob included
- UL Listed
- RoHS compliant



Order: XVC50P

VOLUME CONTROLS

50 WATT ROTARY DECORA VOLUME CONTROL

- Power handling: 50 W/channel RMS
- For use with an amplifier of equal or lesser power rating only
- Adjustable impedance matching for up to 8 speaker pairs (1,2,4,8 pairs)
- Almond, Black, Ivory and White faceplates and knobs included in box
- UL Listed
- RoHS compliant



Order: XVCD50P

REMOTE AUTO TRANSFORMER

- The RAT1 is an infrared remote controlled stereo speaker volume control with impedance matching capability.
- 10-position, relay driven, stepped auto transformer design
- Tri-Fi™ winding system for highest quality audio performance
- Includes plug-in type screw terminals
- Independent grounds between channels
- Easily mounted “flat pack” design
- Requires 782ERGPS Power Supply and RC68 IR Programmer
- Requires MIRV1 to Control Volume



Order: RAT1

SPEAKER SELECTORS

SIX PAIR, TWO SOURCE SPEAKER SELECTOR

- Power handling: 50 Watts per channel RMS; 150 Watts peak
- Selectable impedance matching for 1, 2, 3/4, or 5/6 speaker pairs
- Compatible with 4-Ohm or 8-Ohm speaker systems
- Allows switching between two amplified source inputs
- Individual room on/off selector switches
- 12-step volume control; 42dB maximum attenuation
- Isolated inputs for compatibility with all amplifiers
- Screw terminal WECO connectors included for 12-22 gauge wire

Order: XSS26100W



FOUR PAIR, TWO SOURCE SPEAKER SELECTOR

- Power handling: 50 Watts per channel RMS; 150 Watts peak
- Selectable impedance matching for 1, 2, or 3/4 speaker pairs
- Compatible with 40ohm or 8 Ohm speaker systems
- Allows switching between two amplified source inputs
- Individual room on/off selector switches
- 12-step volume control; 42dB maximum attenuation
- Isolated inputs for compatibility with all amplifiers
- Screw terminal WECO connectors included for 12-22 gauge wire

Order: XSS24100W



REMOTE SPEAKER SWITCHER

The 686-10 is a stand alone speaker switcher. It allows the installer and user to turn six pairs of speakers ON and OFF using RC68X IR commands.

- Allows local or global command of speaker control.
- Requires 782ERGPS Power Supply
- Requires RC68X IR Programmer

Order: 68610



REMOTE A/B SPEAKER RELAY MODULE

- Stand alone remote controlled A/B speaker switcher
- Connects one amplifier to an 'A' or 'B' speaker pair
- Connects one speaker pair to either an 'A' or 'B' amplifier
- 5 amp/30VDC current rated relay
- IR input terminals
- IR code select switch
- Requires 781ERGPS or 782ERGPS Power Supply
- Requires RC68X IR Programmer

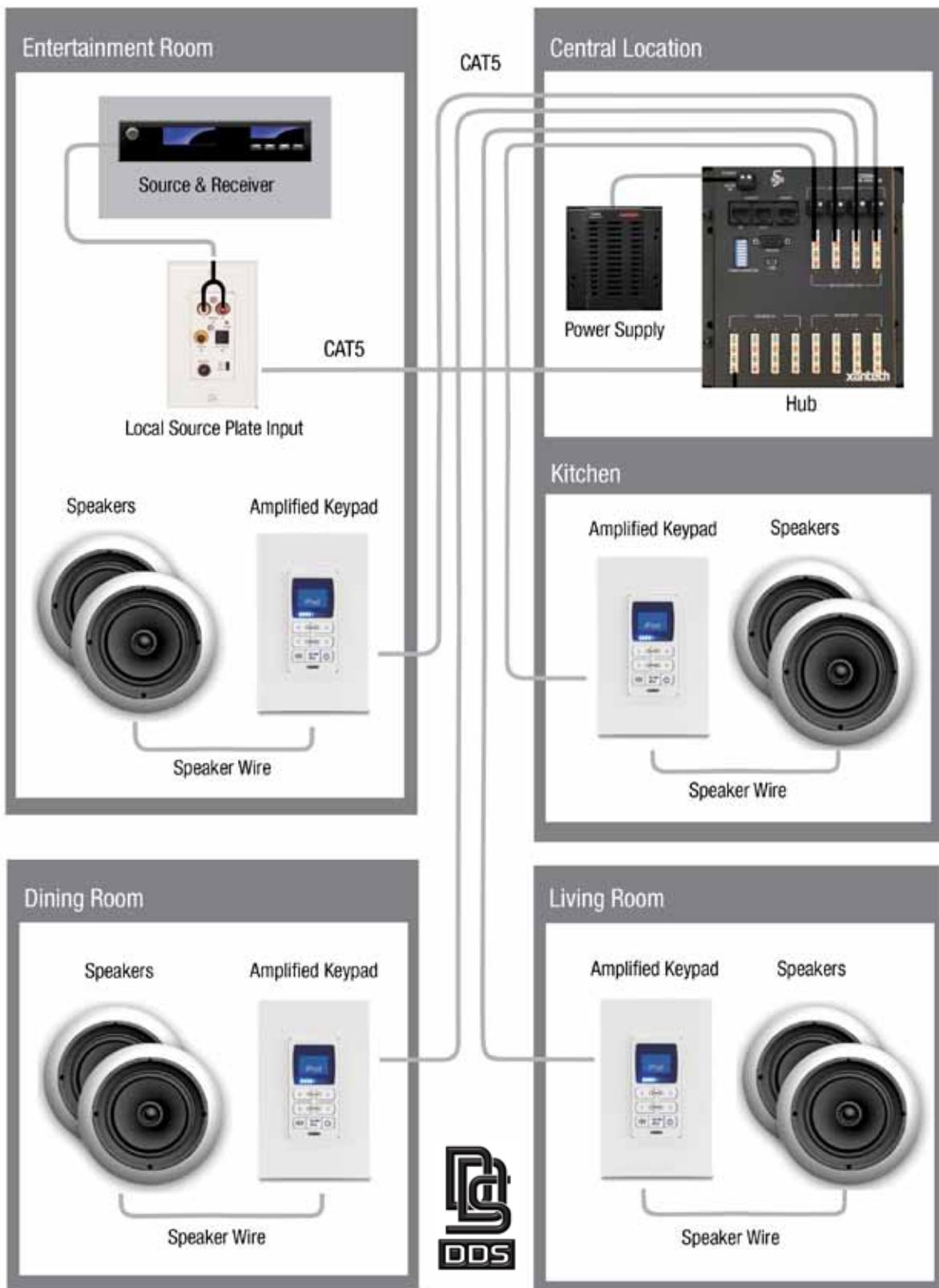
Order: SR21



Applications



DIGITAL AUDIO DISTRIBUTION



Distribute audio to 4 locations. The master hub is centrally located whereas the source material can be conveniently placed in the entertainment center. DDS technology delivers high-power amplification negating the need for special high efficiency speakers.

Product Shown: D5SHK4

HD VIDEO DISTRIBUTION DIAGRAM 1

HDTXSG01 - HDRXSG01 System

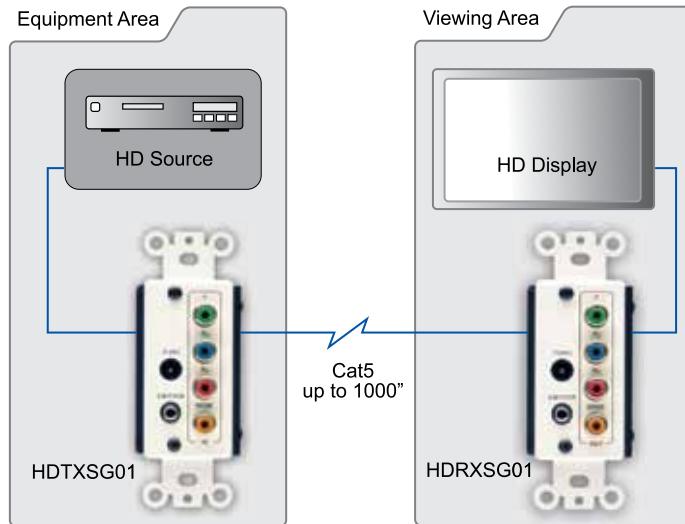
HDTXSG01

J-box HD Transmitter p42

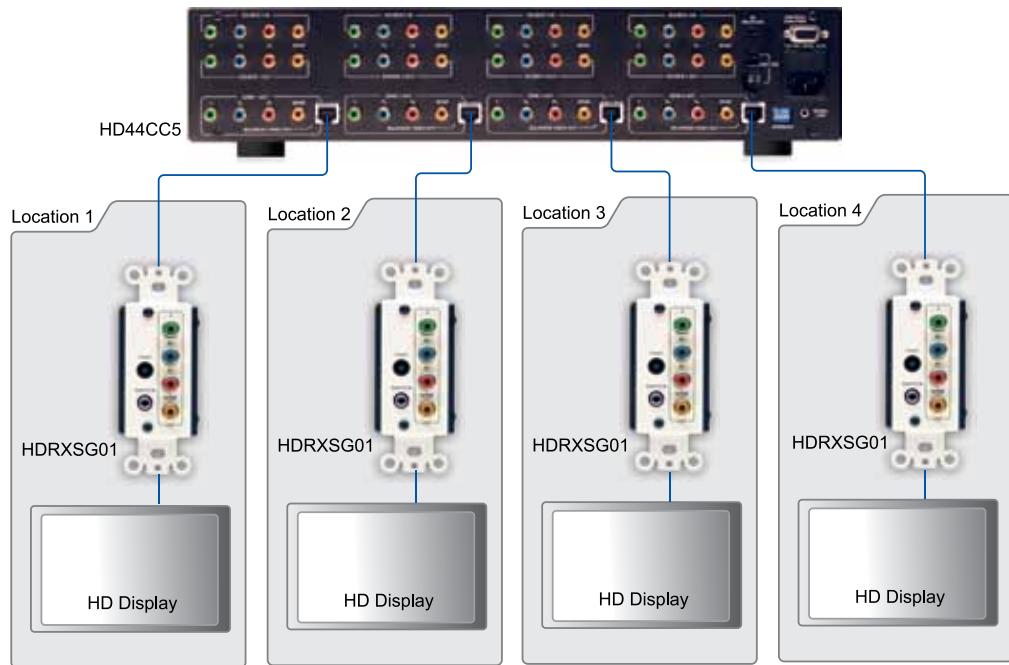
HDRXSG01

J-box HD Receivers p42

The HDTXSG01-HDRXSG01 System allows locating an HD Source up to 1000' away from an HDTV for a clean uncluttered look.



HD VIDEO DISTRIBUTION DIAGRAM 2



The HD44CC5 can send any one or all of 4 HD video sources and digital audio to any one or all of 4 locations over Cat5 up to 1000' away with no discernible video loss, for a whole-house multi-HD source distribution system.

