PRODUCT SHEET

Cerebrum UI packages

Premade interfaces to kickstart your productions

→ evs.com/cerebrum

Product overview

In Cerebrum, almost **everything is customizable** - from your router control panels, to your device control interfaces, to the way your end-users can configure the multiviewer wall. Designing and customizing these graphical user interfaces from scratch can be a long and costly process, while most of the requirements for each interface are **similar in all Cerebrum projects**. That's why we've designed a set of **premade UI packages** which already include most of the required functionality for Advanced Routing, Device Control, Desk Control and Flexible XY routing panels.

Core benefits

APPLY TO ANY CONFIGURATION

All UI packages are build to work with any kind of routemaster configuration, no matter if you're working with SDI, or IP, or both. Changes to your routing tables will show immediately in the UIs.

EASY TO USE

The UI package are easy to install. You don't need to be trained on the Cerebrum Designer and you don't have rely on any customization services.

SPEED UP COMMISSIONING

Building customized interfaces from scratch can take days, even weeks. With the UI packages you are good to go as soon as your system has been commissioned.

OPEN FOR CUSTOMIZATION

You can use the UI packages as a starting point for more customized panels. The framework these UI packages are build upon allows you to add more functionality in the same design.

YEARS OF EXPERIENCE

We've gathered all the knowledge and experience our Cerebrum Designers have accumulated over the years since Cerebrum was released, and combined it all into these UI packages.

CONTINUOUS IMPROVEMENTS

We continue to develop and improve the user interfaces in these UI packages, please reach out to your local EVS support teams for the latest updates.

Advanced Router

All-in-one router control panels to control your entire routing workflow

The Advanced Router UI package is a complete solution for both simple as well as complex routing workflows. The panel has 4 modes to easily navigate around the huge amount of possible routing actions. These modes can be configured easily via the settings button in the top right corner, and can be hidden if not required. The UI panels come with standard EVS colors, but this can be be changed in the user preferences.

The following features and actions can be configured:

- XY mode
- Shuffle mode
- Packager mode
- Device mode
- House format
- Date & time format
- Routed source
- Break source
- Park source
- Undo
- Hot keys
- Metadata
- Tags
- Search bar
- Source users
- Inserts
- Breakaway status
- Destination trace
- QC follow
- Color coding
- Track selection modes
- Tag editor
- Auto park packages
- Auto level selection
- Tag shuffle

Each function is depending on the (3rd party) devices being controlled. The interfaces presented in this document have been validated in a Strada router configuration and using Neuron as a processing devices

Advanced Router - XY Mode

Navigation

Sources and Destinations are organized using the Category system in Routemaster. The **Category Trail** allows for fast navigation around nested Category levels. The **Hot-Key** feature allows sources and destinations to be assigned to fixed buttons so they are always accessible without having to navigate to them. The **Search Bar** offers another option to quickly find any source or destination in the Routemaster table.

Views

Button labels can be toggled between 3 different **Alt Mnemonics** labels, as well as **IO Mnemonics**. The Source buttons can display live **Tally Status** up to 3 levels. Source buttons can also show **Break-away** status if a selected destination contains multiple sources. The header bar allows a toggle between the **Level Selection Bar** and a live **Destination Trace**. The **Source Users** shows which destinations are currently using a selected source for a quick overview before applying changes.

Locking

This feature can be enabled as a simple Lock/Unlock button but can also provide **Lock Notes** where a user must enter some text to lock a destination. This message is displayed whenever the destination is selected allowing an easy explanation for all users as to the reason for the lock.

Special Sources and Destination

The **Break Source** control allows the user to temporarily insert a signal on press and hold. Once the control is released the original source will be routed back to the selected destination. **Park Source** can be configured as a default source when a device is not in use and can be used to indicate availability status in Cerebrum. The **Monitor** or **QC Follow** allows a designated destination to automatically route a selected source, destination or pre-defined fallback source.

Speed tools

The **Undo** control enables users to quickly undo the last set cross-point. There are keys for selecting All Levels, Audio Only Levels and **Automatic Level Selection** which will set the levels based on logic and show which ones will be set.

Metadata

The **Metadata** stores information for a specific Source or Destination which can be used in any router control user interface. Example metadata values are: Source and Destination Icon, Associated device configuration, Associated and Linked signals and Mnemonics editor

Inserts

Using the **Metadata,** processors such as Neuron Bridge or Convert can be treated as **Insert** sources. When adding or removing a configured **insert** two crosspoints will automatically be made to place the insert between a destination and routed source, or to remove it.

