

Gradav Hire & Sales

2016 Catalogue

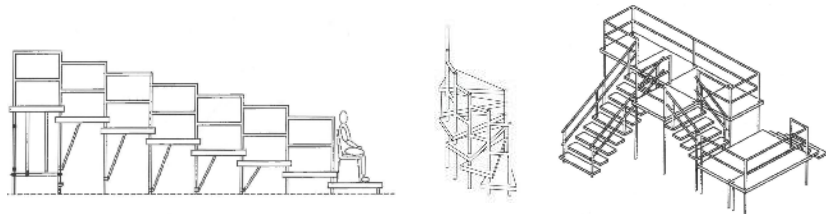
Lighting Hire



Tour Guide



Staging



Sales



nice people to talk to



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We are open
Monday to Friday 9:00 to 17:45



If you would like to keep up to date with the latest developments at Gradav and receive news of special offers and bargains please email gradavnews@btconnect.com with "Yes Please".

All prices are ex-stores, exclude VAT and were updated on 16/03/2016

Version 16.03

An Elstree Light and Power Company

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TOURGUIDE - An Outline

Daily Weekly

Sennheiser developed a simple radio system intended for tour parties at Stately Homes, Museums and factories etc. This equipment has also proved ideal in other situations where a guide and the audience are all on the move - especially if the ambient noise level is high. It has also proved highly effective as a way of providing simultaneous translation. The package is compact and designed to be easy to use.

DIGITAL TOURGUIDE - Sennheiser 2020 D



rechargeable
receiver

- 6 channel receivers
- NO licence required
- Transmitter and receivers fitted with rechargeable batteries
- 20-way carry case includes charging system
- Handheld and body worn transmitters with head worn mics
- Auto shut off when receiver ears are closed



Case with wheels &
extendable handle

20 way system in carry case

155.00 465.00

20 way system in wheeled case

165.00 495.00

Additional Transmitters (each)

75.00 225.00



20-way charger case with
some receivers



Body worn transmitter pack with matching
headband microphone



Hand held transmitter

For more information please visit our dedicated website: www.digitaltourguide.co.uk

We have been asked for systems where 2 transmitters can talk to receivers on a single channel. We can assemble a package to do this even though it is not possible to arrange using TourGuide equipment alone. Radio mics and additional equipment are required.

Please visit www.digitaltourguide.co.uk/faqs and view

Can more than one transmitter talk to a single channel of Tourguide receivers?

**MAINS DISTRIBUTION and PROTECTION****Weekly**

The following abbreviations have been used in the description of cables, connectors and distribution equipment available.

SPN	Single Phase	Single Pole + Neutral + Earth
TPN	Three Phase	Three Poles + Neutral + Earth
RCD	Residual Current Device	Earth leakage protection
RCBO	Combined RCD and MCB	
MCB	Miniature Circuit Breaker	A resetable device used instead of a fuse.
HO7	Toughened Rubber Sheath	Cable suitable for outdoor use.

DISTRIBUTION UNITS

We have a wide range of distribution units, and offer a small sample below to give some indications. Please discuss your needs with our experienced team.

NB While some items meet the IP44 standard and are 'showerproof', and therefore suitable for outdoor use, **they cannot be submerged.**

Most units have earth bond terminals for easy connections to earth spikes, scaffolding etc.



Inlet Connector	Outlet Connectors	Protection	
32A SPN	6 x 13A + 1 x 32A	RCD, MCB	16.00
	4 x 16A + 1 x 32A	RCD, MCB	16.00
	4 x 32A SPN	RCBO	16.00
32A TPN	3 x 32A SPN	RCD, MCB	20.00
63A SPN	6 x 13A + 1 x 32A	RCD, MCB	34.00
	6 x 16A + 1 x 32A	RCD, MCB	34.00
	8 x 16A	RCBO	40.00
	2 x 32A + 2 x 16A	RCD, MCB	48.00
63A TPN	2 x 63A TPN	RCD + MCB	40.00
	3 x 32A SPN, 6 x 16A	RCD + MCBs	40.00
	6 x 63A SPN	RCD + MCBs	40.00
125A TPN	6 x 63A SPN + 63A TPN	RCD + MCBs	100.00



MAINS CABLES

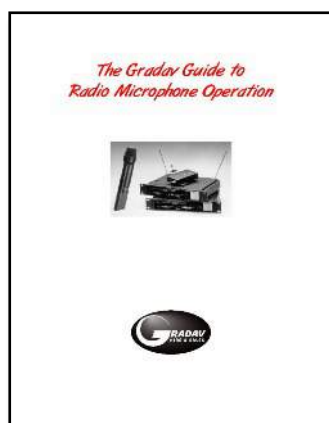
Weekly

All prices shown on this page are for a week/part week's hire. Lengths where indicated are approximate, and for guidance only.