HD44CC5 HD Distribution System

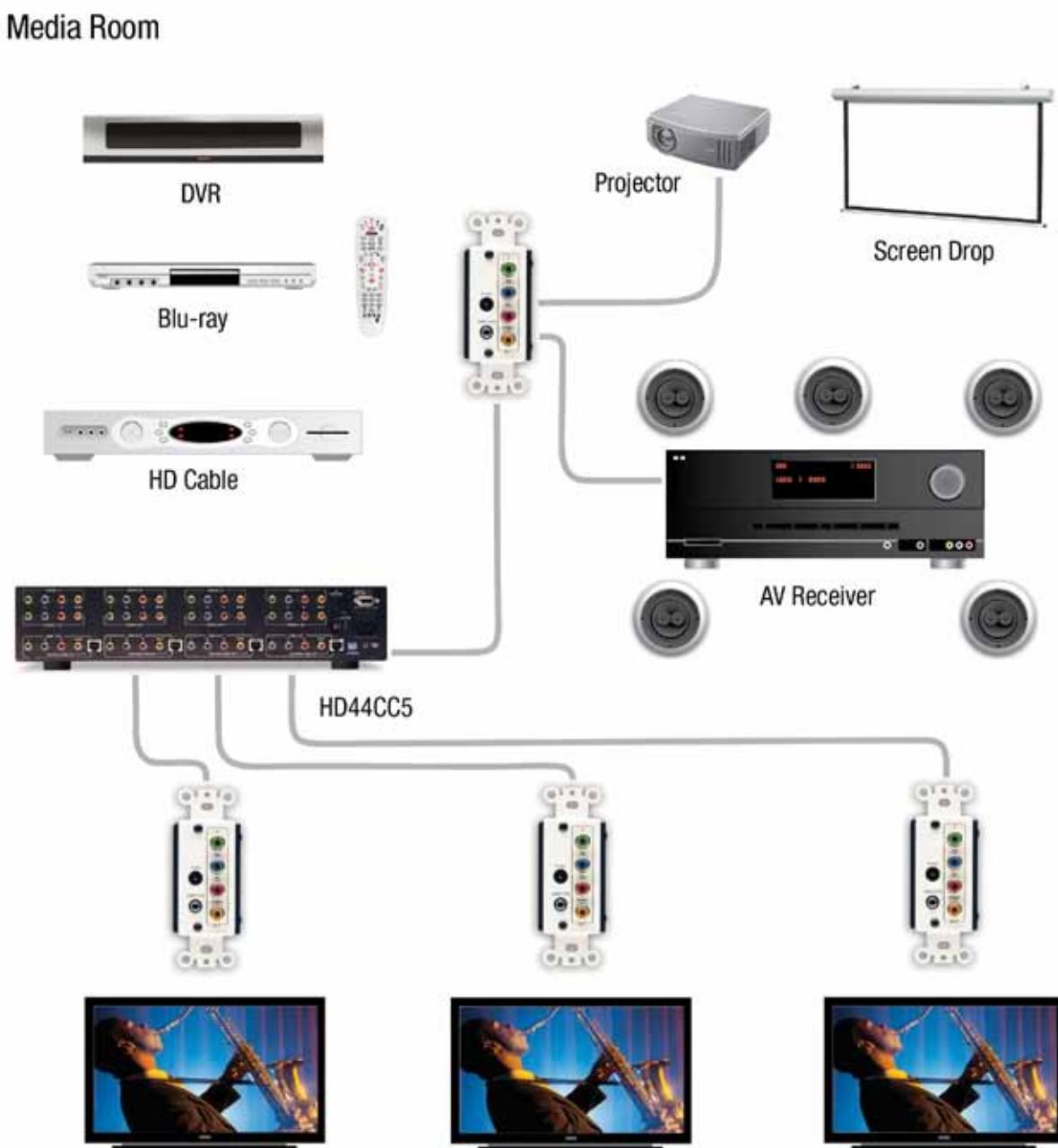
HD44CC5

4x4 HD Video/Digital Audio Matrix Switcher

HDRXSG01

J-box HD Receivers

HD VIDEO DISTRIBUTION DIAGRAM 3



From extreme gaming to HD satellite or cable TV to Blu Ray movies, the HD44CC5 delivers HD content up to 1000' over Cat5 throughout the home.

The HD44CC5 can also manage, switch and control up to four HD sources in a home theater while sharing those HD sources with three other HD TV's in separate areas of the home.

HD44CC5 HD Distribution System

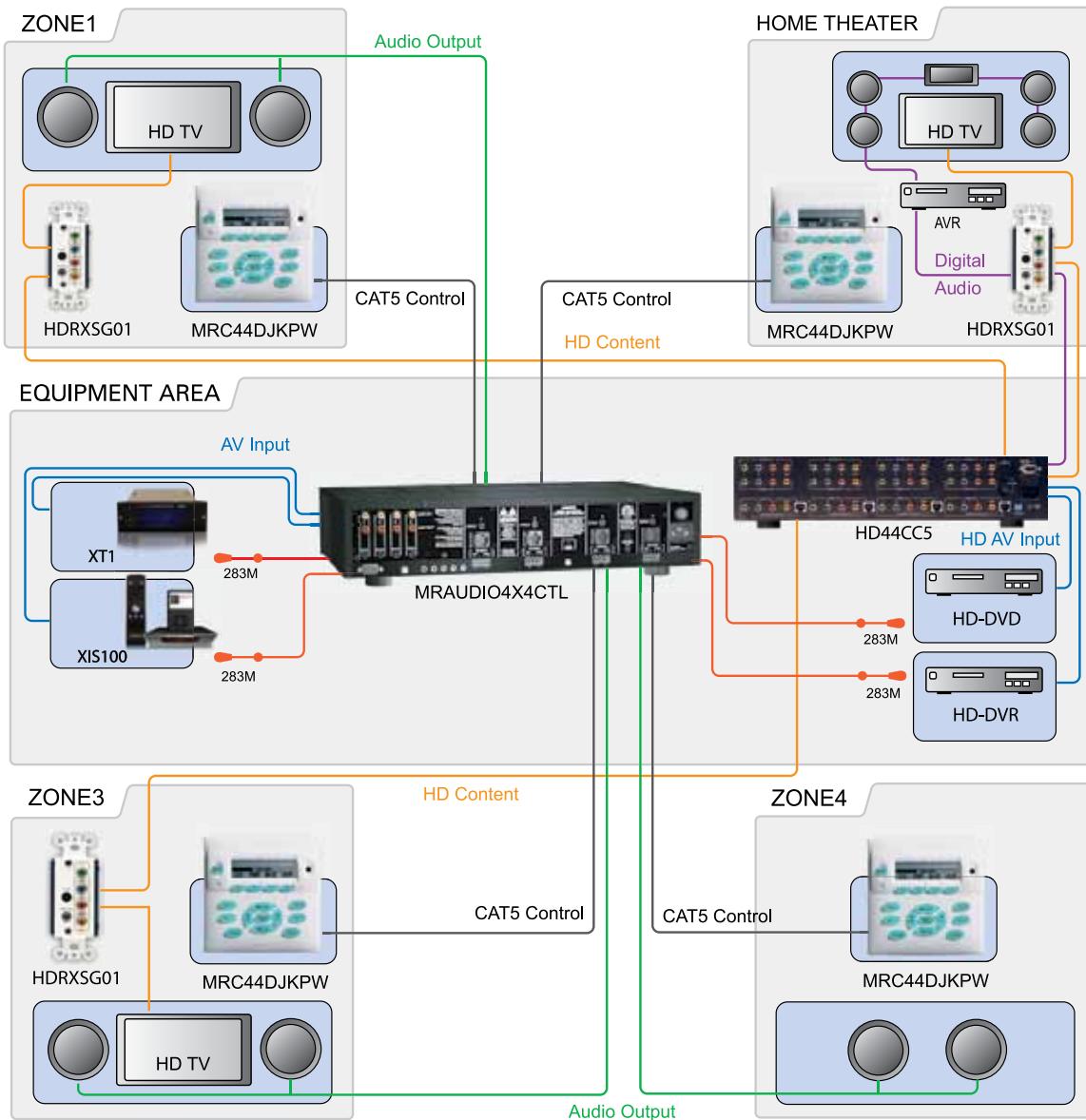
HD44CC5

Four Zone/Source HD Distributor

HDRXSG01

J-BOX HD Receivers

HD44CC5/MRAUDIO4X4CTL DIAGRAM



When combined with a MRAUDIO4X4 Four Zone/Four Source Audio Matrix, the HD44CC5 creates endless flexibility of system design. One zone can be an audio only zone for background music, while another zone receives HD video and speaker level audio while another zone is a complete home theater receiving HD video with digital audio content being pumped through a local A/V Receiver.

Tremendous flexibility and ease of use, because zone power, source select, volume and device control is all controlled from simple and elegant MRC44 Keypads.

HD44CC5/MRAUDIO4X4CTL

HD44CC5

Four Zone/Source HD Distributor

HDRXSG01

J-box HD Receivers

MRAUDIO4X4CTL

Four Zone/Source Audio Controller

MRC88DJKPW

Dual-Gang Keypad with LCD Display

A/V Components Stack

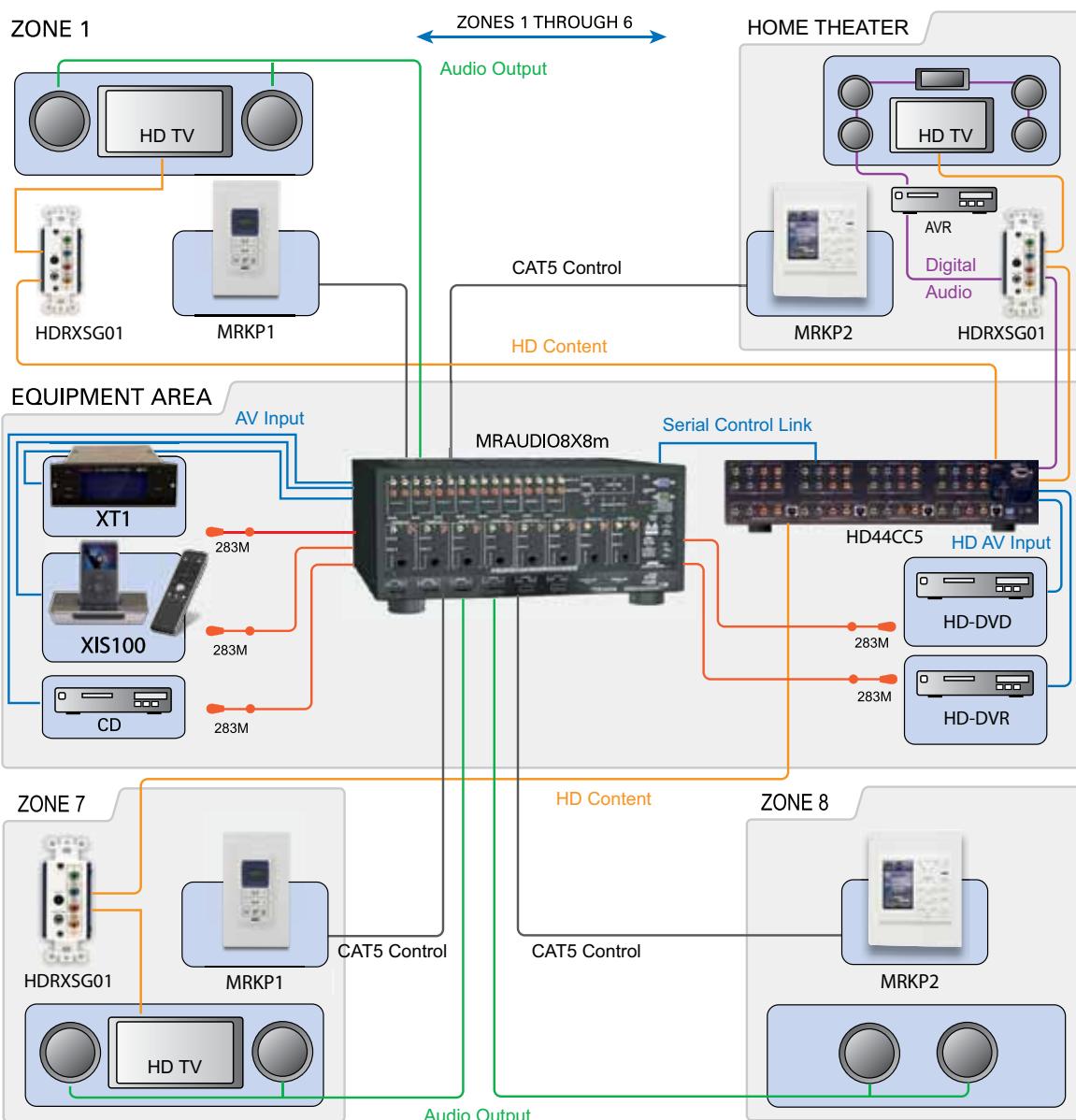
XT1

AM/FM Tuner

283M5P

Mouse Emitter five pack

HD44CC5/MRAUDIO8X8CTL DIAGRAM



When combined with a MRAUDIO8X8 the HD44CC5 provides up to eight zones* of design flexibility from audio only zones to full HD Home Theater.

