

VML Lighting System

User handbook

November 2008

Introduction:-

The VML lighting system ('grid') consists of two parts:-

Fluorescent lighting

- which covers 95% of the studios ceiling space and has an approximate colour temperature of 3400 degrees K. The average illumination at floor level is approximately 5500 lux.

Tungsten lighting

- the more conventional type of stage/TV tungsten lighting. These have an approximate colour temperature of 2000 to 3600 degrees K depending on the dimmer setting.

Read this! Very Important

Both lighting systems are fed from a common electrical power source.
The maximum current allowed is approximately 12kW.

The fluorescent lights consume around 10kW when at maximum power, this leaves only approximately 2kW for the tungsten lights.

When using both systems together (not recommended) do not exceed the maximum allowed by the electricity supply.

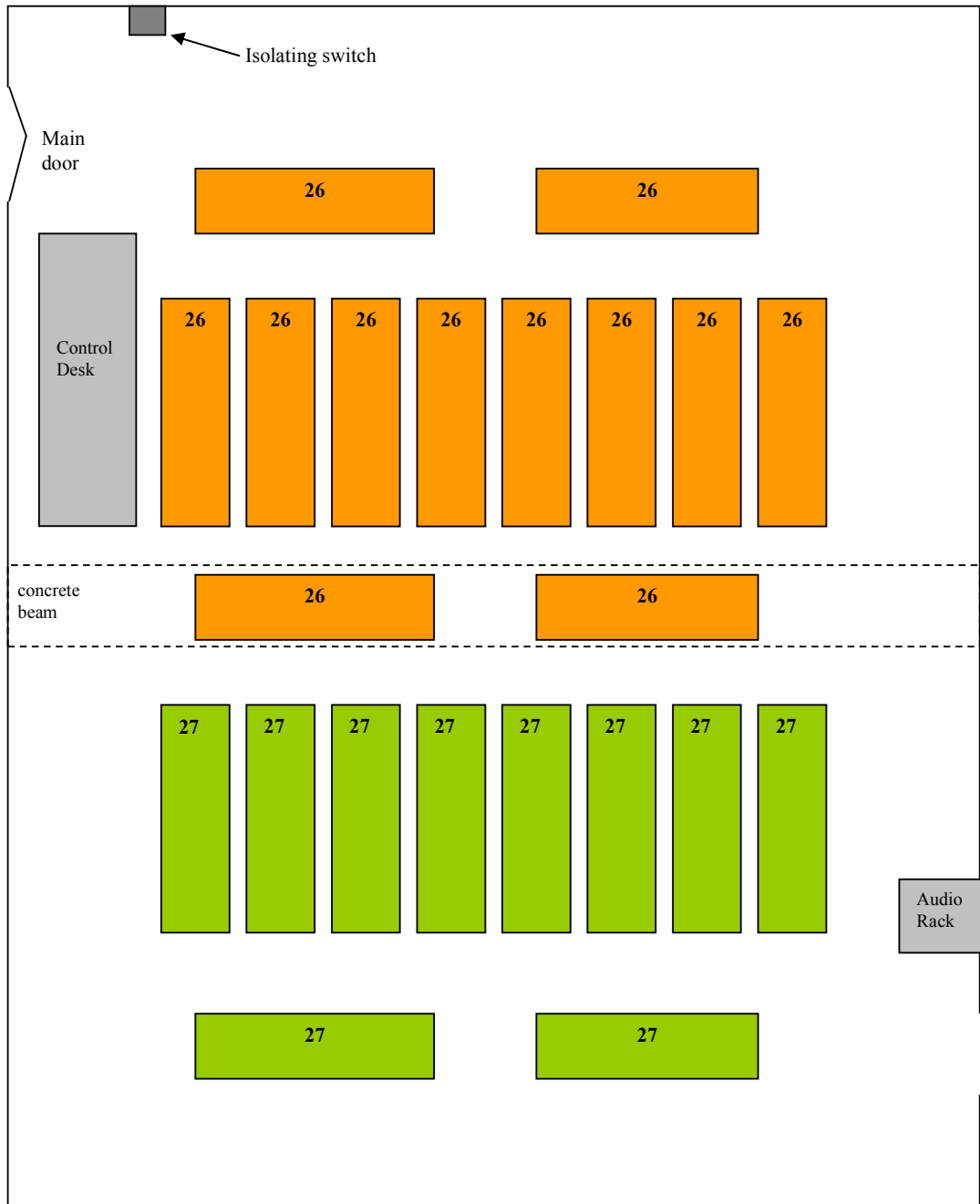
Exceeding the limit may blow the circuit-breakers – they can only be reset by the University's Estates & Buildings department.
This will inevitably delay your project time within the VML.