		< 2mtr	5 mtr	10 mtr	20 mtr	30 mtr	
13 amp			1.25	1.50	2.40	3.60	
	In-line 30mA RCD						3.00
	4 way plugboard						2.00
15 amp		1.20	1.25	1.50	2.40	3.60	
	2 way adaptor						1.00
	3 way adaptor						3.00
16 amp - HO7		2.00	2.00	2.00	3.50	4.00	
	2 way adaptor						2.50
Adaptors between 5A/13A/15A/16A							2.50
32A SPN	Ceeform - BLUE		3.00	5.00	8.00	10.00	
	Tails to 32A socket						5.00
	Adaptors						3.00
63A SPN	Ceeform - BLUE	6.00		8.00	10.00	12.00	
	Tails to 63A socket						2.50
	Adaptors						3.50
32A TPN	Ceeform - RED			12.00	24.00		
	Tails to 32A socket						5.00
63A TPN	Ceeform - RED	10.00	10.00	10.00	20.00	30.00	
	Tails to 63A socket						5.00
100A TPN	Ceeform - RED			20.00			
Socapex Multicores - 18 x 1.5mm Cables			6.00	9.00	12.00	15.00	
Plug spider	5A, 15A or 16A						5.00
Socket spider	5A, 15A or 16A						5.00

CONTROL CABLES

8 pin DIN	6 way analogue	2.500	2.00	2.50	2.50	4	
	sex reverser to link						1.00
	cables						
DMX512	5XLR	1.00	3.20	4.00	6.00	6.00	

**RADIO MICROPHONES****Daily Weekly**

Apart from single kits, we also supply systems in a variety of sizes and configurations to meet your needs. We are pleased to discuss your requirements and offer advice.

Systems are available with Hand Held, Pocket Pack, or a mixture of transmitters. We can also supply headband microphones.

We can supply 18 channel systems, but where many radio mics are required to work together you may need to purchase additional licence(s).

A site specific licence will be required to operate these extra frequencies. We can sometimes arrange these licences for you, but full details regarding radio licensing is available from Ofcom who are responsible for issuing all radio microphone licences.
<https://pmse.ofcom.org.uk/pmse/licences>

We have published a guide to the operation of radio microphones which is available from our website **www.gradav.co.uk**.

Systems are supplied in a flight case with the receivers, 2 dipole aerials, an Aerial Distribution Amplifier (which distributes the RF signal to all receivers), output cables to 3XLR(M) and all other necessary cables.

The requisite number of transmitters and accessories are supplied in separate case(s)

UHF EQUIPMENT

	Sennheiser	Single Kits - hand held or pocket pack	35.00	90.00
	Sennheiser	4 way kit	140.00	360.00
	Sennheiser	6 way kit	210.00	540.00
	Sennheiser	8 way kit	280.00	690.00
	Sennheiser	10 way kit	350.00	850.00
	Sennheiser	12 way kit	420.00	980.00

We supply headband mics with pocket pack transmitters with our multi-channel systems, but we can supply MKE2 microphones if requested.

Equipment is available in Channel 38 and Channel 70.

When ordering your hire **please remember that you do need batteries!** We fit new batteries when testing, but we make no promises regarding the life remaining in them when supplied to you.

Sennheiser G2/G3 transmitters use 2 MN1500 (AA size)**BATTERIES by Duracell**

AAA	MN2400	Pack of 10	3.95
AA	MN1500	Pack of 10	3.95
PP3	MN1604	each	1.28

MOVING HEAD LIGHTS

Daily Weekly

All the fixtures on this page require a desk that has a DMX 512 output. In view of the large number of control channels used by each fixture, please ensure that your desk can control sufficient channels for your needs. Only in very rare circumstances is it possible to operate 2 fixtures using the same start address, unlike conventional lanterns where it is easy to pair lanterns on a single dimmer, and for dimmers to share the same DMX 512 address.

