



5000CG Series

Clipsal C-Gate Server is a software suite that monitors and controls a Clipsal C-Bus system. C-Gate has been produced to allow software developers and systems integrators to interface to a Clipsal C-Bus system.

C-Gate server software is run on a PC and uses industry-standard TCP/IP interfaces. Using TCP/IP opens the ability to control, connect to, monitor and Internet-enable a C-Bus system.

To connect to a C-Bus network, C-Gate opens a connection to a C-Bus PC Interface through a local serial port or a C-Bus CNI (model 5500CN) through a TCP/IP socket connection.

Once connected, C-Gate scans each C-Bus network and builds an object model of the network and the network's C-Bus units. This model is the base that C-Gate uses for control and monitoring and allows C-Gate to rapidly give up-to-date information about the status of C-Bus without having to poll individual C-Bus devices.

C-Gate can be used to control C-Bus loads, collect and use information from C-Bus networks, or provide a monitoring and control interface for a separate building management system.

Software applications or building management systems connect to C-Gate's Command Interface and can issue commands (such as ON, OFF and RAMP) and query the status of any object (using the GET and SET commands) in C-Gate's model of each network.

C-Gate provides several interfaces to allow third party applications or building management systems to receive a continuous real-time list of events that have occurred on the C-Bus networks that C-Gate is managing.

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500CG Series C-Bus Server Software - C-Gate



- C-Gate server software is run on a PC and uses industry-standard TCP/IP interfaces.
- C-Gate allows connection to C-Bus networks across a TCP/IP backbone network or through a local RS232 interface.
- C-Gate allows connection to one or more C-Bus networks from other software or systems.
- C-Gate can be used to manage a number of C-Bus networks effectively in parallel at high speed.
- C-Gate can be used to provide an Internet or TCP/IP interface to:-
 - o Control and monitor C-Bus networks via third party software
 - o Control a C-Bus network from another building management system
 - o Use a custom front-end or user interface to C-Bus when required.
- Since C-Gate maintains an object model of the networks in memory, the status of all connected networks can instantly be displayed by C-Gate without having to wait for the network to respond.
- C-Gate Commands and Events use a logical addressing system to refer to C-Bus networks, groups and devices.
- The C-Gate Command Interface allows a system to control and get the status of C-Bus groups and units on the networks.
- The command interface is based on a simple set of text commands and formatted responses delivered via a TCP/IP socket.
- The C-Gate Event interface captures monitored C-Bus information and makes this available to external systems.
- Captured Events can be distributed as a text file, to a TCP/IP socket interface on a remote computer, to a connection made to the C-Gate event-port number or to a local printer.

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