In case of random setup eg., after a power-cut

Press 'Fixture' button followed by the '1'.
Select lighting channel as per page 7

Controlling the lighting systems:-

Fluorescent:- Use channel 26 for the left-hand side of the VML
Use channel 27 for the right-hand side of the VML
(as viewed from main control-desk)

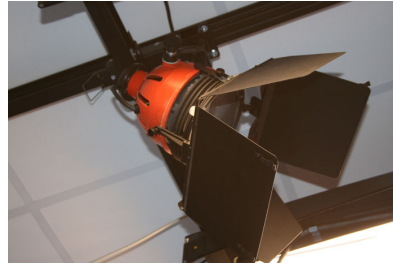


Tungsten:- Use channels 1 to 25

You might be using one of these
(1.2kW spot)

OR

one of these
(800W 'Redhead')



Each console channel equates to one of the 15A sockets located around the VML.
In this example channel 3 would have been used:-



Important –

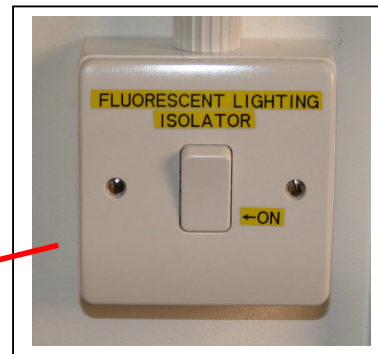
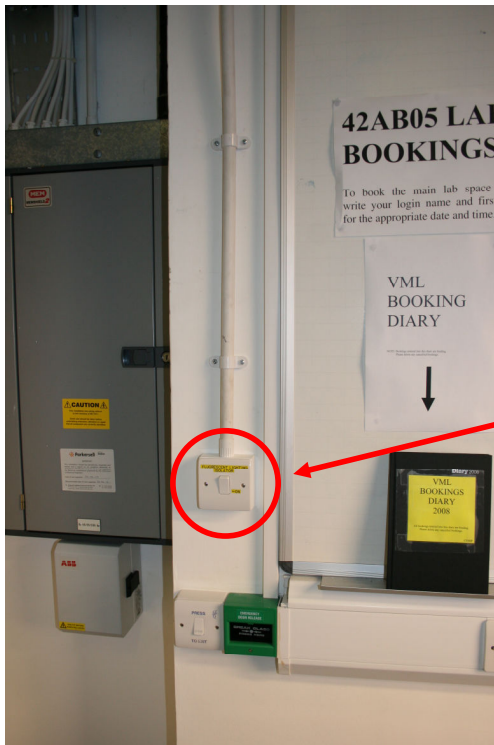
- Refer to the power limitations mentioned previously on page 2.
- Use of the tungsten lights is to be deprecated as the newer fluorescent system offers brighter, cooler and a more diffuse illumination.
- When there is a justifiable reason please be aware that ceiling fixing points are very limited, and that with use the tungsten lighting casings will become very hot.

Ensure that you do not heat damage the cameras or fluorescent fittings!

Power switching

For safety reasons it is suggested that the fluorescent lighting system should be turned off overnight and at weekends.

The studio's fluorescent lighting grid can be isolated from the electrical supply system by way of an isolation switch located to the left of the VML's main door.



‘On’ is when the lower part of the rocker switch is flush with it's casing as shown above

- This switch has no effect on the rest of the VML's equipment such as the main console, the tungsten lighting system, or any workstations / PCs etc.
- Only the University's Estates & Buildings staff can reset an electrical circuit-breaker if it trips out. This fault should be logged via the CVSSP administrator.

Basic operation of the console

The following is a quick start guide to using the Elation console.
For more details as to the console's advanced features please refer to the official Elation Show Designer 1 manual located at the back of this guide.



The console is usually left switched on.