HD44CC5/MRAUDIO8X8CTL

HD44CC5

Four Zone/Source HD Distributor

HDRXSG01

J-box HD Receivers

MRAUDIO8X8m

Eight Zone/Source Audio Controller

MRC88DJKPW

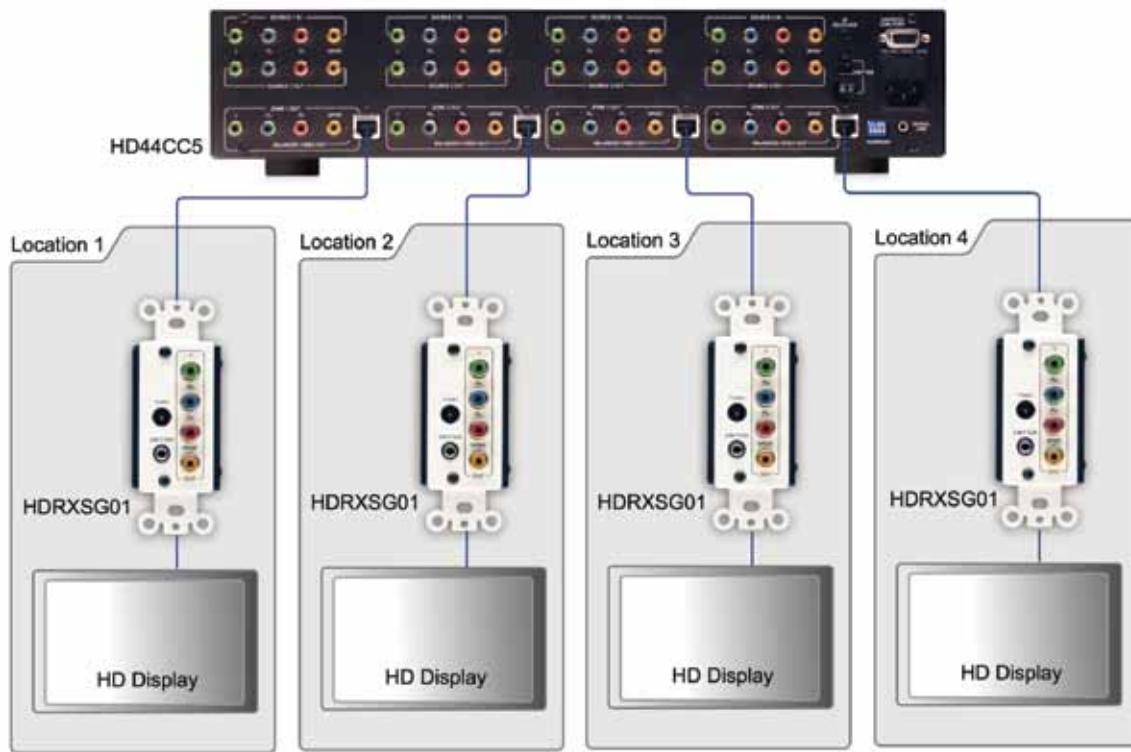
Dual-Gang Keypad with LCD Display

A/V Components Stack

XT1

AM/FM Tuner

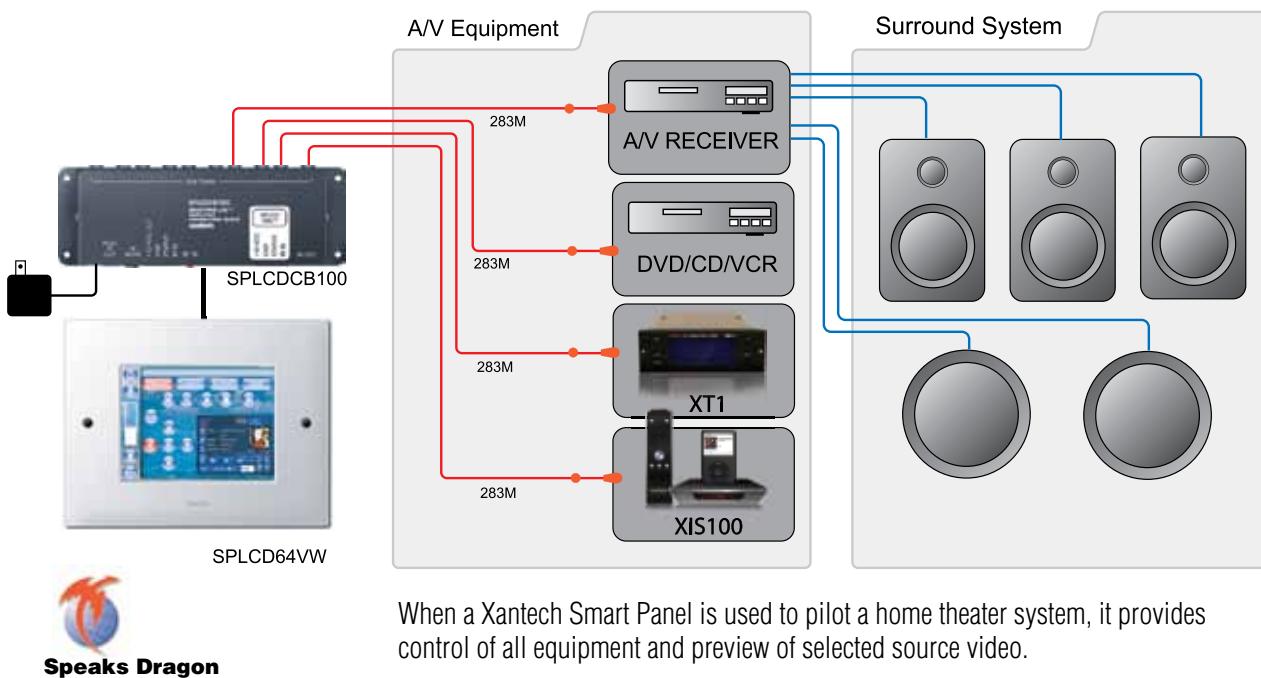
* May require two HD44CC5 units

FOUR HD SOURCES DISTRIBUTED TO FOUR AREAS OF THE HOME

Send four sources to four different areas of the home over 1000 feet of CAT5

Product Shown: HD44CC5 Matrix Controller & HDRXSG01 Receivers

BASIC SPLCD APPLICATION DIAGRAM



Speaks Dragon

When a Xantech Smart Panel is used to pilot a home theater system, it provides control of all equipment and preview of selected source video.

SPLCD TOUCHPANEL CONTROLLER

SPLCDCB100

SPLCD Connecting Block

283DM

Blink Emitter

SPLCDPS1

SPLCD Power Supply

XTC Reference

XTC Reference In-wall and In-ceiling Speakers

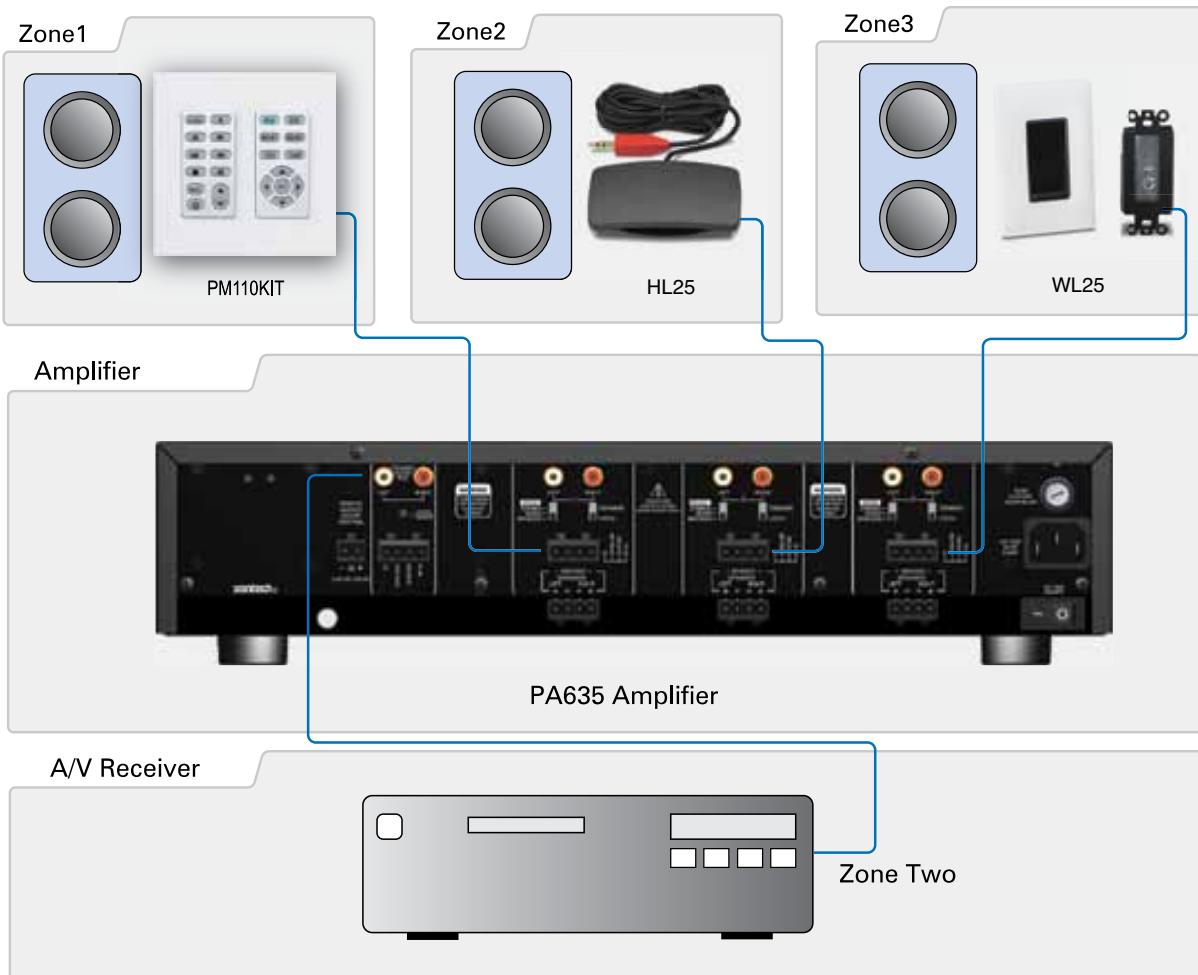
XIS100

Xantech iPod Dock

XT1

AM/FM Tuner

IN-WALL KEYPADS AND REMOTE CONTROLS



The Xantech PA635 Amp has the flexibility to drive 3 zones of stereo audio @35 Watts, 6 mono channels @35 Watts or can be bridged to create 3 mono channels @70 Watts. The PA635 also has Built IR volume control so each room can have discrete volume control

AMPLIFIER CONTROL

PA635

Six Channel Power Amplifier with IR Control

PM110KITRP

SmartPad3 Dual Gang In-Wall Learning Keypad

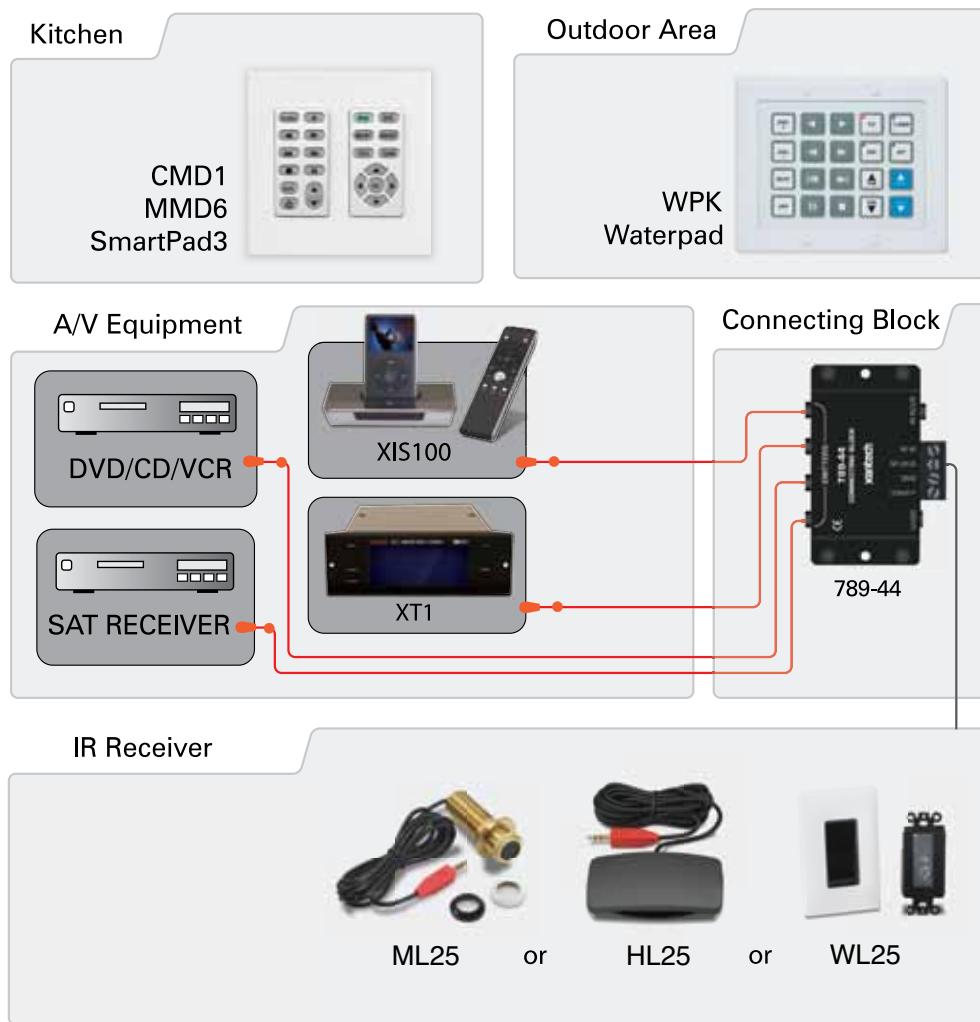
HL25

Hidden Link

WL25

Wall Link

IN-WALL KEYPADS AND REMOTE CONTROLS



This series of products offers stand alone in-wall keypads and remote controls that make it easy to control a home theater or control centrally located source components in a distributed audio or audio/video system.

