

Cue Director



FEATURES

- 'Cue Director' is a flexible sized tally system and comprehensive UMD control system in 1U
- Interfaces to vision mixers, routers, UMDs and Multiviewers via parallel, serial or TCPI/P
- Unlimited parallel/serial inputs/outputs.
- Provides Red, Green and Yellow tallies
- User friendly 'Pin Patch' editor application allows configuration and control of the 'Cue Director' simultaneously from different user positions.
- Downloading/Uploading and changing configuration online is instant and does not require a reboot to take effect.
- An unlimited number of UMDs can be supported.

ROTRONICS SYSTEMS LTD
UNIT 5
RIVERSIDE PARK
FARNHAM
SURREY
GU9 7UG
UK

E: bob@rotronics.co.uk

T: +44(0)1252 722686



FEATURES

- No startup or shutdown procedure required.
- Non-volatile memory retains previous state of Cue Director.
- Powerful processors combined with excellent software/hardware architecture provide the fastest cues possible.
- Web based diagnostic pages show comprehensive status of the 'Cue Director' and the peripherals around it
- Generate tallies from all ME and AUX banks.
- Provides 4 character legends to vision mixer button displays.

HARDWARE

- 1U 19 inch rack mounted, only 230mm deep.
- Two TCPI/P ports
- 1 RS232 port (expandable)
- 8 RS422 ports (expandable)
- Solid state non volatile storage
- Connect optional 1U CF2000 Parallel to TCPI/P frames to provide as much parallel inputs/outputs as required.

E&OE

TALLY SYSTEMS

Tally systems have existed for many years. They provide the 'on-air' cue lights for cameras, UMDs and other broadcast equipment.

Traditionally a vision mixer would provide a parallel tally (usually a relay) which would be used in conjunction with some hardware logic to illuminate a lamp. As microprocessors progressed the relay outputs became wired to parallel inputs (usually opto-isolators) and logic processing was introduced. As vision mixers, UMDs and routers evolved with serial interfaces the role of the tally system became more sophisticated too.

CUE DIRECTOR

'Cue Director' has jumped many generations, while still essentially performing the same tally tasks, it is able to cope with thousand of inputs and outputs either serial, parallel or network generated. Interfacing to other devices it interrogates signal paths to establish the prime origina of the tally. Typical systems involve large router systems feeding vision mixers probably with some emergency bypass routing too. Cue Director can cope with it all.

Combined into 'Cue Director' is the most comprehensive UMD and Multiviewer control system.

USE OF TECHNOLOGY

Using TCPI/P instead of serial and serial instead of parallel reduces the wiring and the problems associated with it.

Ethernet and web based strategies allow any PC to be connected anywhere on the network. If the PC can ping the Cue Director it can edit and program the database as well as view all the online diagnostics.

COMPATIBLE UMDs

- TSL, Megahertz, Pro-Bel, Quasar, Thomson, Rotronics.



COMPATIBLE MULTIVIEWERS

- Miranda Alto, KX
- Evertz VIP-X, MPV
- Barco Hydra

COMPATIBLE VISION MIXERS

- Sony 2000,7000,8000,9000
- Thomson DD-35,X-Ten
- Ross Synergy

OTHER COMPATIBLE

- Other interfaces have been written and tested for specific Cue Directors, for instance SW-PP-11 CTP Camera Changeover. If you do not see the device you require supported please contact us.

NEW PRODUCT

'Cue Director' was launched at IBC2008 by professionals with 20 years experience of tally systems. During the 3 years the hardware and software were in development 4 tally systems were sold and installed. The last 2 went to BBC Outside Broadcast before their takeover. The new owners SIS OB were the first to place an order at IBC for the 5th system. Since IBC a sixth system has been commissioned to another OBs company, while the orders for 7 and 8 are awaiting truck manufacture before delivery.

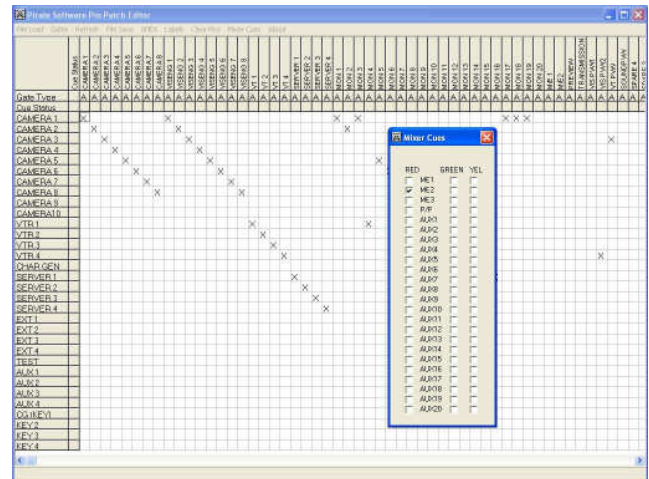
'PIN PATCH' EDITOR

A Windows based editor connects to the Cue Director over TCPI/P. Placing 'pins' in the 'grid' makes a logical connection between the input and the output. Inputs can be ORed, ANDed or NOTed to produce a single output. Diagnostic columns and rows show the current status of the inputs/outputs on the edge of the grid.

EDITABLE

- Pin Grid
- Gate Type (AND, OR or NOT)
- Mixer Cue Assignment (which MEs and AUX buses contribute to the production of Red/Green/Yellow tallies)
- UMD configuration (which software mode and brightness)
- Upload/Download
- Save/Load
- Status bar on the bottom shows status such as online/offline uploading/downloading in real time.
- Source Names 4, 8 and 12 character. 4 char usually go to the mixer legends, 8 to the router controller and 12 to the UMDs. (if the router controller allows the writing of source names these get passed to the controller limiting the duplication of data entry, alternatively names can be got from the router controller. It depends on the manufacturer and product)
- Input/Output labels
- Databases can be edited offline or online.

FEATURES



- Right clicking an output shows all the contributing input and their current status. This saves searching hundreds on pins in a single column with the scroll function.
- Right click an input shows all the contributing outputs.
- A drop down of useful features includes 'clearing the pin patch' and 'turning off all outputs' (including UMDs).
- Clicking an output status box on the pin grid toggles its status allowing the user to test an output easily.
- Clicking an input toggles its status allowing the user to emulate an input changing state.
- Saving and loading databases to/from the PC means the user is able to store as many setups as the harddisk can store. Typically more than would ever be needed.
- Right clicking the pin grid displays a condensed pin grid full of information in a new window. Clicking on a desired quadrant in the new window immediately jumps the user on the main screen to the selected area. This saves a lot of scrolling around the pin grid and well as supplying useful information.