Control of these fixtures will also require a desk which memorises cue states, for it is too difficult to repeat cues with any accuracy otherwise.



- ▶ All fixtures are fitted 16A ceeform connectors
- ▶ All fixtures require an **undimmed** power supply
- ▶ DMX 512 control - no analogue facility
- ▶ **We will not allow any fixtures to be transported unless they are in their cases.** Please check for case sizes with us if you are arranging your own transport.

	Martin MAC 250 ENTOUR	Profile	250w MSD	15 or 18 ch	50.00	90.00
	Martin MAC 550	Profile	400w HTI	21 or 27 ch	55.00	95.00
	Martin MAC 600	Wash	575w MSR	10 or 14 ch	30.00	70.00
	Martin MAC 700	Profile	700w HTI	23 or 31 ch	65.00	150.00
	Martin MAC 700	Wash	700w HTI	16 or 23 ch	65.00	150.00
	Clay Paky Sharpy Spot	Profile	189w 5R	Max 20 ch	75.00	150.00
	Clay Paky Sharpy Wash	Wash	189w 5R	Max 22 ch	75.00	150.00

LED Projector

Profile LED 24 ch 115.00 260.00

Quite unlike any moving light you have ever met!

Instead of gobos, all images are stored digitally, and are recalled via a DMX call. Jpeg, Png and mov files can all be loaded.

There is a large internal image library - that you can't delete, but you can add your own images to a separate library.

Keystone controls for both vertical and horizontal.

A large internal colour library, or mix your own in RGB or CMY.

See it in action <http://www.youtube.com/watch?v=cpiCaagOFCU>



Suitable control desks on page 20

LED FIXTURES

Daily **Weekly**

 Please visit the downloads page at www.gradav.co.uk where you can download manuals and view the full specifications for each fixture.

- ▶ All non-battery fixtures are fitted 16A ceeform connectors
- ▶ All fixtures require an **undimmed** power supply
- ▶ **We will not allow any fixtures to be transported unless they are in their cases.** Please check for case sizes with us if you are arranging your own transport.

GLP Impression

40.00 **60.00**



DMX	10 or 14 channels
Weight	7.5 Kg
Power	350 watts
Beam Angle	10° or 25° lens set
Mounting	Free-standing with base (as shown) or can be flown using an omega bracket once the base has been removed

Thomas 1044 Pixel Line

65.00 **120.00**



DMX	3 to 54 channels
Weight	11 Kg
Width	1179 mm
Power	165 watts
Beam Angle	20°
Effects	2 internal generators
Mains	Link through

Supplied to free-stand unless the hanging option is requested at the time of order.

Martin Aura

75.00 **120.00**



DMX	19 or 25 channels
Weight	5.7 Kg
Power	230 watts
Mounting	Free-standing (as shown) or can be flown using a hook clamp or half-coupler bolted into base.
Mains	Link though on Powercon

All fixtures fitted with 16A connectors. Please request adaptors if required.

LED FIXTURES

Daily Weekly

Thomas PixelPar RGBW - Silver



DMX	Maximum 11 DMX channels With link through
Weight	7.5 Kg
Power	96 watts
Beam Angle	10°
Effects	2 internal generators

30.00 65.00

Supplied to free-stand unless the hanging option is requested at the time of order.

Thomas PixelPar 90 - Silver



DMX	Maximum 10 DMX channels
Weight	7 Kg
Power	110 watts
Beam Angle	6°
Effects	2 internal generators

30.00 65.00

Supplied to free-stand unless the hanging option is requested at the time of order.

