



c-Bridge™

IPSC-x Series

The **c-Bridge™** is an IP-based networking controller designed to enhance wide-area system capabilities and to provide interoperability functionality to MOTOTRBO™ digital communications systems.

c-Bridge™ controllers connect into MOTOTRBO™ IP Site Connect (IPSC) systems through IP network connections (private or the internet). Whereas IPSC systems are limited to a maximum of 15 repeaters in one network, **c-Bridge™** controllers can be used to expand IPSC systems into very large systems, with hundreds of repeaters connected if needed. They also allow for dynamic bridging between repeaters or groups of repeaters and between time slots, based on Talkgroup ID codes or pre-programmed "patches". **c-Bridge™** systems handle voice (group, private, and All Calls), GPS and ARS data, text messaging, Call Alerts, Radio Query, Radio Enable/Disable, and Emergency Calls. This allows for a fantastic amount of flexibility in the operation of an IPSC system. For example, Emergency Calls and All Calls can be transmitted on one time slot, but be received on both time slots.

Analog interfaces are available to tie into the accessory ports on repeaters, base stations, control stations, or analog dispatch consoles, providing interoperability between MOTOTRBO™ IPSC systems and conventional analog, P25 conventional or trunking, or other non- MOTOTRBO™ systems.

PC-based Client software allows for computer workstation voice dispatching and manual remote bridging control. The PC Client software connects directly into an IPSC system, through a network connection (private or internet) to a **c-Bridge™** controller. No control station radios are needed.



Exceed the 15-repeater limit on MOTOTRBO™ IP Site Connect systems. Systems can consist of hundreds of repeaters

Can be used to reduce bandwidth needed at remote sites in larger IPSC networks

Uses IP network connections (private or internet) into MOTOTRBO™ systems. No control stations needed. Provides excellent audio quality

Allows MOTOTRBO™ to operate over commercial satellite and other high-latency networks

Can provide interoperability between MOTOTRBO™ IP Site Connect systems, non- MOTOTRBO™ systems (analog, P25, etc), and analog dispatch console systems, using optional Analog Interface

Extremely flexible call bridging and 'routing', based on talkgroups and/or pre-programmed 'patches'. Permanently or dynamically bridge between repeaters, groups of repeaters, analog ports, and even between time slots

Built-In network diagnostics - Monitor and troubleshoot IP network problems in IP Site Connect systems

Uses Linux operating system for high reliability

IP-based voice dispatch and manual remote bridging control capability, using PC-based client software (available for Windows or Linux workstations)

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