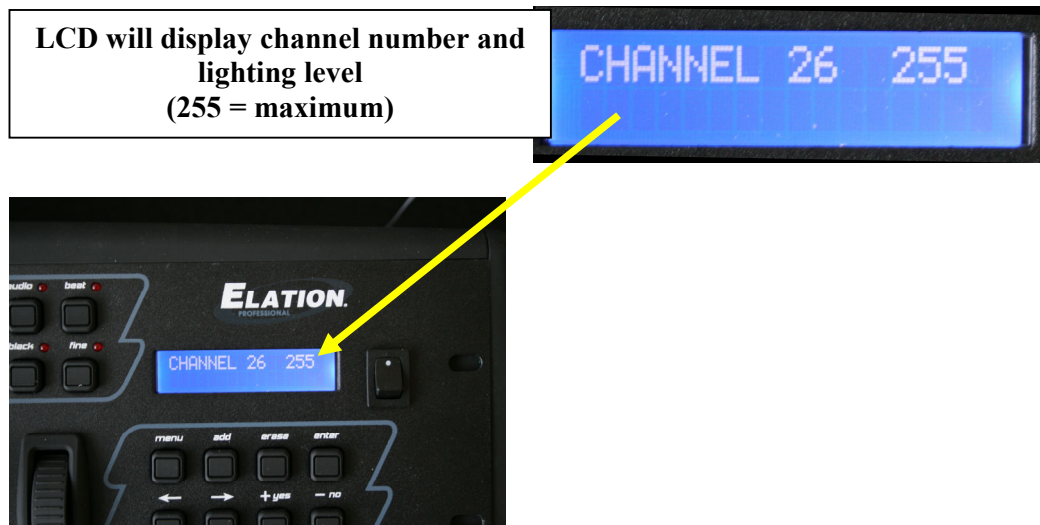
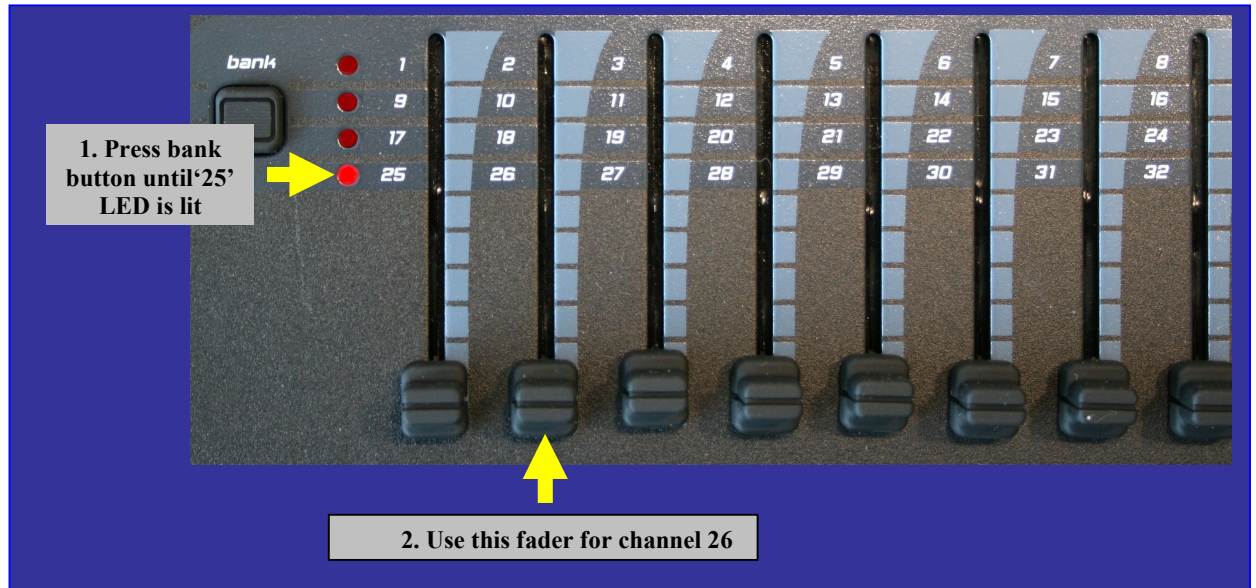
If this is not the case use power switch (arrowed) and watch for LCD display as shown above.

Selecting a lighting channel

The console has 8 faders which can be used to select any of the 32 lighting channels.

Use the 'bank' pressbutton to select the relevant number range and then adjust the fader as required.

For example, selecting channel 26



Advanced operation

To appreciate the more advanced features of this controller please refer to the manufacturer's official operation manual printed on the following pages.