IR CONTROL

PM110KITRP

SmartPad3 In-Wall Learning KeyPad

XIS100

iPod dock

XT1

AM/FM Tuner

WPK

WaterPad In-Wall KeyPad

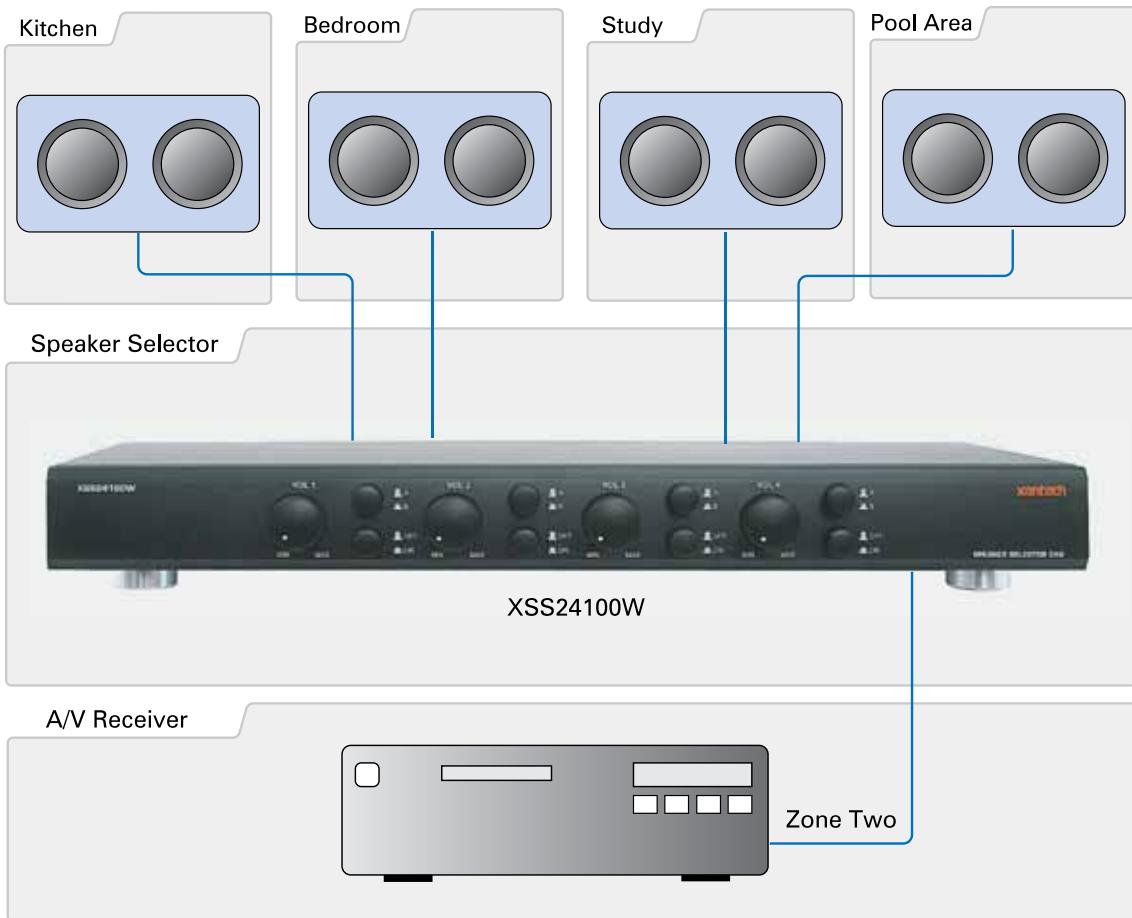
IR Receivers

Various IR Receivers

283D

Blink-IR Emitter

VOLUME CONTROLS AND SPEAKER SELECTORS



Xantech's XSS24100W Speaker selector allows simultaneous music distribution to multiple rooms from a stereo amp with continuous impedance matching and the ability to select from two sources.

SPEAKER SELECTORS

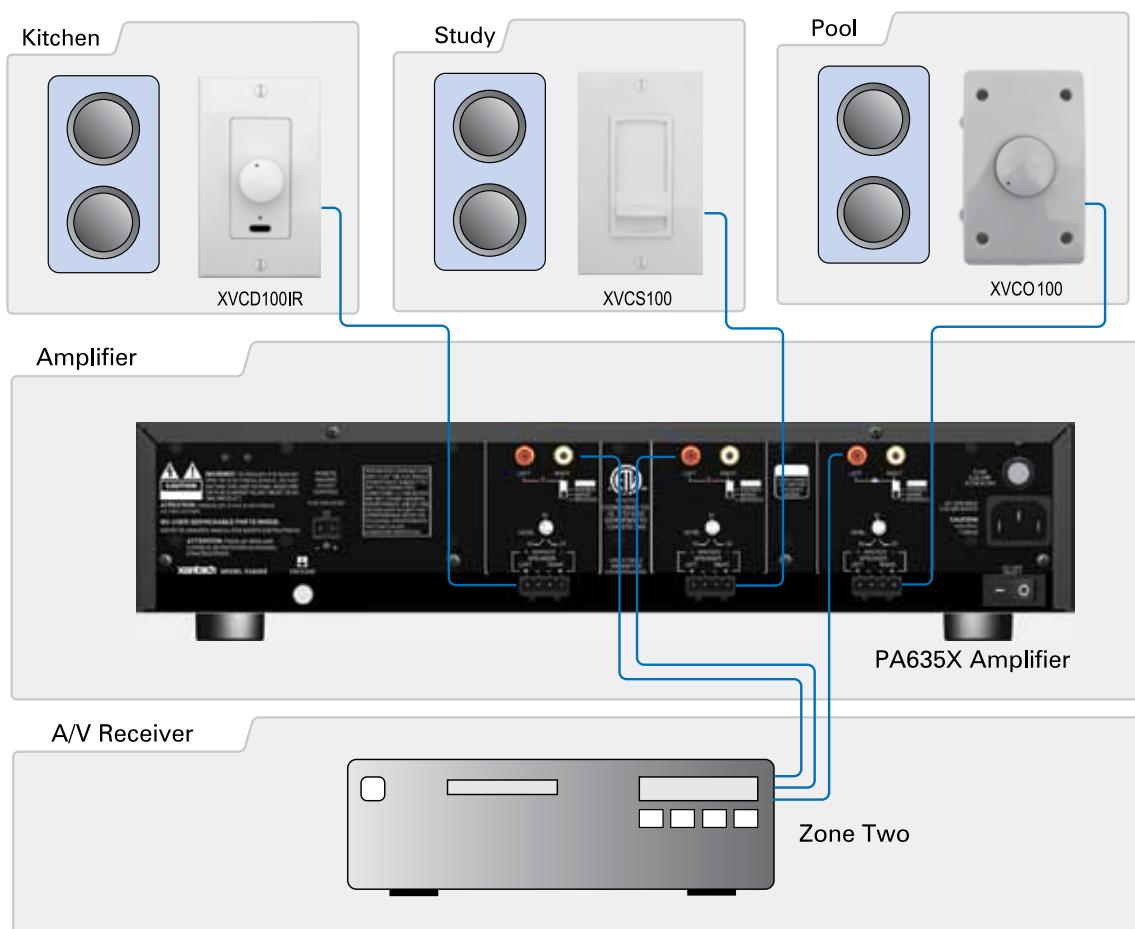
XSSD250W

Speaker Selector

XTC Speakers

Xantech Speakers

VOLUME CONTROLS AND SPEAKER SELECTORS



Using a Xantech PA635X amp & Volume Controls as shown, creates a three room system for both indoors and outdoors. Each volume control includes a variety of color inserts to match the decor of each room.

AMPLIFIER/VOLUME CONTROL SYSTEM

PA635

6-Channel Power Amp with IR

XVCD100IR

100W Rotary Power Volume Control With IR

XVCS100

100W Slider Volume Control

XVC0100

100W Out Door Volume Control

XA65C

6.5" XTC Reference Ceiling Speakers

XOD65

Xantech Outdoor Speakers

IR CONTROLLED MULTI-CHANNEL AMPLIFIERS

Amplifier Control

PA635

Six Channel IR Amplifier

PM110KITRP

SmartPad3 KeyPad Kit

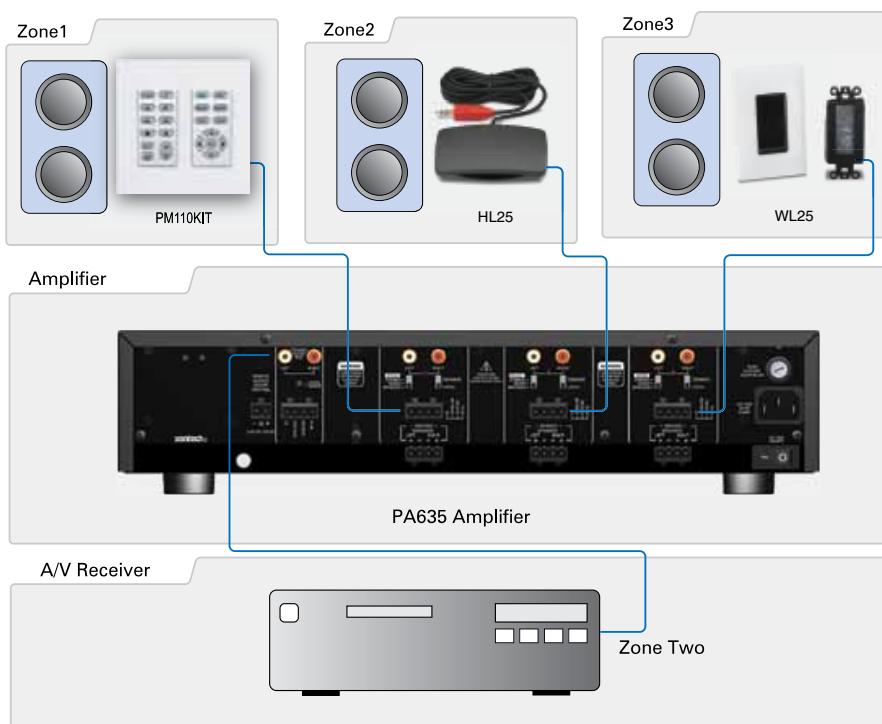
HL25

Hidden Link

WL25

Wall Link

The Xantech PA635 Amp has the flexibility to drive 3 additional rooms or 'sub-zones' of stereo audio @35 Watts, 6 mono channels @ 35 Watts or can be bridged to create 3 mono channels @70 Watts. The PA635 also has Built IR volume control so each room can have separate volumes.



MULTI-CHANNEL DISTRIBUTION AMPLIFIERS

Amplifier / Volume Control

PA635X

6-Channel Power Amp with IR

XVCD100IR

100WIR Rotary Volume Control

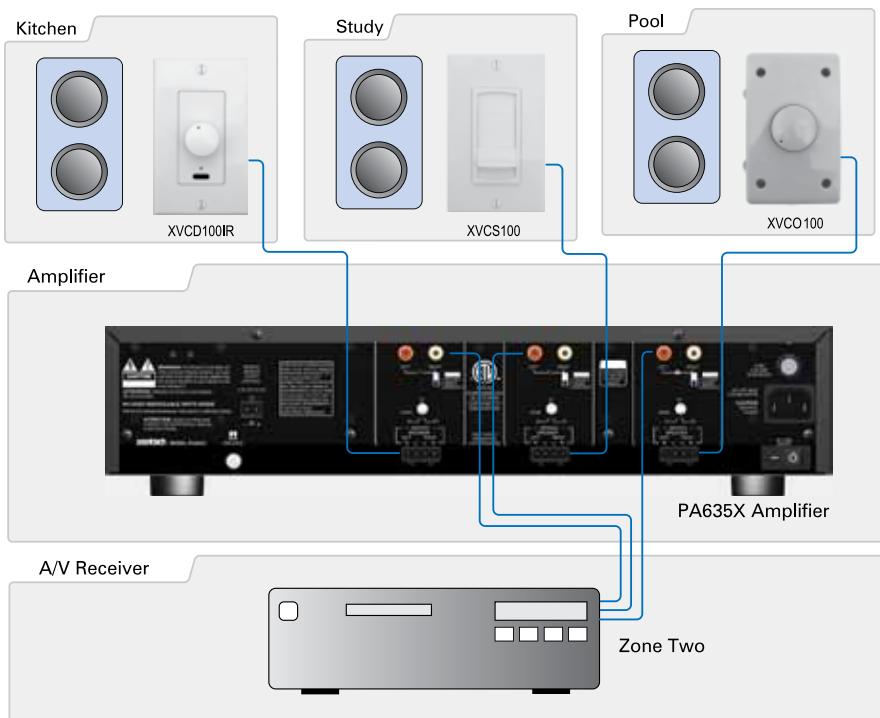
XVCS100

100W Slider Volume Control

XVC0100

100W Outdoor Volume Control

Using a Xantech PA635X amp & Volume Controls as shown, creates a three room system for both indoors and outdoors. Each volume control includes a variety of color inserts to match the decor of each room.