Advanced Router - Shuffle Mode

Views

Users can toggle between **Grid** view which shows each level of a selected destination on separate buttons and **Matrix** view where a graphical representation allows for crosspoints by selecting dots in a matrix. Whilst in this mode there are also configurable presets available for speed, such as 1 to 1 and All 1-2. **Source Users** is also shown in Shuffle Mode.

Speed tools

There are designated buttons for **Silence** and **Tone** sources so these can be routed quickly to any destination. The **Undo**, **Search** and **Alt Mnemonics** switching is also available on this panel. Users will also find **Select all levels** here just as in XY Mode. The **Tag Editor** makes matching levels ready for routing fast and easy.

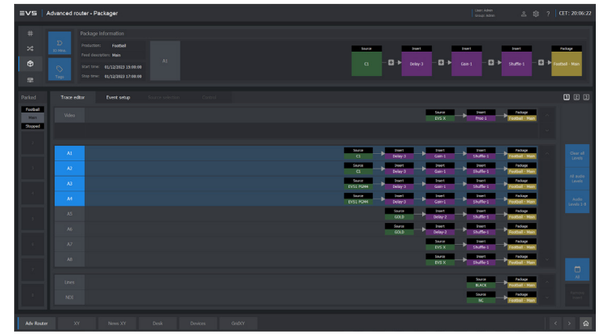
Locking

This panel supports **64 Audio Levels**. Users have **Single/ Dual Track Selection** available as well as optional **Color Coding** of sources to make visual overviews easier to follow quickly. **Smart Routing** will manage logical level matching between sources and destinations.

Advanced Router - Packager Mode

Virtual Source Builder

The packager allows users to build **Unlimited Packages** to be used as sources. There are 3 different views to select from. **All Events** view gives a complete picture of all packages currently configured. The **Parked Events** will show any packages which have been 'parked' for imminent or regular use. The **Event Editor** view allows for the creation and configuration of new packages.



Personal configuration

The packager allows you to give your event a custom **Icon** as well as a start and end **Time & Date** which shows at a glance which packages are finished or ready to be used or reused. Each event package can be configured to use any combination of the available audio levels, video levels, inserts and data levels to adjust the virtual source output. Adding and removing processors, delays and audio shuffling becomes easy with **Destination Trace** visuals.

Helpful tools

The **Alt Mnemonic** switching is also available here, as well as the **Monitor/QC Follow**. **Package users** helps to check if a package is in use.

Advanced Router - Device Mode

Device Insights

In this mode the **Metadata** stored can display individual **Device Details** such as ip address, name and type.

Total Control

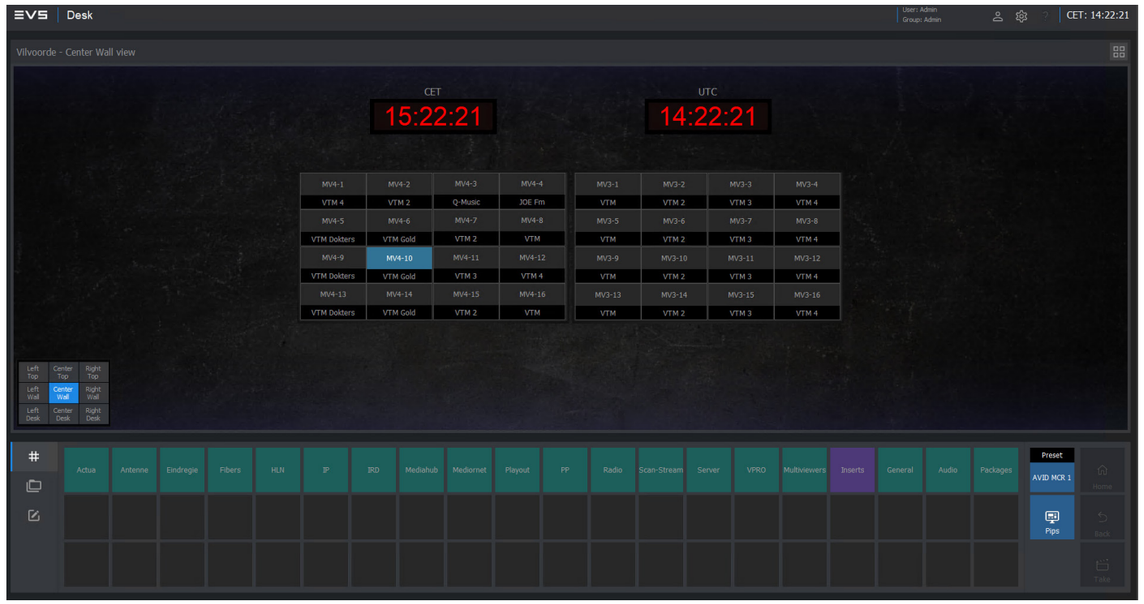
Each device type can have a **Custom Control UI** for any specific parameters the user wants to be able to set, such as audio delays or color correction. The device ip address is used to provide an integrated **Web** control and optional **Stream Player**.

