



The Nottingham

New Theatre

Fringe Handbook

How to setup and use the Fringe
lighting desk (ETC Nomad)



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Welcome to Fringe at NNT! It's a great place to play around with the more experimental theatre we do here, and the same can be said for the tech.

This guide will take you through the basics to get up and running with lighting in any Fringe venue - not just limited to Studio A.

If there's anything missing, or you still have questions, please ask! I'm always happy to answer any questions you have, give training to fill any gaps in knowledge, or add something you think is missing to this guide. Either find me in the theatre for a chat, or shoot me an email: tech@newtheatre.org.uk

Hope you have an awesome Fringe show!

- Sam Osborne, Company Technical Director

Getting Started

In the NNT Fringe season, the lighting desk is an ETC Nomad. This is a touchscreen computer, with all the usual computer accessories like mouse and keyboard.

The computer itself is mounted onto the rear of the touchscreen, so it all comes in one package.

Spec: Intel NUC running Windows 10



(Windows login screen, if all has gone to plan)



(Far left: ETC Gadget; far right: NUC PC)

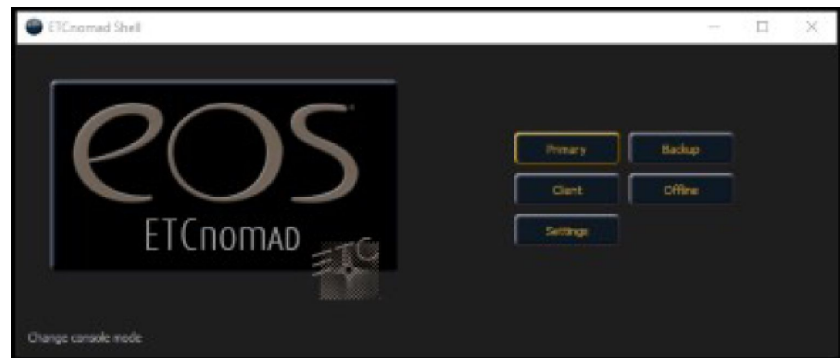
In addition, there is a USB-DMX device - ETC Gadget - on the rear of the touchscreen that allows the computer to control the lights.

The Steps

1. To get started, plug in all the things.

Ensure the mouse, keyboard, touchscreen and gadget are all plugged into the PC (aka the NUC).

2. Plug the computer and monitor into the mains and turn on by pressing the ON button on the NUC.
3. Log in, if prompted, using the *newtheatre* account and *lx* as the password.
4. Look for the *Launch EOS Family* icon on the desktop and double click (or double tap) it.



5. On the splash screen, click *Primary*

When using this computer, you will only need the EOS software. You don't need to worry about an Internet connection, and it's advised you mute the sound (in case of any Windows system noises!).



Common Issues

The combination of software and hardware can have some issues associated with it. Here's how to solve the most common.

1. The touchscreen doesn't work

Make sure there is a USB cable running between the touch screen and the NUC. If it's connected, try turning the screen off and on again; and then the NUC off and on again using the keyboard and mouse to navigate to the shutdown menu.

2. Can't control the lights

Using the EOS Software, *GoToCue + 0* to ensure all DMX output is at 0, exit the software, and restart the computer with the DMX cable connected and all lights turned on. That is to say, any dimmers are turned on at the mains; and intelligent lights are turned on at hard power.

If the desk is still not controlling the lights, further troubleshooting with the ETC Gadget connection is in Appendix 2.

Programming the Nomad

Despite using the EOS software, just like the ION, you'll notice (hopefully) that there aren't any physical buttons.