BASIC IR REPEATER SYSTEM

ML25
Micro Link™ IR Receiver Kit

HL25
Hidden Link™ IR Receiver Kit

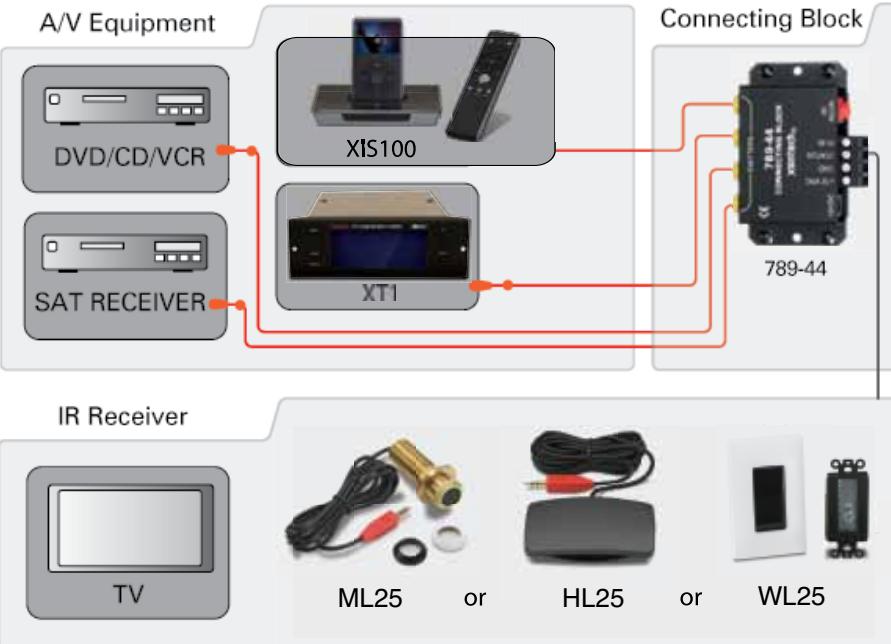
WL25
J-Box IR Receiver

789-44
Connecting Block

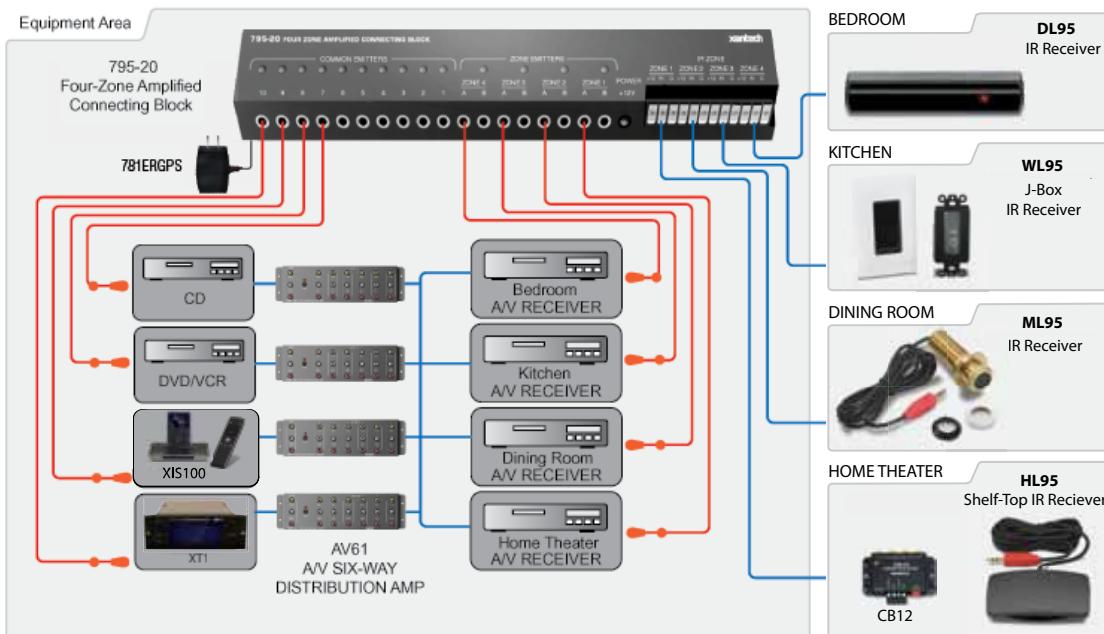
283D
Blink-IR Emitter

A/V Component Stack

XT1
Dual AM/FM Tuner



ZONE A/V SURROUND DISTRIBUTION SYSTEM



Application Diagrams intended to illustrate system capabilities. Additional items may be required. Contact Xantech technical support for further information.

A/V Component Stack

795-20
Four-Zone Amplified Connecting Block

DL95
Plasma Friendly Micro Link™ IR Receiver

HL95
Plasma Friendly Hidden Link™ IR Receiver

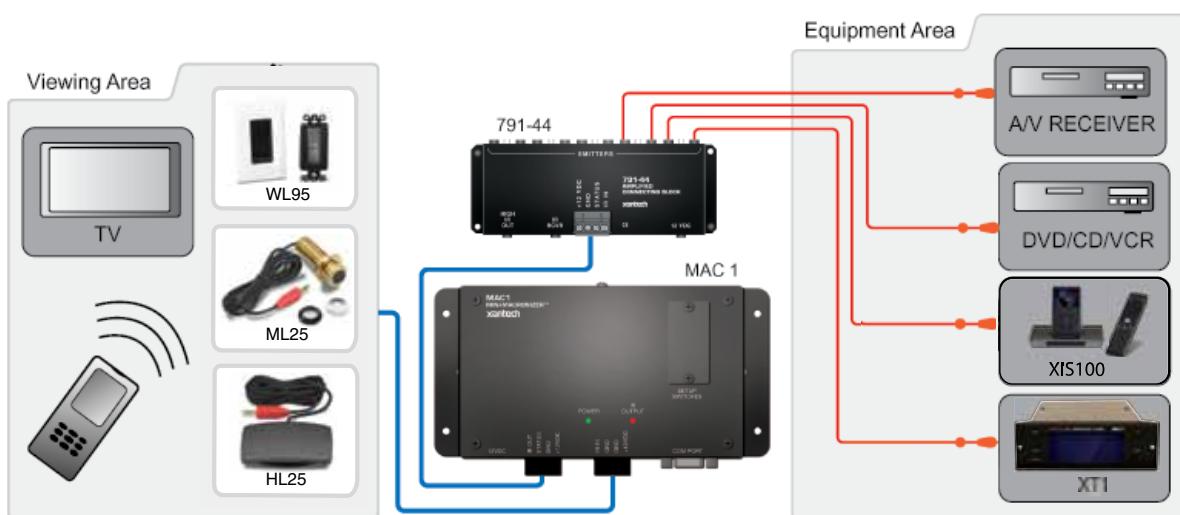
WL95
Plasma Friendly J-Box IR Receiver

AV61
A/V 6-Way Distribution Amplifier

CB12
One-Zone Connecting Block

282D5P
IR Emitter five pack

SIMPLIFIED HOME THEATER OPERATION: MAC1 FOR RELIABLE MACRO ACTIVATION



Single IR Remote commands trigger MAC1 system IR command sequences, eliminating 'lost codes' and 'out of sync'

A/V Component Stack

XD1
AM/FM Tuner

791-44
One-Zone Amplified Connecting Block

ML25

Micro Link™ IR Receiver

HL25

Hidden Link™ IR Receiver

WL25

J-Box IR Receiver

MAC 1

Mini-Macronizer™

283-00

Blink-IR Emitter

CONTACT CLOSURE A/V AUTOMATION

Perfect for model homes, security integration, etc.

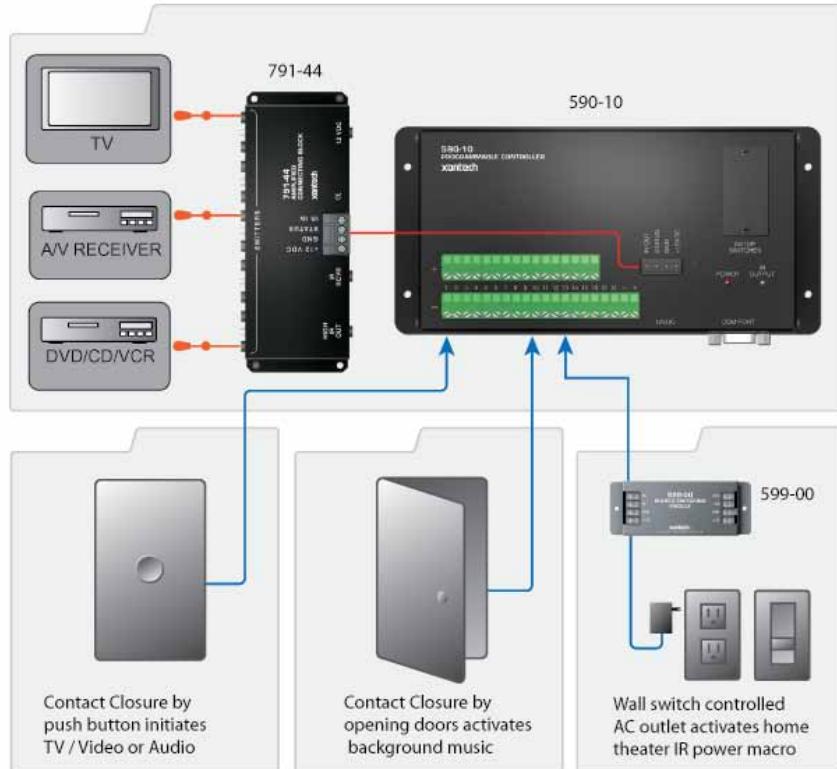
590-10
Programmable Controller

791-44
One-Zone Amplified Connecting Block

599-00
Pulsed Switching Module

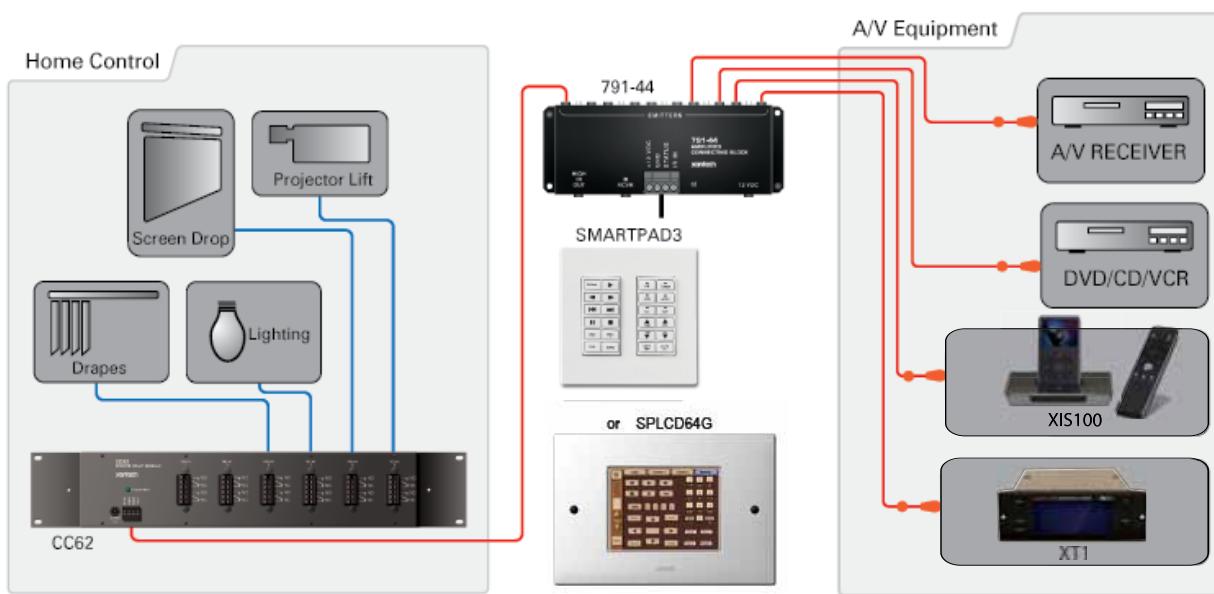
282M5P
IR Emitter five pack

283D5P
Blink IR Emitter 5 Pack



Application Diagrams intended to illustrate system capabilities. Additional items may be required. Contact Xantech technical support for further information.

