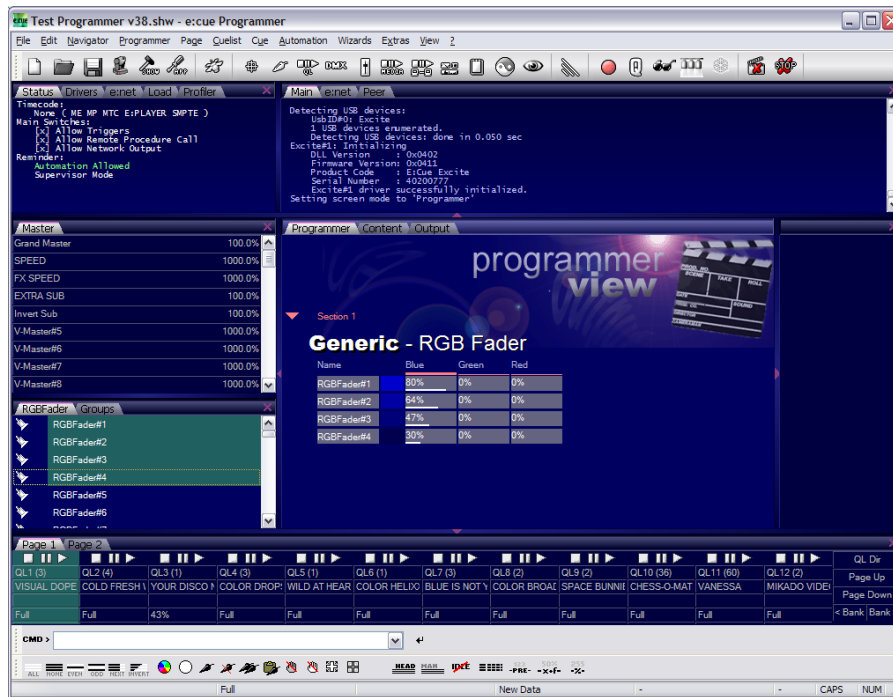


e:cue Application Suite v3.8 SP2

What's new?



Document Revision 1.2
4.3.2008, CB

The new e:cue application suite V3.8 SP2 represents the 'final' release of the 3.8 family of e:cue software. This document lists all improvements we made to the several software applications since the last major release, the application suite V3.8 SP1.

programmer

With V3.8 SP2, the Programmer features support for the two newest e:cue Hardware Devices, notably the excite+ DMX IN/OUT and the connect base I/O system.

The excite+ is the successor of the well-known twilight excite DMX output device with all its abilities and featuring the possibility to be used as a DMX input as well, using the enclosed gender changer.



The connect base allows connection of separate systems. Through a modular slot-system, allowing to add input- and output-cards just as you need. The connect base can be powered through PoE compatible network switches and injectors.



New Drivers, Library Updates

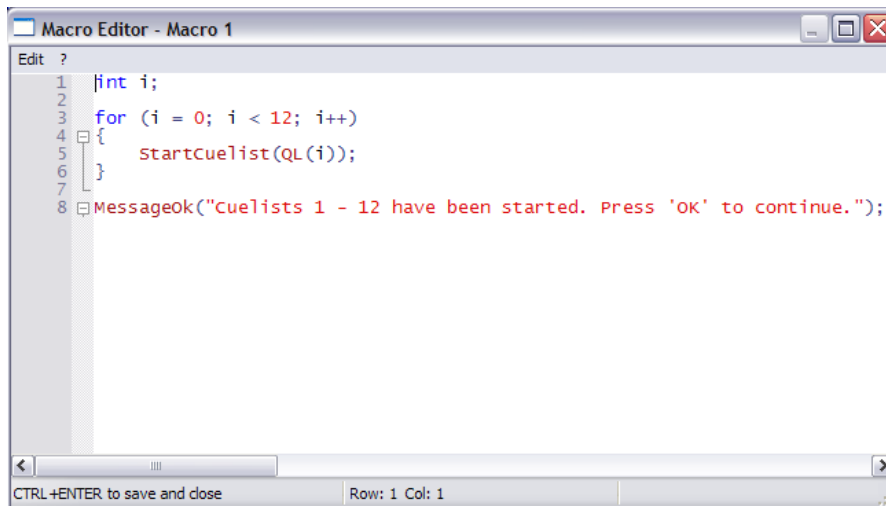
- Drivers for the new e:cue hardware devices, notably the connect base I/O system and the excite+ DMX I/O interface have been added to the e:cue programmer.
- Additionally, drivers for fader unit, nano, excite, excite+, USBDMX212 and me2 midi board will be installed by the programmer setup if wanted.
- The e:cue hardware devices now have their own group "e:cue devices" inside the Windows Device Manager.
- Several Entries have been updated or added inside the fixture library.

