

VIKING VK3010 LED PAR

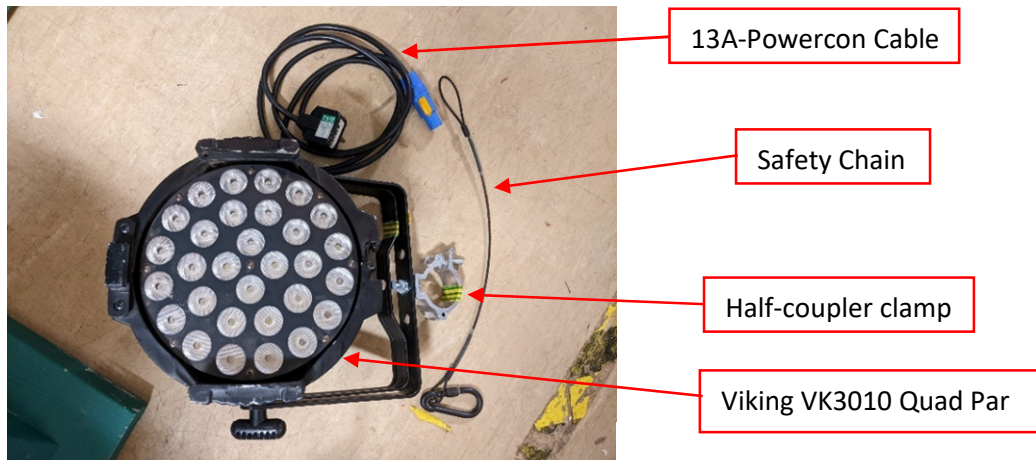


INVENTORY

The VK3010s are typically supplied as a set of 4 in a wheeled flight case. They may be parted out for smaller hires. When supplied as a set of 4, their inventory is thus:

Item	Quantity
Viking VK3010 Quad Par	4
Half-coupler clamp	4
Safety Chain	4
13A-Powercon Cable [SUBJECT TO CHANGE]	4
Wheeled Flight Case	1

The PowerCON cables we supply the VK3010 may be subject to change, please check with us if you are unsure what adapters you may need.



INTRODUCTION

The Viking VK3010 is an RGBW (Red-Green-Blue-White) LED PAR light. It is supplied with clamps for rigging at height, but may also be placed at floor level, thanks to its folding stand handle. The VK3010 excels at adding bright splashes of colour to shows, however the quality of its light makes it less suited for direct facelight. Consider using it as sidelight or backlight. Note that the VK3010 has a fairly loud fan.

The VK3010 is an *intelligent* lighting fixture – this means it needs a DMX-capable lighting desk with colour controls (such as an ETC Nomad or Ion) to control it properly.

DOS AND DON'TS

- DO NOT use these fixtures outdoors – they are not waterproof!
- DO NOT connect these fixtures to a dimmer circuit of any kind unless the dimmer circuit has a *bypass* or *non-dim* mode.
- DO heed all safety warnings associated with the equipment.
- DO use the included safety chain when rigging the fixtures.

BASIC CONFIGURATION

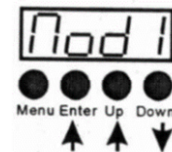
SETTING THE DMX ADDRESS

The VK3010 can be remotely controlled from a lighting console via DMX. For DMX control, the VK3010 needs a unique DMX address that does not overlap with any other equipment in the system, for example, the house dimmers or any other LED fixtures. The address can be set by pressing the Menu button until it shows AXXX on the display. Press the Up/Down buttons to select the address and press Enter to save it.



The buttons on the VK3010 are quite stiff and don't always register presses. Push them firmly and if necessary, give them a slight wiggle.

The VK3010 has three DMX modes. For theatrical purposes, **Mode 2 (5-channel) is most suitable**. To set the mode, press Menu until it shows Mod1/Mod2/Mod3. Press Up/Down to select the desired mode (typically Mod2) and press Enter to save it.



When patching multiple VK3010s, their addresses must not overlap. For example, a VK3010 in 5-channel mode on address 101 uses addresses 101-105. Therefore, subsequent VK3010s should be set to address 106, 111, 116 and so on.