Flexible Monitoring

Real time alarms for individual devices can be configured to make monitoring your whole system easy. Users can choose to **Clear** or **Mask** specific alarms according to their own preferences. Alarms shown can also give **Live** or **Latched** status allowing for an instant or recent overview.

Desk

Easily control and configure your multiviewer monitor walls



The Desk panel provides a place to easily control and monitor Multiviewers, Monitors and other devices such as KVMs and speakers. There are 3 modes in the bottom of the panel: route to pips/monitors, save and recall layouts and presets and the layout editor to create a new layout. Thanks to areas being split into stacks users can quickly find and control any device.

This panel provides a graphical representation of your workspace to make routing and configuring your devices fast and easy. See your monitor stacks and desks with clickable interaction for control.

The following features and actions can be configured:

- Stack Selection
- Easy Routing
- Save & Recall
- Live Tally Display
- Live UMD Display
- Control any device
- Optional Take button
- QC Follow

The Desk UI Package is limited to only work with Neuron View multiviewers.

Stack selection

Walls, areas and rooms can all be organized into separate stack views which give a graphical representation of that stack. The **Stack Selection** provides an easy way to navigate to the area and monitor required.

Easy Routing

The sources panel is category driven by Routemaster. Simply select the monitor or pip and then your source for fast **Easy Routing**.

Save & Recall

There are two options to **Save and Recall** just the layouts for example the number of pips, size etc or the layout including the routed sources. This means that setups for shows can be easily and quickly recalled.

Live Tally Display

The panel can show **Live Tally** status on the individual pips with a colour border. This is really helpful when making live changes.

Live UMD Display

Similar to the live tally, **Live UMD** status can be shown on the pips reflecting the real status and is a helpful reference between engineers and users.

Control any device

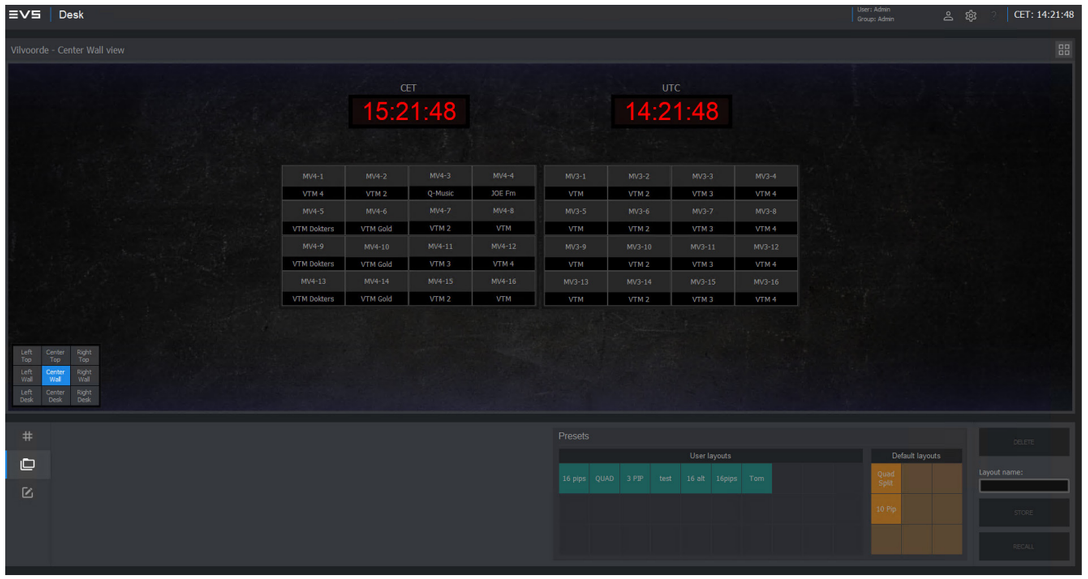
The desk page can be used to control and monitor any kind of **Device**, such as KVM, speakers or On-air lights to give a complete picture of any operating position.

Optional Take

On the routing panel there is an optional **Take** button depending on the user preference.