New e:script Editor

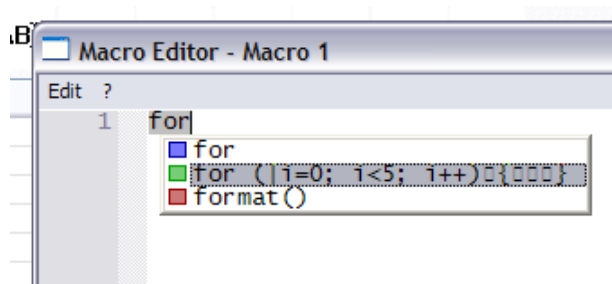
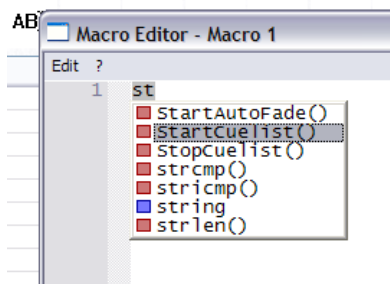
The e:cue programmer 3.8 SP2 features a new, greatly improved e:script editor based on the well-known Scintilla editor component.

Main Features are:

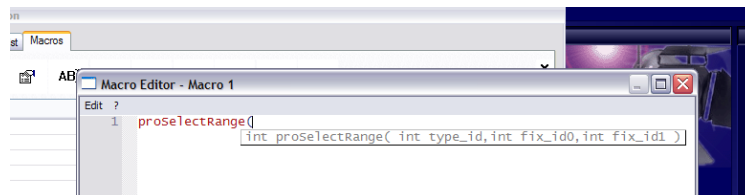
- Syntax Highlighting: Different colors for several keywords and e:script commands will make the script code much more legible.



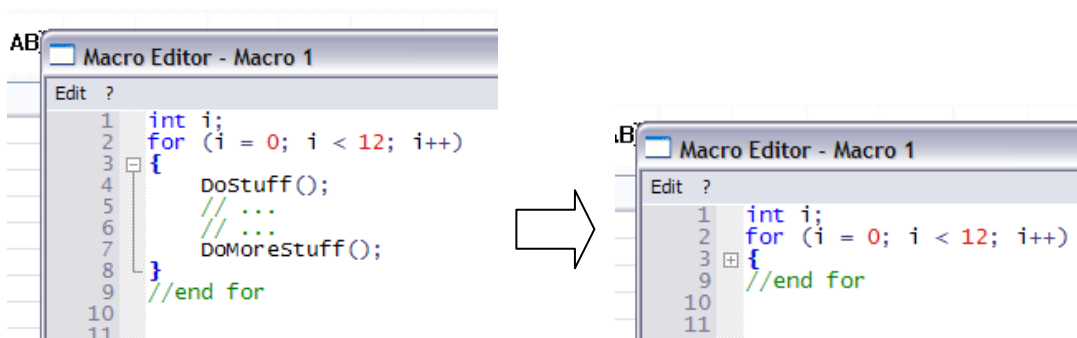
- Auto-completion: By pressing Ctrl-Space or Ctrl-Shift-Space, you can pop up a suggestion window with e:script commands that fit to the characters right before the cursor position. There are also several patterns available for structures like a for-loop or a switch.



- Parameter-preview for e:script commands: When the brackets of an e:script command have been opened, a tooltip will appear, displaying what kinds of parameters the command expects. This is especially useful while working with commands that expect a lot of parameters. You will also be much less dependent on the e:script language reference.



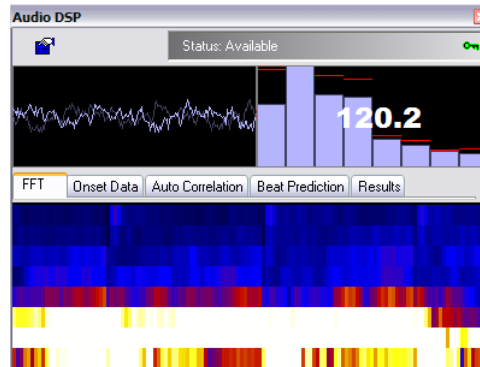
- Code folding: For greater clarity's sake, you can collapse and expand coherent code blocks.



New Audio DSP

As of 3.8 SP2, the Audio DSP has been completely reworked. Nearly every aspect of the new DSP offers a great increase in quality and reliability as well. The key improvements are as follows:

- Improved mapping of sound to light: The mapping of certain frequency bands to fixtures will now result in effects just like anyone would expect.



- The BPM-detection module will now be able to analyse a wider spectrum of music correctly. Also, the results will be very stable against temporary (short) BPM variations.
- The beat prediction will foretell when the next beat is to be expected. The prediction is robust against temporary Beat dropouts inside audio signals and will correctly even predict "silent beats".

patchelor

Several new metalib-entries have been added.

network configuration tool

- You can now select which network card the NCT will use.
- Support for the e:cue connect base I/O-box has been added. Additionally, a firmware update wizard for the connect base has been implemented.
- By clicking the red button at the front side of a butler device, this butler will now automatically be selected inside the NCT.

ufgm player

- A memory-leak have been fixed. This will ultimately prevent the UFGM from crashing when running for a long time (like more than four weeks continuously).
- Performance tweaks:
 - The Patch import has been greatly improved.
 - When the video resolution is the same size as the target matrix, no more unnecessary scaling will be made. This results in a massive performance increase, especially with high resolution videos.
- Support for the old Patchfile-format has been discontinued.
- One pixel from the video can now be mapped to more than one DMX-Address.