PATCHING THE VK3010 IN EOS

To access the Patch screen in Eos press [Displays] and then the {Patch} softkey. Type the channel number you wish your fixture to appear as in Eos, then press [At], then type in the DMX address you set on the fixture. For example, [1] [At] [101] would patch a VK3010 at DMX address 101 to appear as channel 1 in Eos.



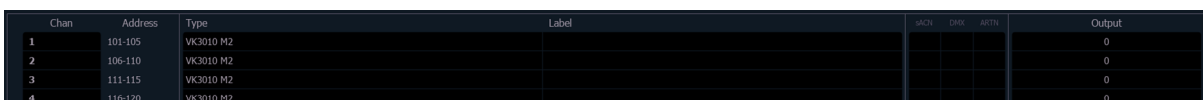
We now need to set the fixture type, so that Eos knows what kind of light it is controlling. Recent versions of Eos have fixture profiles for all three DMX Modes. These may be found in Type > Search > Viking Stage Lighting > VK3010, as shown here:



Older versions of Eos (for example at the Pilch) may not come with a fixture profile for the VK3010. In this case, set the VK3010 to DMX Mode 2 (5 channel), and patch it in Eos as a Generic IRGBW 8B fixture, as shown here:



A successful final patch for four VK3010s in Mode 2 might look like this:



EXAMPLE CONFIGURATIONS

These are some worked examples of typical uses of the VK3010. This is not an exhaustive list – the VK3010s are extremely flexible fixtures and can be used in pretty much any venue, though you may need additional adapters (e.g. 16A-13A for Keble O’Reilly shows) or an ETC Nomad if the venue does not have an Eos control desk. If in doubt, consult the venue’s technician or a Hires Rep.

PILCH STUDIO (GRID LEVEL)

Additional equipment needed: 15A-13A adapter(s), 3-pin XLR cable(s), 5-3 pin XLR adapter(s).

1. Set the DMX address and personality of the VK3010. Make sure the address is greater than 60, so that it does not overlap with the Pilch dimmer addresses.
2. Rig the VK3010 safely, including the supplied safety chain.
3. Select a dimmer circuit near where you are rigging the VK3010. Go to the dimmer rack in the cupboard (behind the stage right door) and set this circuit to ‘Bypass’ mode using the switches towards the bottom of the dimmer panels. This will bypass the dimmer, and supply the socket with hot power instead.
4. Plug the VK3010 into the circuit using the included 13A cable and a 15A-13A adapter
5. Connect the VK3010 to the Pilch’s DMX network using a 3-pin XLR cable and a 5-3 pin XLR adapter. There are two DMX ports at grid level, and either will work for this purpose. DMX data to additional fixtures may be daisy-chained out of the VK3010s DMX OUT port.
6. Patch the VK3010 as usual.

PILCH STUDIO (FLOOR LEVEL)

Additional equipment needed: 3-pin XLR cable(s), 5-3 pin XLR adapter(s)

Optional equipment: 13A extension cable, for more flexible positioning

1. Set the DMX address and personality of the VK3010. Make sure the address is greater than 60, so that it does not overlap with the Pilch dimmer addresses.
2. Remove the hook clamp/half-coupler, and store it carefully. Unfold the fixture’s handle into a stand, and place as desired.
3. Plug the VK3010 into a standard mains wall socket using the included 13A cable.
4. Connect the VK3010 to the Pilch’s DMX network using a 3-pin XLR cable and a 5-3 pin XLR adapter. There are multiple DMX ports at floor level, and any of them will work for this purpose. DMX data to additional fixtures may be daisy-chained out of the VK3010s DMX OUT port.
5. Patch the VK3010 as usual.



DAISY-CHAINING POWER AND DMX WITH COMBI CABLES

In addition to standard DMX daisy-chaining, the VK3010s may pass power onwards to other fixtures using the white Powercon port on the back. OUTTS can supply ‘combi’ cables that carry both power and DMX, which can be very helpful in venues that do not have easy access to hot power. Always consider current draw when daisy-chaining fixtures.