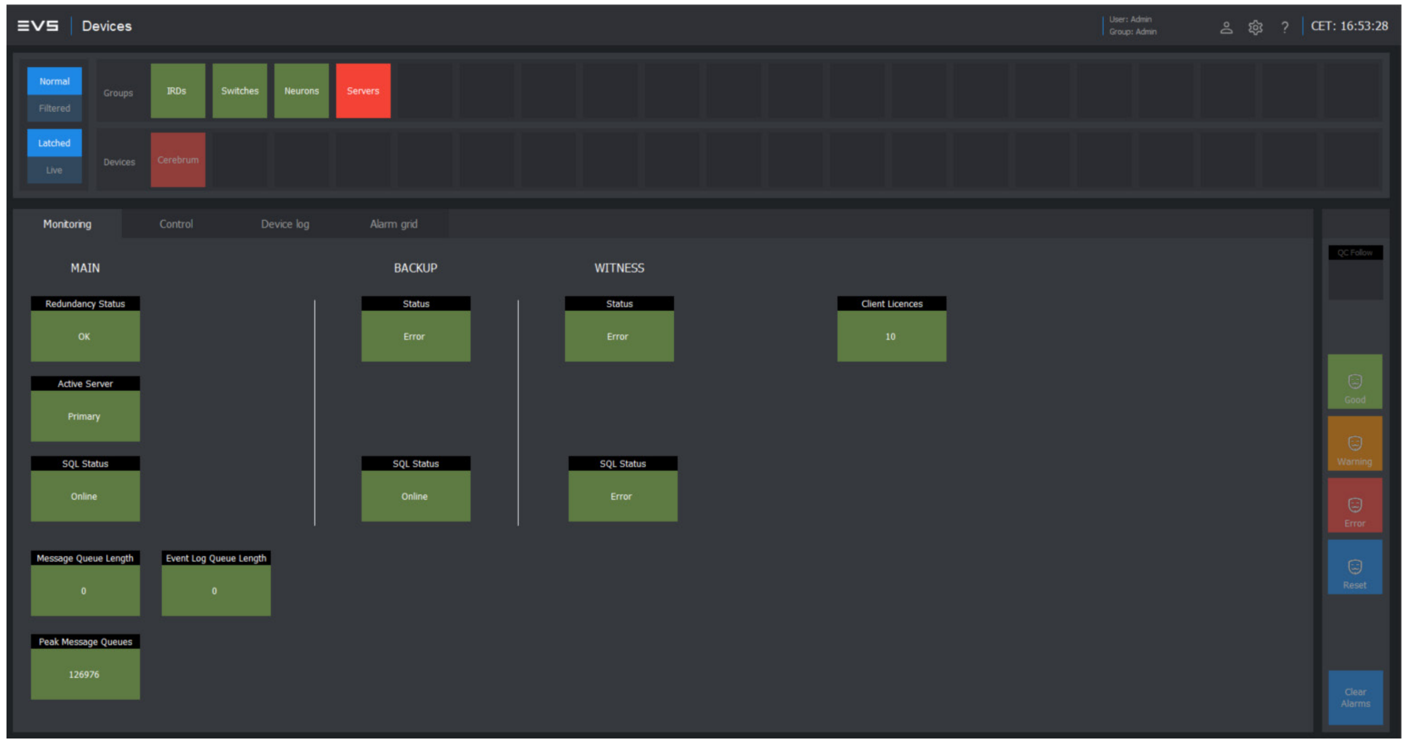
QC Follow

The **QC Follow** feature is optional on this panel to provide a helpful live monitor of whatever you are routing.



Devices

Monitoring and alarming panels for all your devices



The Devices UI Package allows a complete overview of all devices connected to Cerebrum that you want to monitor. An enhanced version of the native monitoring and alarm system, this panel gives users easy access and clear, selective alerts and information. Devices can be organized into groups allowing you to see only what is relevant in a huge amount of available live data. You can individually define ranges for the alarm status of each object monitored, such as temperature and speed ranges.

The following features and actions can be configured:

- Quick navigation
- Native functionality
- Live Monitoring
- Mask alarms
- System-wide alerts
- Filters
- Control tab
- Device log
- Cerebrum alarm grid

Each function is depending on the (3rd party) devices being controlled. The interfaces presented in this document have been validated in a Strada router configuration and using Neuron as a processing devices

Easy navigation

Sources and Destinations are organized using the **Category** system in Routemaster. This makes adding and configuring alarm devices quick and easy.

Native functionality

The devices UI package utilizes the native **Alarm system** in Cerebrum so the system view alerts will always show the same alarm status as in the panel to avoid confusion.

Live Monitoring

Select any live data available to Cerebrum to display in the monitoring panel. For example SNMP mibs can be used to display values for specific **Objects** such as fan speeds and signal status. This is a powerful tool to easily find the information relevant to the user.