SGM PALCO 3



DMX	8 channels - link through
Weight	13.5 Kg
Power	130 Watts
Beam Angle	25° or 40° lens
Mounting	Free standing (as shown) or can be hung
Effects	Strobe and/or colour scroll
Mains	16A connector
Case	Waterproof to IP65

40.00 60.00

GDS HO UPLIGHTER - Battery Power



	Set of 6 in a case with charger
DMX	Wireless - needs a transmitter
Power	80Watts of LED
	Battery life - 10 hours
Finish	'Chrome'

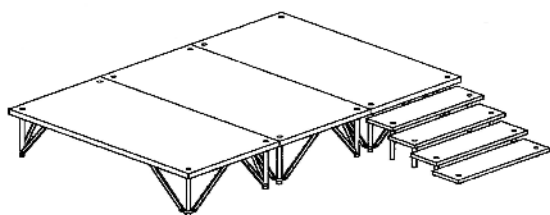
180.00 375.00

Grindles available upon request.

All fixtures fitted with 16A connectors. Please request adaptors if required.

**ROSTRA and STAGING****Daily Weekly**

 We have published a guide to the design and construction of structures using Alistage. Please visit our website at www.gradav.co.uk to download your copy.



Deck panels and step treads have aluminum framing with wooden tops. We can also supply handrails and valances.

We recommend that you obtain a quotation before placing your order, for there are often small details that can affect construction and pricing.

Below we show just a few items in the range, so that you may estimate an approximate cost for use when reviewing your budget.

Deck	2.4 x 1.2 mtr (8 x 4 ft)	with 4 non-adjustable legs *	25.00
Deck	2.4 x 0.9 mtr (8 x 3 ft)	with 4 non-adjustable legs *	25.00
Deck	2.4 x 0.6 mtr (8 x 2 ft)	with 4 non-adjustable legs *	25.00
Deck	1.2 x 1.2 mtr (4 x 4 ft)	with 4 non-adjustable legs *	25.00
Deck	1.8 x 1.2 mtr (6 x 4 ft)	with 4 non-adjustable legs *	25.00

* leg heights at 200mm, 300mm, 400mm, 500mm, 600mm, 800mm or 1000mm

Legs	adjustable height - please discuss with our staff	set of 4	8.00
Legs	1200 mm to 2000 mm with necessary bracing	deck & 4 legs	35.00
Steps	200 mm rise - 0.9mtr (3 ft) or 1.2mtr (4 ft) wide	per tread	10.00
Guard Rails	including posts	1.2mtr (4ft)	3.00
		1.8mtr (6ft)	4.50
		2.4mtr (8ft)	6.00
	For steps - single side	per tread	1.25
Valance	for masking sides - maximum height 1000 mm	3.6mtr (12ft)	18.00
		7.2mtr (24ft)	36.00

FLOODLIGHTS

Weekly

Floods have a very wide beam angle and are used to light large areas. They are used mainly to light cyclorama (backdrops) and window or door backings.

Coda 1		100°	400/500w	K1	6.00
Coda 3	3 cell	100°	400/500w	K1	15.00
Coda 4	4 cell	100°	500w	K1	20.00
Coda 1000		100°	1000w	K4	8.00

Sunstrip+ Batten



- DMX control
- 10 x GU10 75w lamps
- Configurable as 1,2 5 or 10 control ways
- Power link through using Powercon connectors
- DMX link through using 3XLR
- Supplied with 16 Amp plug to powercon cable
- 10 individual colour frames
- 1050 mm wide

 Sunstrip+ Batten

30.00

Supplied with feet to free-stand unless the hanging option is requested at the time of order

FRESNEL SPOTLIGHTS

These lanterns produce an adjustable beam of light with a soft edge. They are ideal for general coverage for their beams merge easily. Beam shaping is achieved by using barndoors.

Acclaim FR	6°-60°	650w	T26	7.00
Rama FR	7°-70°	1200w	T29	9.50

FOLLOW SPOTS



Canto 250 Kit 10°-28° 250w MSD250-2 60.00

Lantern with integral colour magazine, dimmer shutter, stand and 2 mains adaptors. Supplied in a wheeled flightcase.

Foxie Kit 10°-22° 700w MSR 80.00

Lantern with integral colour magazine, dimmer shutter, ballast, stand and 2 mains adaptors. Supplied in a wheeled flightcase.