TOUCH/KEYPAD HOME THEATER CONTROL



A/V Components Stack

XDT
Dual AM/FM Tuner

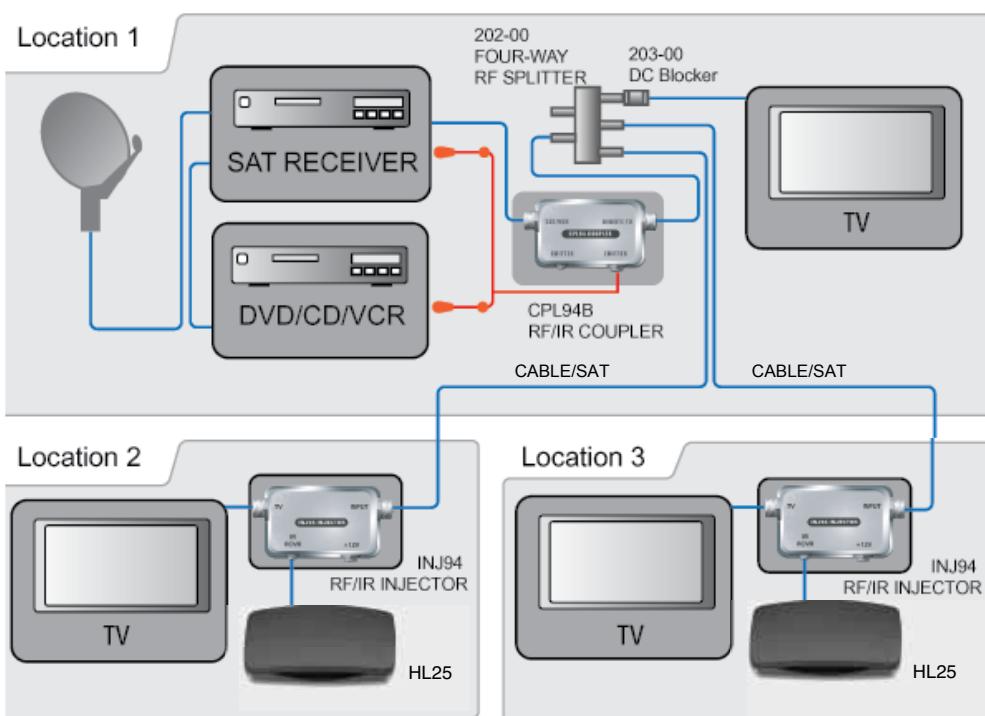
791-44
One Zone Amplified Connecting Block

SmartPad3™
In-Wall Learning Keypad System

CC62
Remote Relay Switcher

283D
Blink-IR Emitters

MULTI-ROOM SINGLE ZONE IR CONTROL WITH VIDEO OVER EXISTING COAX



172-94RP
Xtra Link2 Kit

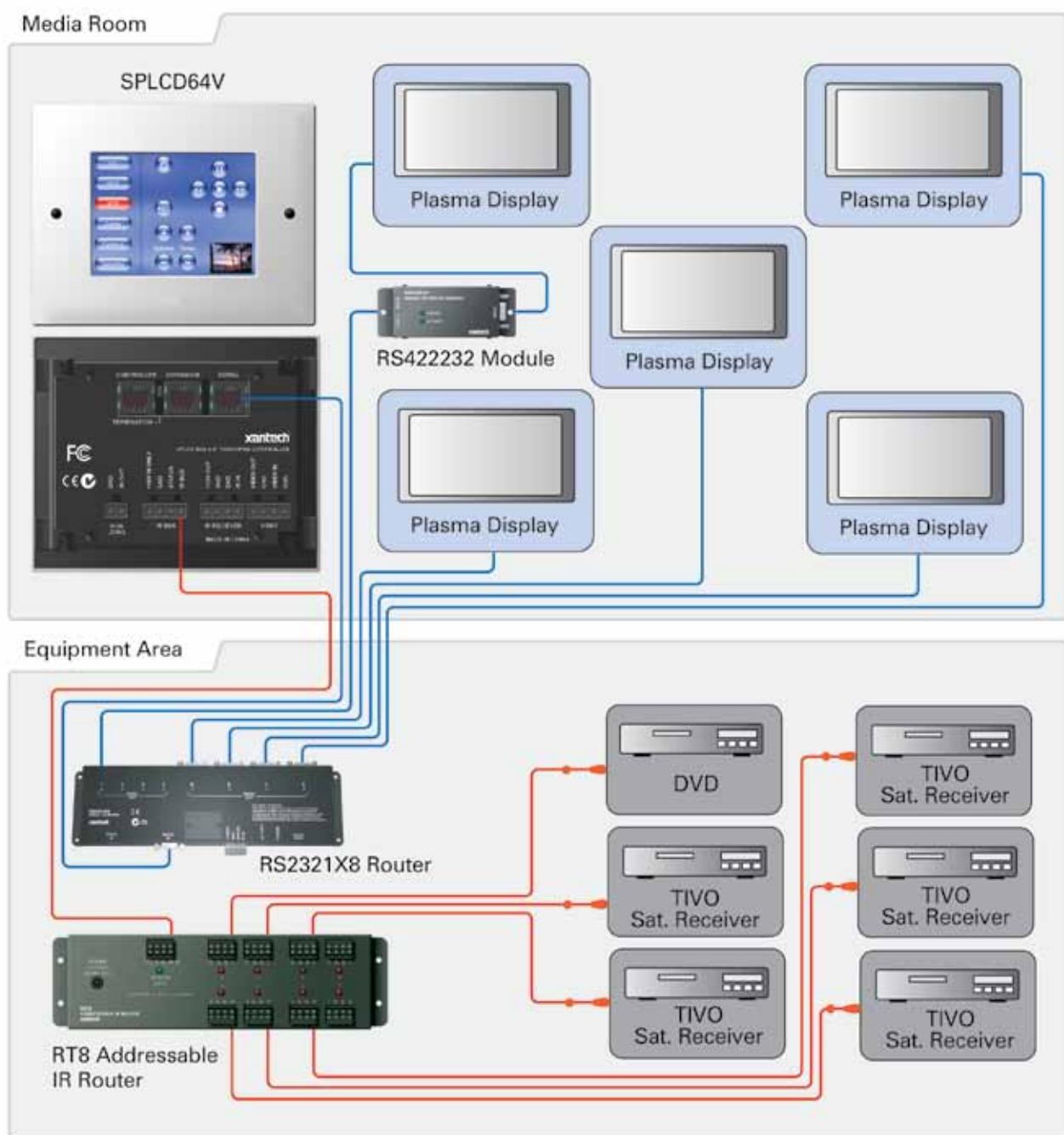
172-94XRP
Xtra Link Expansion Kit a

202-00
Four-Way RF Splitter

203-00
DC Blocker

Application Diagrams
intended to illustrate system
capabilities. Additional items
may be required. Contact
Xantech technical support for
further information.

