



Networking Solutions

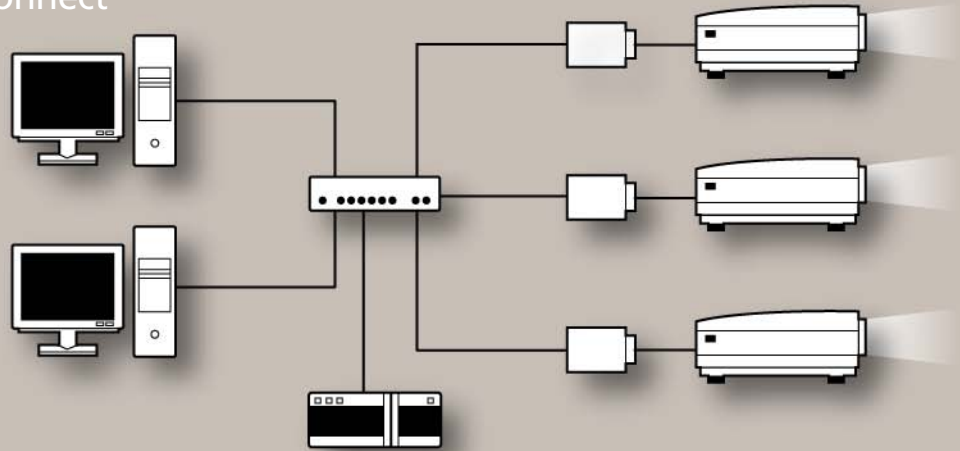
Leading the AV/IT Revolution

The power to network projectors is more than just an interesting application of technology. Networking is similar to plumbing. It is a system of inter-connected pipes used to flow materials in the right direction. Like plumbing, a network works in the background without anyone noticing until something goes awry. A network is more complex than plumbing, but the principles are similar.

**CHRISTIE**

AV/IT

Connect



Connect

With the Christie Connectivity Module (CCM) – an RS-232 to Ethernet adapter - you can both control and monitor your projector from your intranet or the internet. These modules come in various types to specifically address each Christie projector and a customizable version allows network control and monitoring of most non-Christie products. By using the CCM to

network-enable your AV devices, you can perform routine maintenance, remote diagnostics or troubleshooting to prevent system downtime – all via the network. The CCM features an embedded web server for support over a standard web browser – viewing the status of your projector is as simple as viewing a web page. An SNMP agent provides complete management in a SNMP environment and a custom control

circuit adds security or simple local control of the projector.

Monitor, Control, Deliver Content

For organizations where many AV devices are involved in a network, Christie's Master Display Controller software package supports an unlimited number of licenses for ChristieNET networked projectors. With this easy-to-use software – it

Networking Know-how

Today's installations require networked projectors to deliver a wide spectrum of display information to different locations from relaying wireless content to remote monitoring by a third-party in another city.

With more than 10,000 networking solutions installed, Christie's ChristieNET™ is the choice in control and monitoring of AV equipment. Christie's networking solutions offer the right technology at the appropriate investment level for the installation. The decision to network involves three key decision makers, each with their own perspective and needs – the end-user, purchaser and IT/AV manager. Christie's products and solutions address the unique

needs of each, demonstrating the total cost of their investment and the expected return on investment.

End Users

For the presenter, functionality and system design are the key considerations – a projection display system that performs flawlessly through a presentation or conference. The system has to be easy to use and provide the same functionality similar to a desktop computer. It should be effortless. They are concerned with their ability to build and transition slides or images as part of today's dynamic presentations. Conference presenters need to be able to easily change to the next slide or graphic. At interactive meetings, the ability to collaborate and revise presentations or materials

in real-time is critical. Users need a networked projector that:

- Sends dynamic content – data and multimedia presentations
- Offers flexibility and options – true collaboration and wireless connectivity
- Provides an interface at a PC level – easy to use

Purchasers/Admin Staff

For the purchaser, it is important to make a sound investment – to get the most features for the least amount of money. They also are concerned if the purchase generates money or cost-savings with their organization. Their focus is on system control and asset management. If your help desk

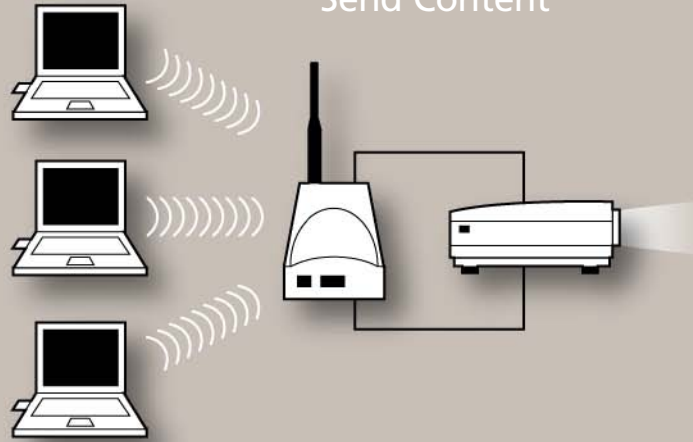
Control



features a familiar Windows-based interface – you can easily control and apply adjustments to groups of projectors at the touch of a button. Power projectors on/off, control display functions such as brightness, contrast, color saturation and more – through one user-friendly interface.