Mask alarms

Just as in the native application, this panel allows users to mask alarms to **Good**, **Error** or **Warning** status to allow known problems or expected behaviour to be ignored. Alarms can also be reset here.

System-wide alerts

There is an option to show Alarms in the **Header bar**, no matter which panel the user has loaded. This provides confidence that all is well with your system without checking the devices panel.

Filters

The top of the panel allows an overview of all devices which can be filtered by **Live** status or **Latched**, to show recent status. There is also an option to view **Filtered** device groups to hide any groups in a Good status.

Control tab

Gain easy access to your **Device control** interface when an alarm is triggered to aid further investigation without having to navigate to the device in question.

Device Log

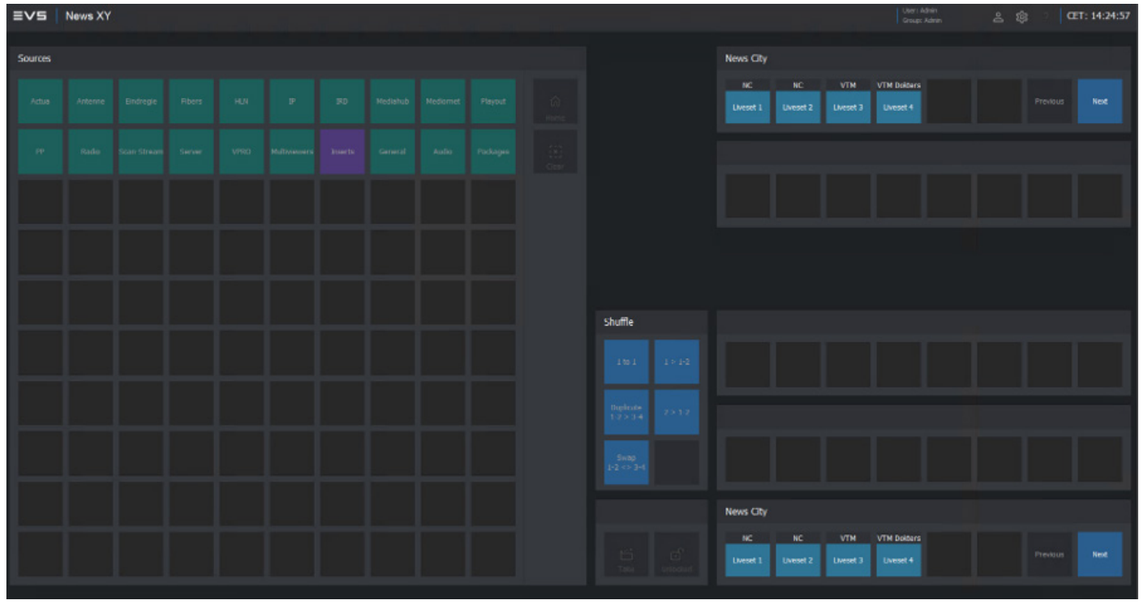
The log is a place to leave notes about a specific device. These **Text Notes** can be arranged in groups such as instructions, known issues or firmware version upgrade details. The log provides an easy place to access all of these user notes.

Cerebrum alarm grid

Here you can also easily access the native Cerebrum **Alarm event log** for the selected device without having to navigate away from the devices panel.

Flex XY

Simple XY routing panel



The Flex XY panel is for less technical users who may simply want to route a few signals regularly without all the extra features provided by the Advanced Router. This is a simple easy design with configurable layout options creating multiple panels which align individual needs.

The following features and actions can be configured:

- Quick navigation
- Metadata
- Lock/unlock
- Take option
- Modular sections
- Common preset layouts
- Next/Previous
- Home

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Easy navigation

Sources and Destinations are organized using the **Category** system in Routemaster. This makes adding and configuring alarm devices quick and easy.

Metadata

This panel uses the **Metadata** to store the configuration of the panel meaning you can have any number of these panels with different configurations.

Lock/unlock

The **Lock** button is an optional feature allowing users to lock or unlock a selected destination.

Take option

The panel can be configured to either use the **Take** button or as direct take for speed.

Modular sections

The destinations side consists of configurable **Modular Sections** to allow for individual layouts.

Common preset layouts

The settings cog allows each Flex XY panel to be configured quickly with **Preset Layouts**. For example switching between 5 and 8 destination sections is just a few clicks.

Next/Previous

The destination modules are not restricted by the number of buttons in each module. If a category holds more destinations than the buttons available a **Next** and **Previous** button will automatically appear.

Home

On the sources side the **Home** button will always take you directly back to the top level category for speed and ease of use.

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