ADVANCED MEDIA ROOM CONTROL



RS2321X8
Addressable Serial Router

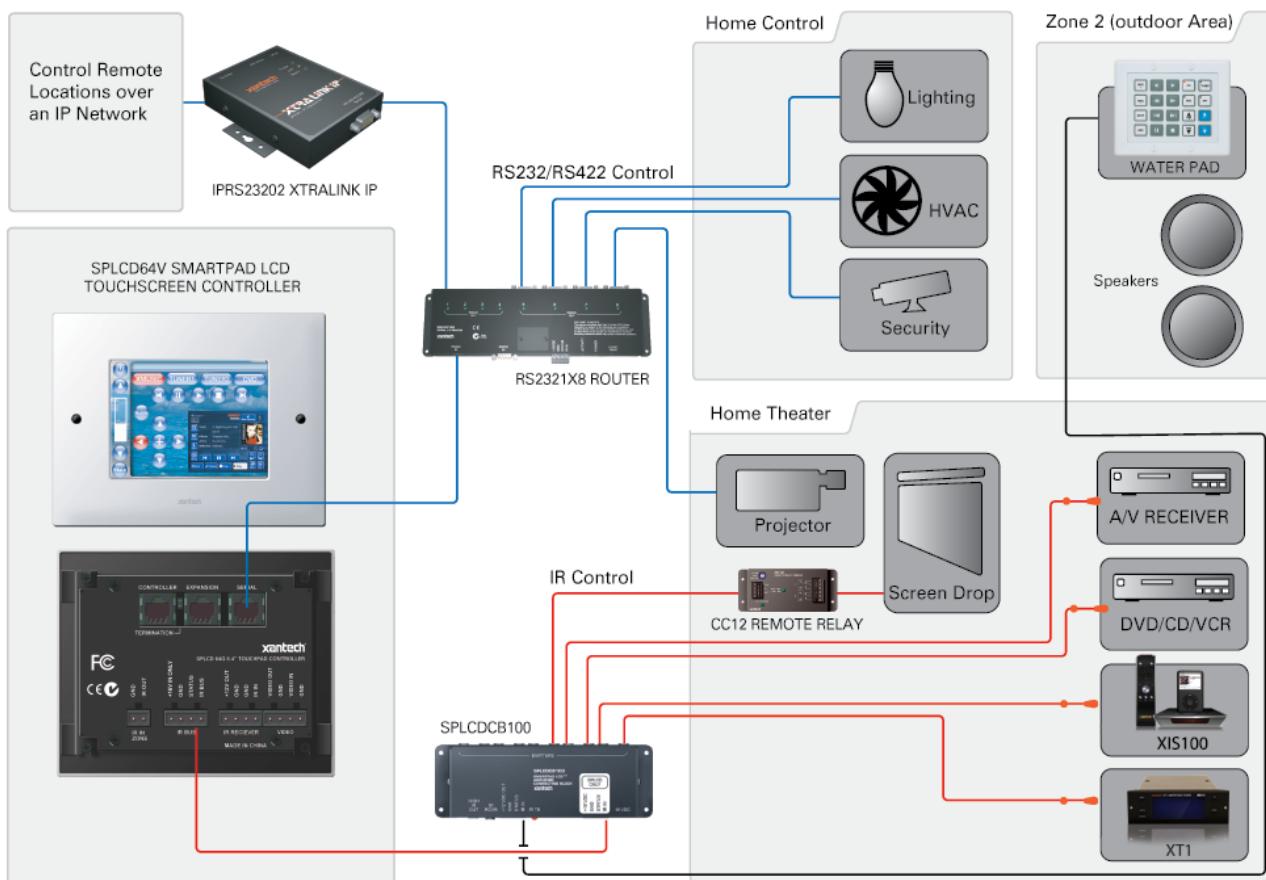
283D
Blink-IR Emitter

28DES
Emitter Shield Cover

RT8
Addressable Router

RS422232
RS422 to 232 Module

ADVANCED HOME THEATER CONTROL WITH SECOND ZONE EXPANSION



SPLCDCB100

Connecting Block

RS2321X8

Addressable Serial Router

IPRS23202

XTRALINK IP™

CC12

Remote Relay Module WPK Waterpad™

WPK

Waterproof Programmable Keypad

XIS100

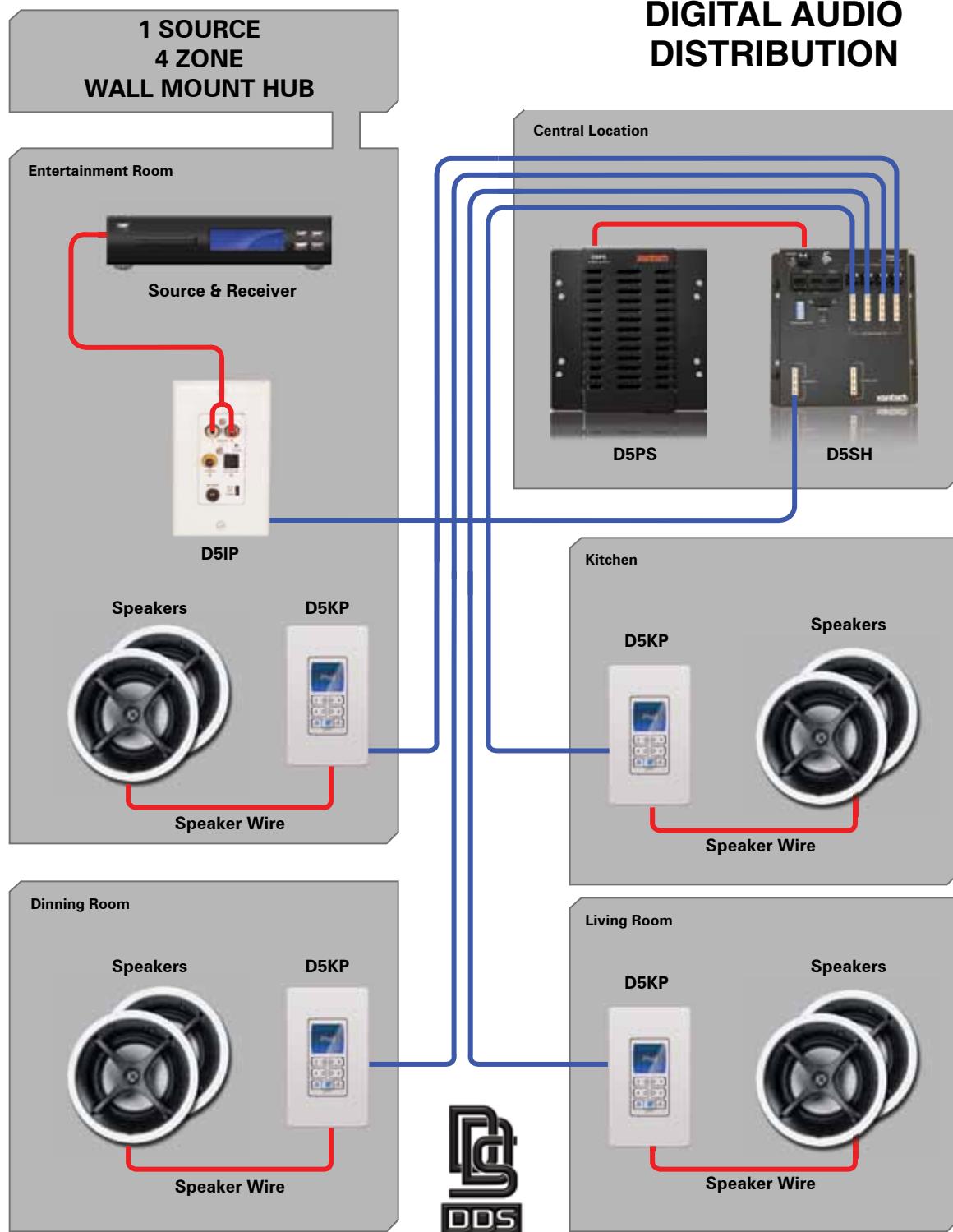
iPod dock

XT1

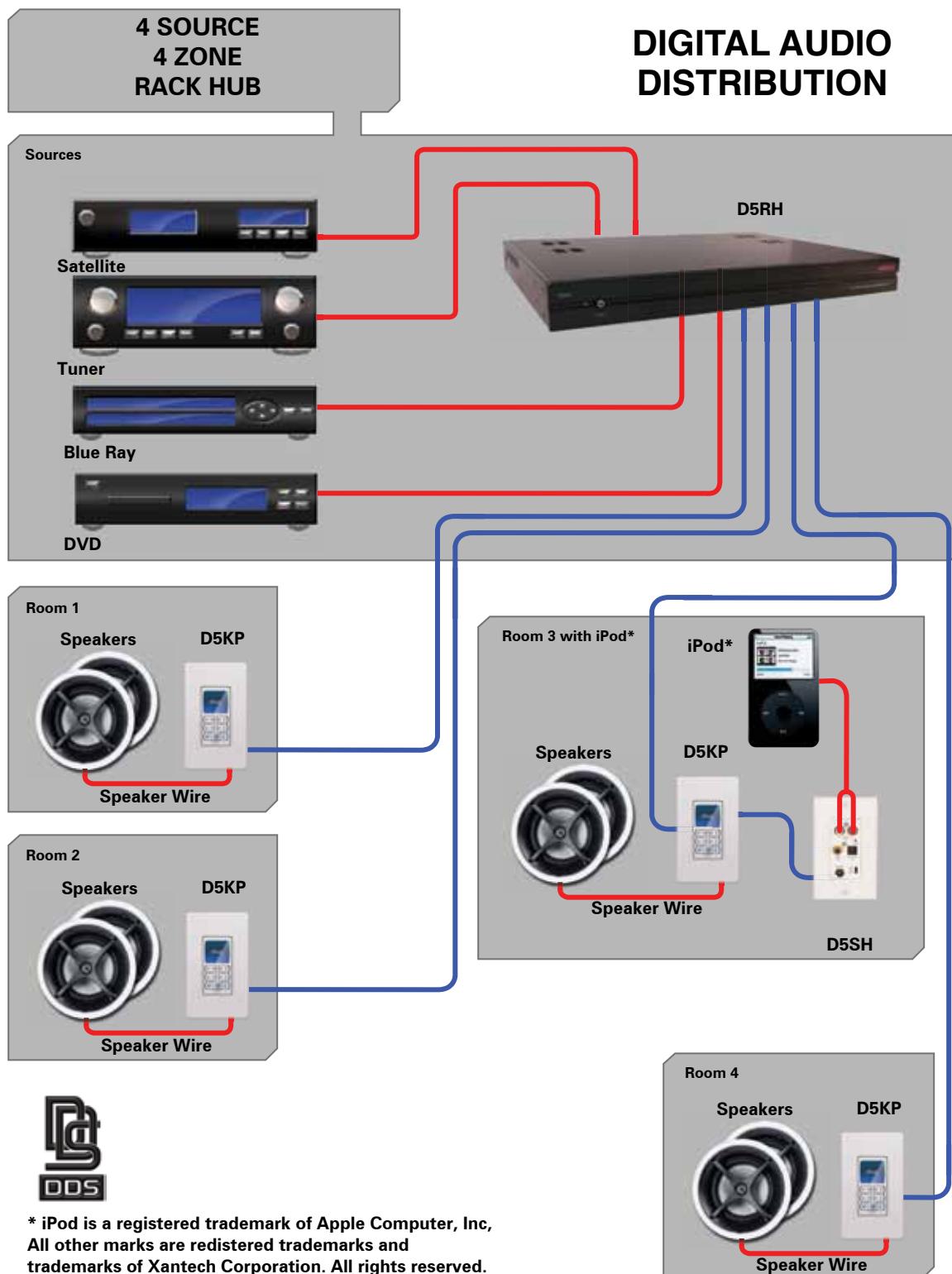
AM/FM Tuner

283D

Blink-IR Mouse Emitter

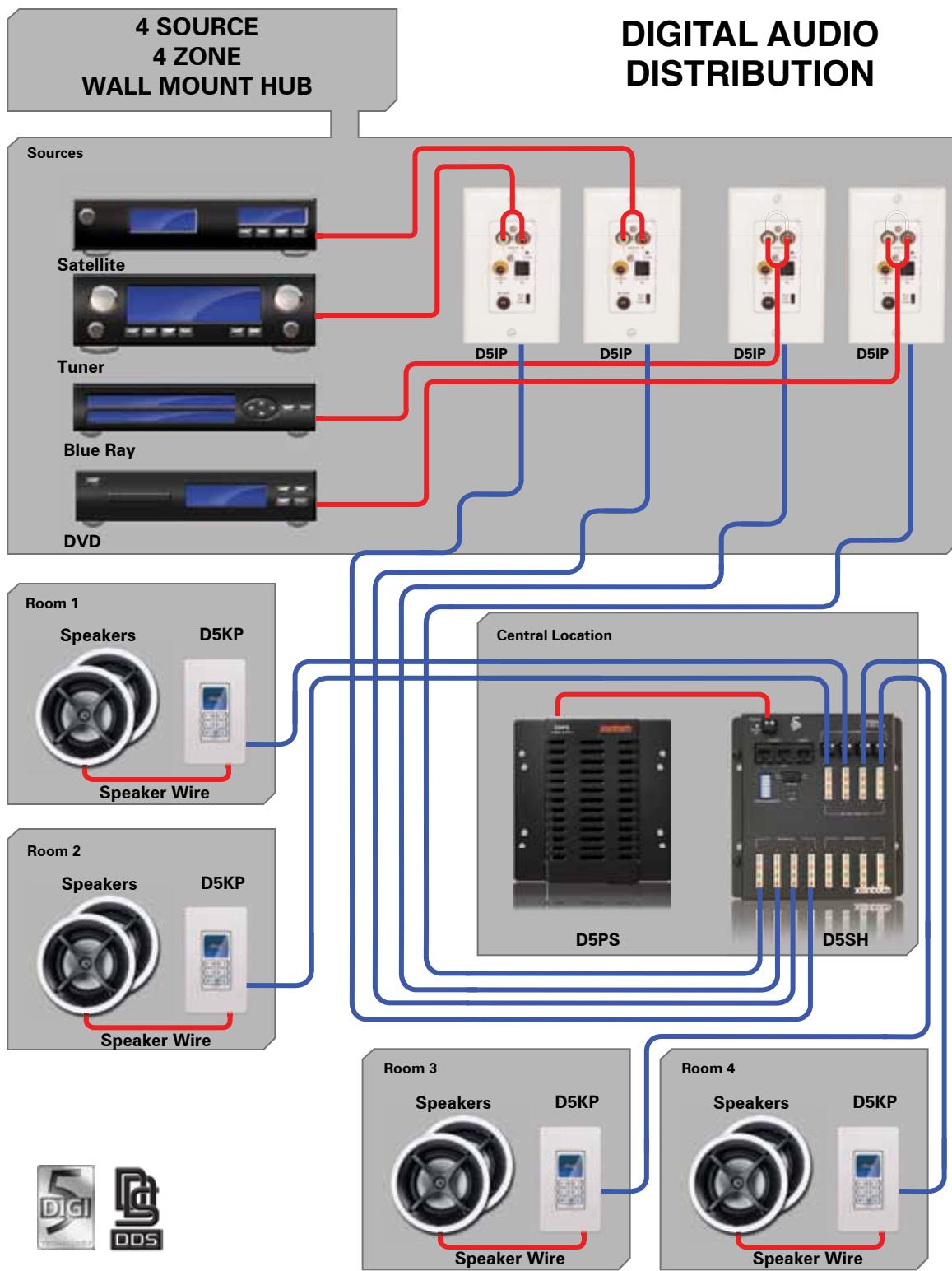
1 SOURCE 4 ZONE WALL MOUNT HUB

4 SOURCE 4 ZONE RACK HUB

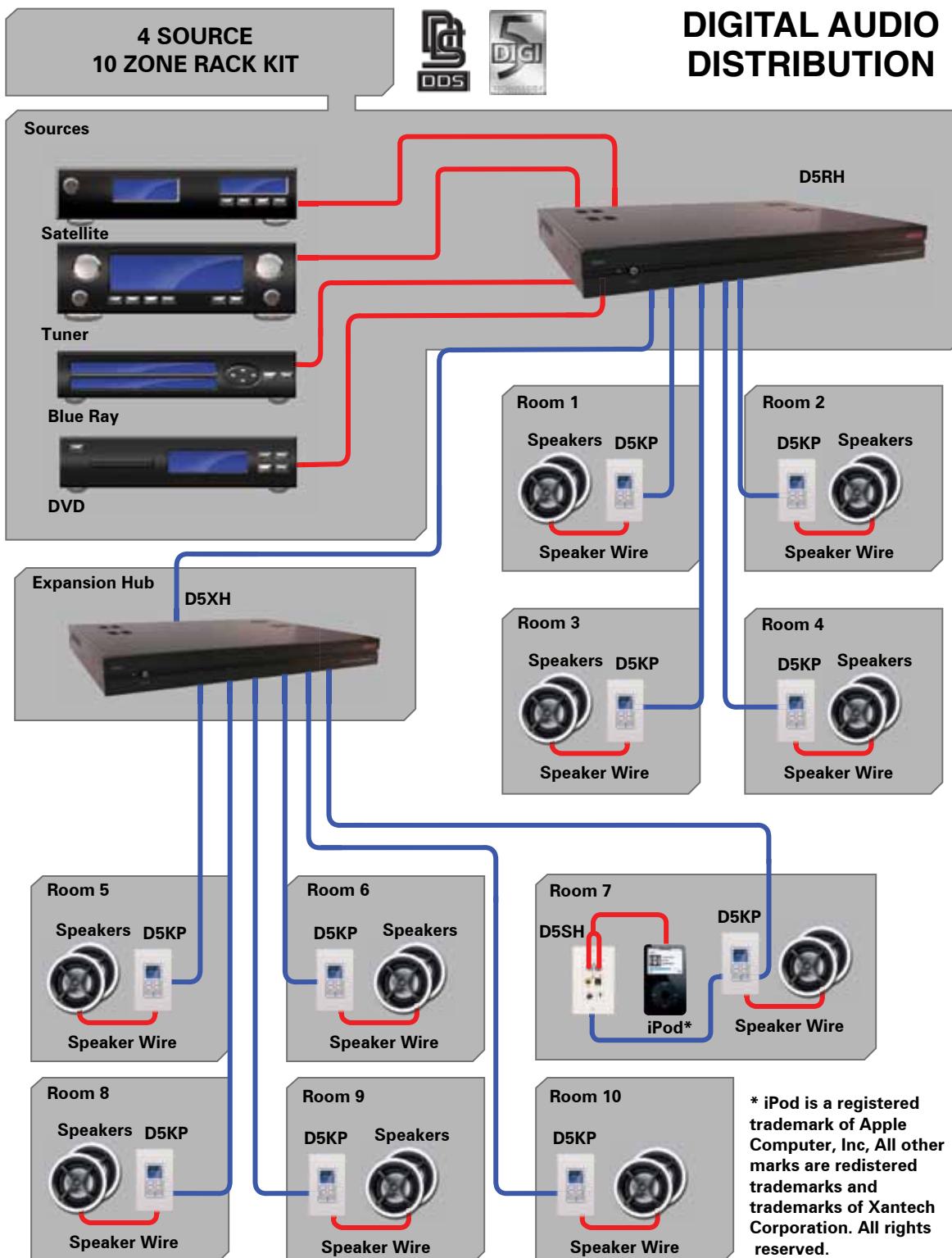


* iPod is a registered trademark of Apple Computer, Inc.
All other marks are registered trademarks and trademarks of Xantech Corporation. All rights reserved.

4 SOURCE 4 ZONE WALL MOUNT



4 SOURCE 10 ZONE RACK KIT



STANDARD TERMS AND CONDITIONS

Dealers

Net 30 on approved credit

Dealers

\$50.00 minimum purchase order (product only, no accessories included)

Each order stands alone; no additional items may be added after PO is transmitted.

Xantech LLC Dealer Return Policy

Xantech will not accept unauthorized products for repairs or returns.

To request a Return Authorization (RA) please contact Xantech Tech Support Department at (800) 843-5465 and follow auto-attendant prompts.

IN WARRANTY PRODUCT

Products sold by Xantech LLC are covered under the Limited Warranty Policy printed in the Xantech Price Sheet. This Policy covers parts and labor on all products for one full year from the date of purchase unless stated otherwise in the warranty statement. Xantech LLC has a repair or replace policy with respect to defective product within the warranty period. Items that cannot be repaired will be replaced at no charge to the dealer.

A Return Authorization (RA) is required for In Warranty Product. Dealer must provide documentation in the form of proof of purchase i.e., copy of invoice at the time of return request. All In-Warranty products returned for repair will be inspected for damage/abuse upon receipt at Xantech. Product deemed abused by Xantech will be subject to repair charges at the discretion of the inbound Inspector.

DOA Products: Xantech will Repair or Replace initial failure units at its discretion. In the event of an advanced replacement unit is sent, the Dealer will be charged for the replacement unit. When the defective unit is returned it will be inspected. If found to be defective Xantech will issue a Credit to the Dealer account. Returned product that is cosmetically damaged or missing parts will be issued a Credit less the cost of repairing the damage or replacing the missing parts. If the DOA unit is inspected and no problem is found (NPF) it will be returned to the dealer and no Credit issued. See Details section below for shipping information, product listing requiring Technical Support Pre-Authorization and other critical information.

Xantech will return product to dealer via UPS at no charge. If product inspected is determined not to be defective i.e., No Problem Found (NPF) it will be returned to the dealer via UPS. UPS charges will be billed to the dealers account. If a dealer or distributor ships units to Xantech with an approved RA via expedited freight, Xantech will return the repaired or replaced item using the same shipping methodology. (Ex: UPS Red inbound, UPS Red return to customer).

OUT OF WARRANTY PRODUCT

A Return Authorization (RA) is required for Out Of Warranty Product. Out Of Warranty product sent in for repair will be inspected by Xantech LLC. An estimate indicating the cost of parts and labor to repair the product will be provided to the dealer prior to the commencement of any work. Dealer will be required to approve the estimate via email or fax. If the unit is deemed not to be repairable it will be sent back to the dealer. Repaired product will be returned to the dealer via UPS. UPS charges will be billed to the dealers account. Hourly rate for repair is \$60.00.

NEW PRODUCT RETURNS/STOCK BALANCE REQUESTS

New product being returned for stock balance requests will incur a 20% Restocking Charge. The Restocking Charge will be waived if the request for return is made within thirty (30) days of purchase. All Authorized products issued with a Return Authorization (RA) for Credit will be subject to inspection. Returned product must be in brand new factory sealed boxes, in the current sales catalog and in fully resalable condition. Xantech LLC will not authorize product returns/exchanges after 120 days. Product returned in poor condition will be rejected and sent back to the dealer via UPS. UPS charges will be billed to the dealers account.

DETAILS

PACKAGING RETURN SHIPMENT

Product being returned to Xantech LLC for In Warranty or Out Of Warranty repair will need to be packaged securely in order to avoid damage. All PA amplifiers, MRC Controllers and SPLCD Touch panels will need to be returned in its original Xantech box with packing in order to avoid damaging the product in-transit. Products received at Xantech in sub-standard packaging will not be serviced. Xantech will send you an appropriate box to return product if requested. There will be a charge for this service.

TECHNICAL SUPPORT PRE-AUTHORIZATION

Certain products require a Pre-Authorization from our Technical Support Department prior to a Return Authorization (RA) being issued. Please call our Technical Support Department at 800 843-5465 and Press 2 for tech support, if you have a problem with any of the following products: Any MX/MRC Controller or Keypad, SmartPad LCD (any model), ZPR68 (any version), any PA series amplifier, PM110, LM110, WPK (any version), RT8, RT1610, RAT1, URC2 (any version), MAC1, IRS232, IRS232A, RS2321X8, 590-10, BXAUDIO, DDS (Digi-5), HDMI, HD44 series, HD88 series, Xantech Source Components.

SHIPPING LABEL REQUIRED

All authorized products returned to Xantech for Repair or Return must have a Xantech Return Authorization (RA) Shipping Label taped to the outside of the box. Returns sent without this label will be refused at the dock. A copy of the RA must be placed inside the box. These documents will be sent to the dealer via email or fax.

TIME LIMIT TO RETURN

When a Return Authorization (RA) is issued a dealer or distributor will have 30 days from that date to return the product to Xantech. The RA will be cancelled and product refused at the dock after the 30-day window elapses. Xantech LLC reserves the right to accept or refuse any request for repair or credit based on, but not limited to: Past Due Accounts, Unresolved Credit Issues, Legal Action or abuse of the stated Return Policy. Policies, Rules, Regulations and Restrictions are subject to change at any time.