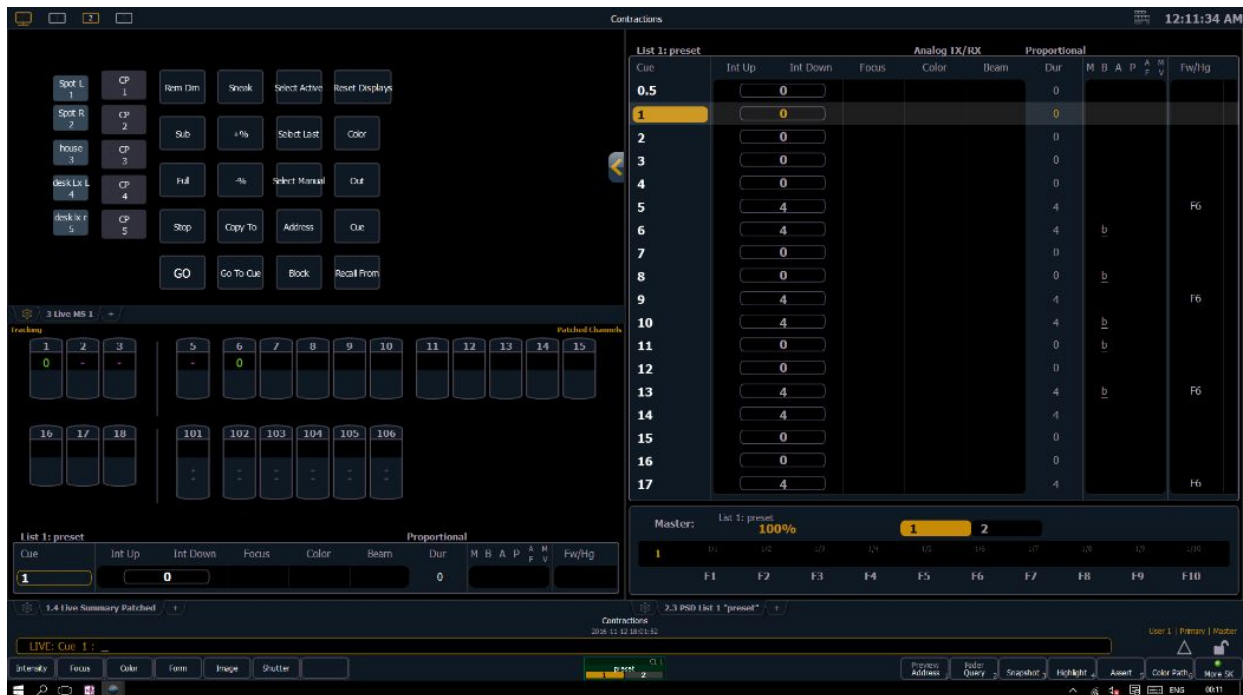
Almost every button from the full programming surface has a corresponding keyboard shortcut (see Appendix 1). It'll speed up the process significantly to familiarise yourself with those.

You can view all the buttons available on a virtual keyboard (somewhat reminiscent of the ION) by clicking the keyboard symbol in the top right corner, (see below). Using the *SHIFT* key on the physical keyboard you can apply it to clicking on this virtual keyboard (e.g., physical keyboard *SHIFT* and clicking on *UPDATE* will save the show).



In the meantime, there are some sensible defaults that you can use by starting with the *NNT Fringe Base File*. Make sure to *Save As* your own show to ensure you don't overwrite the base file.

Workspace 2 - Plotting



Workspace 2 has been set up to help with plotting. It is split into 3, with a Magic Sheet of useful keyboard buttons in the top left; the live channel view in the bottom left; and the cue list on the right-hand-side.

Workspace 3 - Operating

Workspace 3 is arranged to navigate through the cue list when running the show.

