CB Electronics
Windows Software Suite

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Integration .... SR/MR Systems with PC Display, Storage and Networking
System Display ....Multi-Machine Position, Tally, Offset, Track Arm
Master Display... Master Position, Lock & Record Indicators
Serial Port Server .... Up to Eight Applications
OEM Support Available ....Integration with DAW and Console Software

CB Electronics has developed a new software suite to interface its multi-machine control systems to Windows compatible PCs.

At the heart of the new system is the CB Serial Port Server that allows up to eight applications to access the serial port at the same time.

CB Electronics software communicates through the server permitting the use of multiple applications at the same time.

- **System Display**
  - Displays the status of all machines in the studio (See below).

- **Q2Image**[1]
  - Store a list of cue points with captured video images.

- **ADR-Taker**[1]
  - Generate and download EDL and Taker lists

- **RemoteControl**[2]
  - Windows machine control interface
  - External USB jog and shuttle controller

- **Third party applications**
  - OEM customers can integrate their products via the server to multi machine control.

Contents

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[1] Existing software is currently being updated to work with the new system and will be available soon.

[2] Currently in development
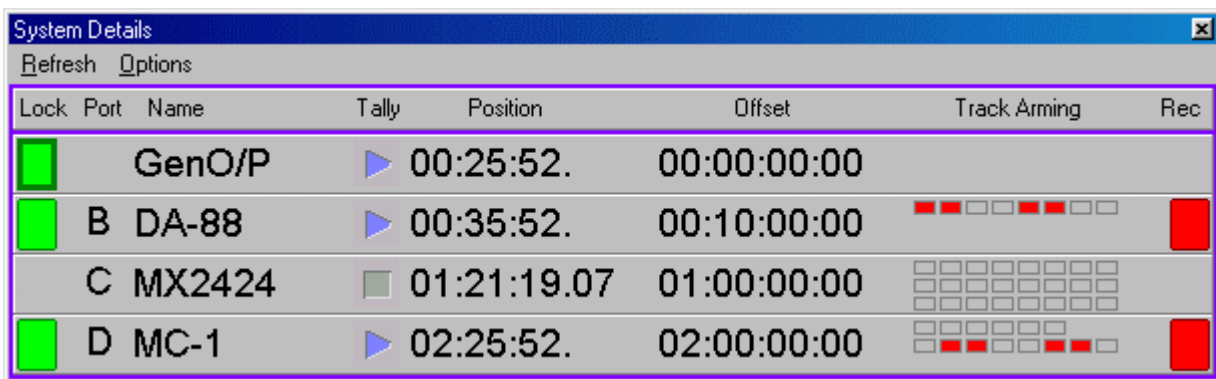
CB System display

The 'CB System Display' gives the user the ability to view current information about the system.

Master Display

The 'Master Display' shows the master output timecode, a system lock and record indicators. It can be positioned and sized to suit your working environment.

Full System Display

Lock	Port	Name	Tally	Position	Offset	Track Arming	Rec
▮		GenO/P	▶	00:25:52.	00:00:00:00		
▮	B	DA-88	▶	00:35:52.	00:10:00:00	▮▮▯▯▮▮▯▯	▮
	C	MX2424	▮	01:21:19.07	01:00:00:00		
▮	D	MC-1	▶	02:25:52.	02:00:00:00	▮▮▮▯▯▮▮▯	▮

The full system display may be enabled and disabled as required, As with all CB systems machine recognition, automatic set-up and record track arming come as standard.

The above display shows the Generator as master in play with the DA-88 and MC-1 as slaves. The DA-88 and MC-1 are both armed and recording. The MX2424 is a free machine in stop.

In addition to its display capabilities, you can currently perform the following actions:
- Set Offsets
- Set Sync points (System automatically recalculates the new offsets)
- Record enable
- Chase enable
- Select the system master
- Track arming.

Offset
The offset display may be switched between, Offset, Sync Point, or Difference.
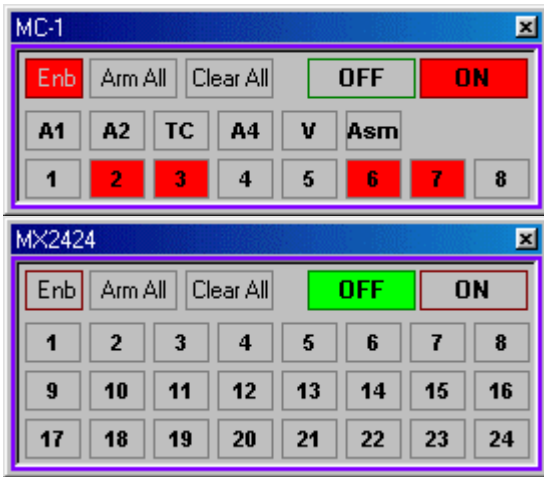
Offset allows direct entry or increment/decrement of offset

Sync Point allows offset calculation by specifying a sync points for each machine in turn.

Difference allows monitoring of system performance.

Track Arming

Click on the track arming area of the full system display to open a track arm window for the selected machine. Note that the machine ID determines the number of tracks displayed. Individual machine record enable and record On/Off are also available on the track arm panels.

The track-arming window includes Record Enable, track arming and record on/off as 'Illuminated Switches'.

Click on the track arming Switches to enable/disable individual tracks.

Click ON or OFF to control record on individual machines.

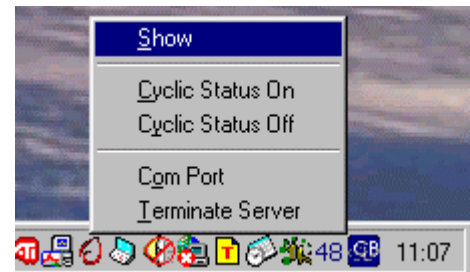Display up to 48 Digital tracks plus analogue audio and video.

CB Server software

At the heart of the system is the CB Server.

The CB Server is a new software product from CB Electronics that may be used with an RM-6 or any SR/MR system with suitable software. The server is designed to allow multiple windows applications to access and control machines in the studio via a single port on a Windows PC.

Connection is via the RS-232 port (Com1) using a self-powered inline RS-232/422 converter. This will be replaced by a new USB to RS422 converter currently in development.

The server has been designed to work with 3rd-party software, providing advanced machine control capabilities through a simple DLL interface. It offers vastly reduced development time, as there is no need to cope with the intricacies of specific machines. An OEM development package is available with full information, examples and source code.

Although the server is powerful, it is also very discrete. During normal operation, the only visible evidence that the server is operational is a CB icon in the system tray. Right-Click the icon for the context menu or Left-click to show/hide the server dialogue directly.

You can view the current status of the server, change the COM port, and view the client applications currently connected to the server.