Master Display Controller Professional has an added plug-in (Content Management Console) to allow for content delivery via a wired

Send Content



or wireless network. This software also provides support for content delivery and projector control from a wireless PDA running Pocket PC™. Your presentations will be flawless and your resources managed to the maximum.

Wireless Freedom

Easy to use and the freedom to roam – while your display device

offers the best view in the house. Whether you're giving a simple PowerPoint presentation or showing a full motion video, Christie's Wireless Presentation Portal and Wireless Multimedia Portal provide the ability to connect to your display device wirelessly. Both Wireless Portals include a display to wireless adapter and simple software package that allows the freedom of no wires and cables.

personnel or IT support staff can leverage the capabilities of a local area network (LAN) and the network's remote capabilities to provide quicker response time in support of their AV equipment, they can keep the total cost of ownership down. That's sound business.

- More than 80% of AV/IT support can be fixed over the network
- Reduces time spent resolving these issues, reduces need for additional help
- Better utilize support personnel's time

IT/AV Professionals

For the IT or AV manager, the savings are a result of less support time needed to maintain their resources and product performance.

ChristieNET solutions meet all of these expectations.

- Proactive email alerts for lamp life, temperature or that the internal projectors are approaching a failure threshold
- Order/replace lamps, clean filters, improve projector ventilation before a meeting/event
- Flexibility to deal with issues – a networked projector can always be accessed via the network

ChristieNET's broad range of products get you connected and networked quickly, easily and offer options that make connectivity simple whether they are utilizing Christie projection solutions or other manufacturer's products.

What Do You Need?

A display device, an existing network and a Christie Connectivity Module (CCM).

Legacy Systems and New Technology

New technologies are not always better. There are many examples of the new "hot" technology not being the best choice. The IT department expects proof of value. The challenge for AV providers is introducing new products into an existing network infrastructure. Christie CCM can be easily integrated into existing infrastructures with legacy projectors or display devices – by utilizing our dual port CCM or our customizable CCM option. With the CCM providing

you with an interface between the network and the device, you can add network support to your existing assets at a minimal investment. And all the status and command codes for the projector are utilized for complete ease of use and flexibility – whether you're in the same conference room, or across the globe.

Security

For increased security, Christie SecureCCM uses 128/256 bit Advanced Encryption Standard (AES) with Serial Tunneling for encrypted and encapsulated communications. These security features make it perfect for networks that need to meet the Secure Data Communication requirement for government installations and applications.

Networking Solutions

With ChristieNET solutions, you have flexibility, control and cost-effectiveness.

Flexibility to network-enable both new and legacy Christie projectors, as well as other manufacturer's products. Control over your own assets and over your presentations.

And a cost-effective way to realize the benefits of networking.



CCM

- Receive alerts via email or in a NOC that uses SNMP management solutions
- 6 individual control circuits allow for customizable commands from push button controllers through simple web page interface
- Event Scheduler, Time Synchronization and Real-Time Clock
- RS-232 Pass Through – directly passes data between RS-232 and Ethernet, or between the two RS-232 ports for drop-in integration
- Embedded Web Server – out-of-the-box functionality and integration
- IR XMTRRCVR allows you to control devices that can be controlled with a remote even if it doesn't have an RS-232 port



MASTER DISPLAY CONTROLLER AND MASTER DISPLAY CONTROLLER PROFESSIONAL

- User-friendly – features familiar Windows-based master console for selection and management of projector groups
- Simultaneously adjust, turn on/off or monitor any group of projectors with the touch of a button
- Programmable pre-set controls recall settings for the perfect display, every time
- RGB Balance Control – for fine adjustment of each individual display
- Unlimited licenses for ChristieNET networked projectors
- Wired/wireless support over the Ethernet
- PDA access with Pocket PC™



WIRELESS PORTALS

- Plug and play – simple user interface
- Works with virtually any display device up to XGA resolution
- Presentation and Multimedia versions available
- Fast, real-time response with video at 30fps
- Secure – 64/128 bit WEP
- Wireless hub – multiple users with no set-up time
- Automatic clear channel selection – minimizes interference
- Interoperability – works with any 802.11g or 802.11b enabled computer/network

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