

# TEKOV3



Born from LSC Lighting's successful EKO installation dimmer, the TEKOV3 sets a new standard for professional portable 3RU rack mount dimmers. From the full graphical LCD touch screen user interface, to the networking and remote monitoring facility, TEKOV3 leads the market with useful innovative features designed to make your life easier. TEKOV3 is the perfect dimmer for today's demanding TV, Film and Live Entertainment industries.



There are four models available in the TEKOV3 family range, from the 12 channel 3KW version through to the 3 channel 15KW model. With the ability to control any of your inductive or reactive loads and at a 100% duty cycle, TEKOV3 can drive a simple 5W lamp through to a massive 15KW fixture per channel, effortlessly.

TEKOV3 uses LSC's proven [PTFD](#) output circuitry to ensure smooth control of reactive and inductive loads such as birdies, pin spots, mirror ball motors and other difficult loads.

The TEKOV3 can also connect to the LSC ePlates remote button and fader controllers to allow activation and control of up to 80 internal memories. This gives a simple method of full control for situations where a lighting console is not desired, such as trade-show booths, shop window displays and corporate presentations.

Along with the option to include LSC Lighting's Houston monitoring software and ePlates to externally recall recorded memories, TEKOV3 will give the user complete control of their dimming system.

Available in 3, 6 or 12 channel models with a wide choice of output connector configurations and channel output current capacity, the TEKOV3 is the ideal choice to ensure your show goes to plan.

A number of key criteria make the TEKOV3 the clear choice of lighting professionals.

- 3, 6 and 12-channel versions.
- 12 x 13A, 12 x 20A, 6 x 25A and 3 x 63A models all with 100% duty cycle.
- 3RU high - designed for easy 19" rack installation.
- LCD Touch screen with backlight.
- Adjustable Min and Max levels per channel.
- Full 512 channel softpatch.
- 80 recordable memories with individual fade times.
- A unique extruded aluminium heatsink is used as a base to mount all the heat generating components which is then fan cooled, allowing for very efficient operation at high load conditions. The fan is temperature controlled so it is only on when it is required.
- The use of high quality inductors and filtering circuits, minimising the possible interference to other electronic equipment by reducing the harmonic waves produced by phase angled control of the power mains.
- The electronics will remember any stored scene or dimmer curve set up that will be reactivated once power has been restored.
- Multiple output connector types, including 3-pin Australian, 19-pin Socapex, 16-pole Harting, 10-pole Harting, Shuko 16 Amp and its variants.
- Current Control Technology (CCT) - intelligent control of in-rush currents so that cold filaments don't trip breakers.
- Ability to set individual dimmer curve settings for each channel.  
Six curves are available:  
S Law, Square Law, Cube Law, 120 Volt and a Non-Dim curve. The Non-Dim curve will switch a particular channel to full or completely off based on the DMX512 level received.
- Power input cable supplied - 5 conductor 6mm<sup>2</sup>, black rubber insulated.  
Note: Australian customers supplied with 5-pin Power connector fitted to the tail.
- Future software improvements can be loaded into the dimmers by the codeLINK option;  
a Windows based program that allows the uploading of Software upgrades from a PC style computer.  
Downloads can be obtained from e-mail or LSC's Website, and then transferred into TEKOV3 via a cable link to the dimmer.
- [Houston](#) software package available for remote configuration storage and retrieval for Square One rig restoration.
- Designed and manufactured in Australia.
- CE and Ctick approved.

## Specifications

	TEKO	TEKO/B	TEKO/20	TEKO/B20	TEKO/6	TEKO/B6	TEKO/363
Number of Dimmer channels	12	12	12	12	6	6	3
Channel output rating	13 Amps	10 Amps	20 Amps	20 Amps	25 Amps	25 Amps	63 Amps
Output connector options							
/A Aust 3-pin	✓	✓	✓	✓	✓	✓	✗
/S Shuko	✓	✓	✗	✗	✗	✗	✗
/W Harting 16-pin	✓	✓	✗	✗	✗	✗	✗
/X Socapex	✓	✓	✓	✗	✗	✗	✗
/T Screw Terminal	✓	✓	✓	✓	✓	✓	✗
63A 3-pin CEE Form	✗	✗	✗	✗	✗	✗	✓
Channel MCB type	1 Pole	2 pole - RCBO	1 Pole	2 pole - RCBO	1 Pole	2 pole - RCBO	2 pole - RCBO
Channel MCB/ RCBO breaking capacity	6000 Amps						
Current control technology	✓						
Dimmer curve selection per channel	Choice of 6 curves per channel						
Scene storage	80 memories						
Inductor rise time	200us						
Channel output mimic LEDs (Qty)	Yes (12)	Yes (12)	Yes (12)	Yes (12)	Yes (6)	Yes (6)	Yes (3)
Number of cooling fans	1	1	2	2	1	1	2
Fan cooling control	Variable			Variable			
External software upgradable	✓						
Power up in last known state	✓						
50/60Hz frequency auto-select	✓						
100/240V input voltage (factory set)	✓						
220/240V input voltage (factory set)	✓						
Chassis style	19" Rack Mounting 3RU						
Dimensions (mm)	480W x 133H x 275D		480W x 133H x 330D		480W x 133H x 275D		480W x 133H x 330D
Dimensions (inches)	18.9W x 5.2H x 10.8D		18.9W x 5.2H x 13.0D		18.9W x 5.2H x 10.8D		18.9W x 5.2H x 13.0D
Actual Weight	19kg. - 42lb.		21kg. - 46.3lb.		19kg. - 42lb.		21kg. - 46.3lb.
Shipping Weight	21kg. - 46.3lb.		24kg. - 53lb.		21kg. - 46.3lb.		24kg. - 53lb.
Construction	Made from corrosion resistant steel finish in grey and black powdercoat with rear screened polycarbonate labels.						

