

CSCP – PRODUCTION AUTOMATION

The Calrec Serial Control Protocol, CSCP, allows for remote control over mixing console operational functions by third party systems such as video switchers and production automation systems.

A number of broadcast equipment manufacturers provide serial control protocols that are compatible with CSCP. The following systems are currently in use around the world, actively controlling Calrec audio mixers for live on-air applications:

- **Ross** Switchers / OverDrive (Automated Production Control system).
- **Sony** ELC.
- **Snell** Kahuna.
- **Mosart**.
- **Grass Valley** Ignite.

Controls available via CSCP

CSCP allows third party controllers access to 192 paths on each control surface, giving them the ability to:

- Display the path types assigned to faders.
- Control and display path fader position.
- Display path fader labels.
- Control of and status display for path Left-to-Both & Right-to-Both input settings.
- Control of and status display for path Cut / On.
- Control of and status display for path Pre-Fader Listen.
- Control and status display of path to Main output routing.
- Control and status display of path to Aux outputs 1-20 routing.
- Control and display of Main bus output level.
- Control and display of Main bus Pre-Fader Listen.
- Control and display of Aux bus 1-20 output levels.
- Display console name / ID.



CSCP – PRODUCTION AUTOMATION

Connection and redundancy

CSCP was first developed with true RS232/422 serial connections. In Apollo & Artemis systems, CSCP passes serial data over TCP/IP. The CSCP connection is made to the Master controller card in the processing rack for the console it is to control. Connections can be made for each console on a Hydra2 network. In the event of a Master Controller failure, the secondary backup controller card would take over and continue to pass CSCP communications via the connection made to the primary card. Calrec also support a backup CSCP connection that can be made to the secondary card to provide redundancy against port, cable and third party failures if supported by the third party CSCP controller.

Serial to TCP/IP conversion

For third party controllers that do not support TCP/IP connections, Calrec can provide a 1U rack-mount twin PSU serial-TCP/IP convertor unit.

Talk to a sales representative or email enquiries@calrec.com for more info.