XANTECH LIMITED WARRANTY

(Effective for products sold after October 1, 2006)

Note: due to Xantech's policy of continuous improvement, warranty information may change.
Go to www.xantech.com for complete, up-to-date information.

Xantech LLC ("Xantech") warrants to the holder of a valid proof of purchase as the first end-user purchaser ("You"), its products to be free from defects in materials and workmanship for the periods specified below from the date of purchase. This limited warranty extends only to You for product purchased and used in the United States of America. For product purchased outside of the United States of America, You must contact the Xantech authorized distributor in your region for warranty services. Product is not intended for end user installation.

If within the applicable warranty period described herein You discover such item was not as warranted as described herein and You promptly notify Xantech in writing, Xantech shall repair or replace the items at its option. Xantech may elect which remedy or combination of remedies to provide in its sole discretion. Xantech may use functionally equivalent reconditioned/refurbished/pre-owned or new products or parts under this limited warranty.

This warranty shall not apply (a) to product which shall have been installed by other than an authorized Xantech installer, (b) to installed product which is not installed to Xantech's specifications, (c) to product which shall have been repaired or altered by others than Xantech, (d) to charges for installation or set up or adjustment of customer controls, (e) to product that has suffered normal cosmetic deterioration (f) to product which shall have been subjected to negligence, misuse, abuse, accident, or damage by circumstances beyond Xantech's control, including, but not limited to, lightning, flood, electrical surge, tornado, earthquake, or any other catastrophic events beyond Xantech's control, or (g) to product which shall have been subjected to improper operation, connected equipment failure or malfunction, inadequate packing or shipping damage, maintenance or storage, or to other than normal use of service. The foregoing warranties do not cover reimbursement for labor, transportation, shipping, removal, installation, or other expenses which may be incurred in connection with repair or replacement. All claims for product shipping damage must be processed within 3 days of receipt by You.

A Xantech Return Authorization (RA) must be obtained from Xantech by You, your installer or your distributor for Product covered under this warranty. Covered product must be sent to Xantech together with proof of purchase, RA number, prepaid and insured to Xantech. Freight collect shipments will be refused. Risk of loss or damage in transit is borne by the sender. Xantech's warranty does not cover Products which have been received improperly packaged, altered, or physically damaged. Products will be inspected upon receipt.

Except as may be expressly provided and authorized in writing by Xantech, Xantech shall not be subject to any other obligations or liabilities whatsoever with respect to equipment manufactured or sold by Xantech or services rendered by Xantech.

THE FOREGOING WARRANTIES ARE EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESSED AND IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

ATTENTION: TO OUR VALUED CONSUMERS

To insure that consumers obtain quality pre-sale and after-sale support and service, Xantech products are sold exclusively through authorized dealers and authorized distributors. The warranties on Xantech products are NOT VALID if the products have been purchased from an unauthorized dealer or distributor. In order to determine if your Xantech reseller is authorized, please call Xantech (800) 843-5465.

XANTECH PRODUCT (go to Xantech.com/warranty for model numbers)

XANTECH LIMITED WARRANTY DURATION

IR Receivers and IR Emitters	Limited Lifetime
Remote Control Switchers	Limited Lifetime
Modules and Connecting Blocks	Limited Lifetime
Accessories	Limited Lifetime
Speakers	Limited Lifetime
Volume Controls and Speaker Selectors	5 year Limited
DDS/DIGI-5, MRC, BX, ZPR	2 year Limited
CERTIFIED DDS/DIGI-5 installations*	3 year Limited
Amplifiers	2 year Limited
Control Interfaces	2 year Limited
Hand Held Remote Controls	1 year Limited
SPLCD SmartPad and SP SmartPanel Products	1 year Limited
Source Components, XIS100	1 year Limited
HDMI products	2 year Limited
Commercial Products (other than the categories covered above)	2 year Limited

*On Certified DDS/DIGI-5 Installations—terms and conditions

Note: Digital Delivery Specialist Certification is offered by Xantech to qualified installers who meet Xantech's standards for skill and experience, and may be revoked at any time by Xantech. This program is not a condition of sale. The objective of this Certification program is to provide assurance to the end user, through an extended warranty provision, that their Xantech DDS audio system has been properly designed and installed using high quality components and industry-compliant installation practices.

Certified DDS/DIGI-5 installations must be registered with Xantech using the on-line DDS Certified Installation Form and meet the following terms and conditions:

1. Installer has been trained and certified by Xantech and has a valid Certificate Number.
2. Installer provides Xantech with all requested documentation and information on systems installed under this program, as outlined in the Certified DDS program and specified on the on-line DDS Certified Installation form.
3. Installer agrees to all the terms and conditions outlined stated here.

In addition, the Certified Digital Delivery Specialist installer and their company agree to:

1. Be fully licensed in the state/county where Certification program work is performed and maintain such license in good standing
2. Maintain general and commercial liability insurance in force against personal injury and property damage indemnifying Xantech against any liability arising out of improper installation.
3. Adhere to all applicable national and local codes and regulations.
4. Be responsible for warranty liabilities arising from improper installation

The Certified Digital Delivery System components in installations meeting the above terms and conditions will be covered by the standard Xantech Limited Warranty for an additional year for a total of three (3) years. All terms and conditions of the Xantech Limited Warranty apply.

This extended DDS warranty provision only covers Xantech DDS components and excludes component and system wiring, installation and any other components or products (including speakers) connected to the system or otherwise used in the installation.

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