## Ordering Codes

<u>3 channel Dimmers</u>	
TEKO/363	TEKO 3 ch x 63A MCB/RCD with three 63A 3-pin 5-core power inlet cable □ CEEform output connectors with 10mm supplied
<u>6 channel Dimmers</u>	
TEKO/6A	TEKO 6 ch x 25A MCB with six paired GPO outlets (25A + 15A per channel) on rear panel with 40A plug and tail fitted.
TEKO/6T	TEKO 6 ch x 25A MCB with screw terminals on rear panel for power and load connections.
TEKO/B/6A	TEKO 6 ch x 25A RCBO with six paired GPO outlets (25A + 15A per channel) on rear panel with 40A plug and tail fitted.
TEKO/B/6T	TEKO 6 ch x 25A RCBO with screw terminals on rear panel for power and load connections.
<u>12 channel Dimmers</u>	
TEKO/A	TEKO 12 ch x 13A MCB with twelve 15A GPO outlets on rear panel with 40A plug and tail fitted.
TEKO/T	TEKO 12 ch x 13A MCB with screw terminals on rear panel for power and load connections.
TEKO/W	TEKO 12 ch x 13A MCB with two 16-pole Harting Multipole connectors on rear panel with tail fitted.
TEKO/X	TEKO 12 ch x 13A MCB with two 19-pin Socapex Multipole connectors on rear panel with tail fitted.
TEKO/S	TEKO 12 ch x 13A MCB with twelve Shuko outlets on rear panel with three phase tail fitted.
TEKO/B/A	TEKO 12 ch x 10A RCBO with twelve 10A GPO outlets on rear panel with 40A plug and tail fitted.
TEKO/B/T	TEKO 12 ch x 10A RCBO with screw terminals on rear panel for power and load connections.
TEKO/B/W	TEKO 12 ch x 10A RCBO with two 16-pole Harting Multipole connectors on rear panel with tail fitted.
TEKO/B/X	TEKO 12 ch x 10A RCBO with two 19-pin Socapex Multipole connectors on rear panel with tail fitted.
TEKO/B/S	TEKO 12 ch x 10A RCBO with twelve Shuko outlets on rear panel with three phase tail fitted.
TEKO/20/A	TEKO 12 ch x 20A MCB with twelve 20A GPO 5-core power inlet cable □ outlets on rear panel with 10mm supplied.
TEKO/20/T	TEKO 12 ch x 20A MCB with screw terminals on rear panel for power and load connections.
TEKO/20/X	TEKO 12 ch x 20A MCB with two 19-pin Socapex 5-core power inlet cable □ Multipole connectors on rear panel with 10mm supplied.
TEKO/B20/A	TEKO 12 ch x 20A RCBO with twelve 20A GPO 5-core power inlet cable □ outlets on rear panel with 10mm supplied.
TEKO/B20/T	TEKO 12 ch x 20A RCBO with screw terminals on rear panel for power and load connections.
TEKO/B20/X	TEKO 12 ch x 20A RCBO with two 19-pin Socapex 5-core power inle □ Multipole connectors on rear panel with 10mmt cable supplied.

## Images

Here are a few images of the TEKO dimmers. You can click on any of the images for a larger view.

TEKO 12 channel dimmer  
Perspective Front View



TEKO 12 channel dimmer  
Front View



TEKO 12-channel rear  
panel with 12 x Australian  
Output connectors



TEKO 12-channel rear  
panel with 2 x Harting  
Output connectors



TEKO 12-channel rear  
panel with 12 x Shuko  
Output Connectors.



TEKO 12-channel rear  
panel with 2 x Socapex  
Output Connectors



TEKO 6-channel rear panel  
for hardwired connections



TEKO 12-channel rear  
panel for hardwired  
connections



TEKO 3-channel 63 Amp  
dimmer Front Panel



TEKO 3-channel 63 Amp  
dimmer Rear Panel



TEKO Dimmer User  
Interface