Going back to these defaults

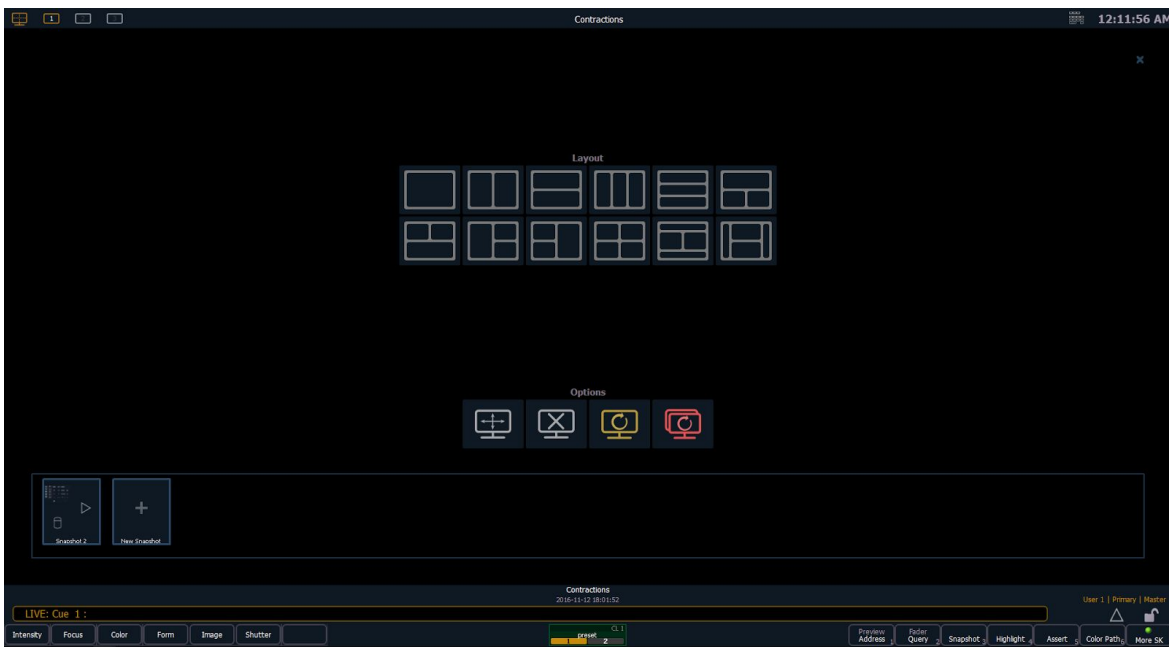
There is a snapshot set up that, if restored, will return the screen layout back to the above.

Via the menus:

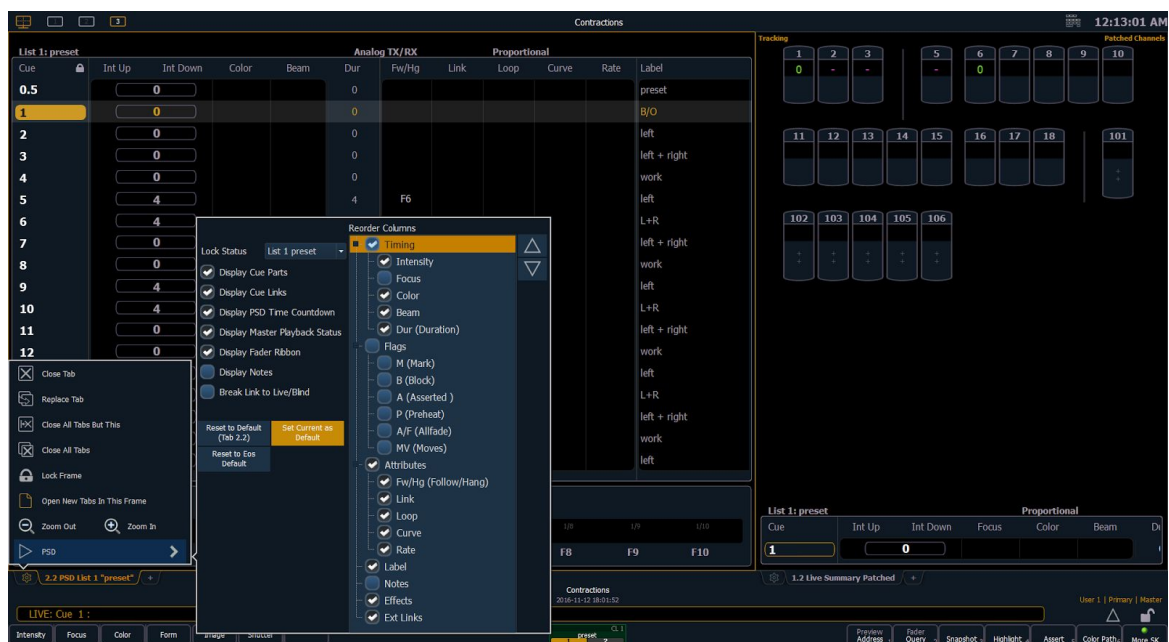
Keyboard shortcut: *CTRL + S* -> 1 (where 1 refers to Snapshot 1)

You can go your own way

As well as using the pre-configured workspaces, you can make your own, or edit the existing set up. By clicking the workspaces icon in the top left, you can change the layout of the workspace in a number of different ways.



Additionally, a lot of tabs have configuration options for which parts are displayed. A prime example of this is the cuelist: by right-clicking on the tab, different columns can be toggled for a more economical use of screen space.





Appendix 1: Keyboard Shortcuts

Source: ETC ION Operations Manual

Command	Shortcut Key	Command	Shortcut Key
Help	Alt /	Park	Alt K
Live	F1	Part	P
Blind	F2	Patch	Alt 3 (from Displays)
Displays	F9	Preset	Alt P
+%	shift +	Recall From	Ctrl E
-%	shift -	Record	R
Address	Alt A	Record Only	ctrl R
Assert	Ctrl W	Rem Dim	H
At	A or @	Select Active	Ctrl A
Beam Palette	Alt B	Select Last	Ctrl L
Block	B	Select Manual	Ctrl M
Clear	Backspace	Snapshot	Ctrl S
Colour Palette	Alt C	Sneak	N
Copy To	C	Stop/Back	Ctrl Spacebar
Cue	Q	Stop Effect	Ctrl Alt E
Cue Only/ Track	X	Submaster	S
Effect	Alt E	Time	I
Flexi	F3	Thru	T
Follow/ Hang	Alt 2 (from Cue)	Undo	Ctrl X
Go	Spacebar	Update	U
Go to Cue	Ctrl G	Virtual Keyboard	Ctrl K
Go to Cue Zero	Ctrl Alt G		
Group	G	Delete	Delete
Label	L	Shift	Shift
Mark	Alt 6 (with CH selection)	. (decimal)	.
Next	Pg Down	Tab	Tab
Last	Pg Up	- (minus)	-
Out	O	+	=
		/	/

Appendix 2: Troubleshooting the ETC Gadget

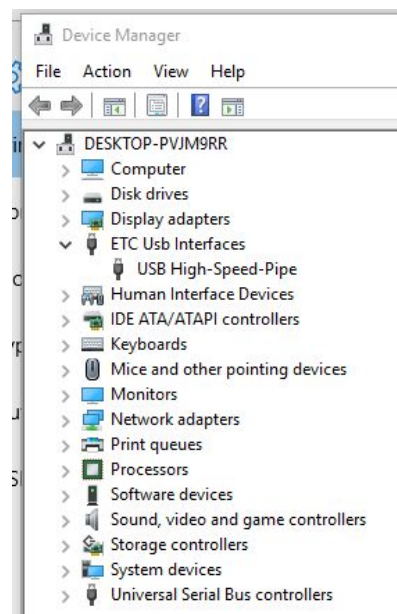
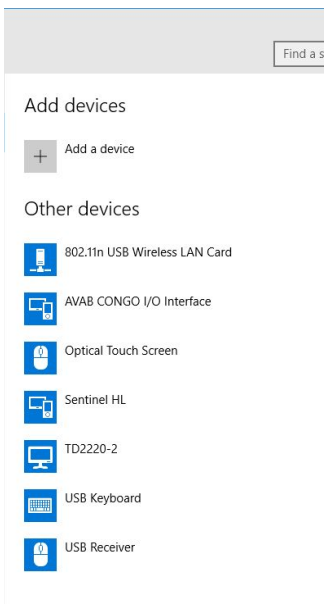
Make sure the NUC has identified the Gadget. There are two ways of doing this:

Windows Settings

Under Windows Settings -> Devices, make sure *AVAB CONGO I/O Interface* is listed.

Windows Device Manager

You can open Device Manager by searching in the Start Menu. Look for *ETC Usb Interfaces*, under which should be *USB High-Speed-Pipe*.



Make sure the EOS Software has identified the Gadget. Open the *EOS Family Software*, and at the splash screen, click *Settings* and navigate to the *Local I/O* tab.

External Device 1 should be listed (right).