**PROFILE SPOTLIGHTS****Weekly**

These lanterns have one or two adjustable lenses and produce a sharp edged beam. They are often used from front of house where narrow beams with well defined & well controlled edges are ideal. The beam edges can be softened by careful focus adjustment and/or frost filter. They are the lantern for gobo projection. Beam shaping is achieved by 4 independant beam shaping shutters or a drop-in iris.

			Gobo *	Holder Metal	Holder Glass	
Acclaim Zoom	18°-34°	650w	M	GH60		10.00
	24°-44°	650w	M	GH60		10.00
Source 4	10°	575w	B	GH59	GH56	20.00
	19°,26°,36°,50°	575w	B	GH59	GH56	15.00
Source 4 Junior Zoom	25°-50°	575w	M	GH63	GH64	16.00
SPX	25°-50°	800w	B	GH59	GH56	20.00

* Gobo and Holder information is for the manufacturer's recommended size.
Please discuss options for other sizes.

See page 28 for more information about gobos, custom gobos, and their holders.

BEAMLIGHTS

These lanterns deliver high light levels with little control of the beam. Choose your beam angle carefully! The beams tend to be ragged in outline, with shaping provided by barndoors - where available. Very good at providing accents, but poor for general cover on their own.

Source 4 Par	A lens - very narrow spot	575w	HPL	12.00
	B lens - narrow spot	575w	HPL	12.00
	C lens - medium flood	575w	HPL	12.00
	D lens - wide flood	575w	HPL	12.00

Please specify lens required. If no lens is specified we will fit lens D

Par64/60	9 ° x 12°	1000w	CP60	7.20
Par64/61	10° x 14°	1000w	CP61	7.20
Par64/62	11° x 24°	1000w	CP62	7.20

Par64 lanterns are available in standard or floor versions.

'Silver' finish paricans are available.

Floor versions are supplied WITHOUT clamp, bolt and safety bond, unless requested.

Par16 - birdie *	10°, 21°, 38°	50w/12v	M49, M50, M51	7.00
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* Birdies are available in black or 'chrome' finishes. Price includes a transformer. Birdies and transformer boxes are fitted with 3xlr connectors. In view of the high currents (over 4A) we recommend the use of our speaker cables to connect to the transformers.

**LANTERN ACCESSORIES****Daily Weekly**

All standard lanterns are supplied with clamp, safety bond and colour frame. Please specify if a different configuration is required.

Barndoors to fit Starlette, Cantata, Acclaim, Cadenza, Par64	3.00
Barndoors to fit Coda 1000	2.50
Drop-in iris	5.00
Gobo Holder	1.25
Colour frames	.50
Safety bonds	.50
Hook clamps	.50
Spigots	.50
Double ended hook clamps - 220 mm centres	1.50

LIGHTING STANDS

Telescopic stand	maximum height 3.35mtr (11ft)	6.00
Wind Up stand	maximum height 3.96mtr (13ft) includes 'big ben' clamp	22.00
Telescopic extension	maximum extension 2mtr	5.00
Floor Plate		2.00
Floor Plate small	Ideal for Birdies	2.00
Bench Base		1.50
Tank Trap		10.00

DIMMING

Single channel	2Kw with 15A outlet and 13A plug	10.00
Alphapack	3 x 6A channels with 15A outlets and 13A plug. Analogue.	18.00
 Alphapack 2	As above plus DMX control	18.00
Betapack - DMX & analogue *	6 x 10A channels with 2 x 15A outlets per channel	30.00
Paradim - DMX & analogue *	6 x 10A channels with 2 x 15A outlets per channel	35.00

* Fitted with 63A SPN plug

SUNDRIES

Stage weights	2.20
Stage braces	2.50

**LIGHTING DESKS****Daily Weekly**

These desks are the simplest form of control that is available for multi-channel operation. Output is via 8-pin DIN cables, generally one per dimmer rack. See page 6 for cable details.

6 channel desk - analogue	Single preset with master	10.00
6 channel desk - DMX only	Single preset with master	10.00
12 channel desk - analogue	Two presets with masters	15.00
18 channel - analogue	Two presets with masters	22.00

These desks are provided with computer control (memory) and use DMX 512 as their control protocol. We have indicated where desks also offer analogue outputs.

Zero 88 Lightmaster XL	12 channel with MIDI and Analogue	35.00
Zero 88 Illusion 500	512 control channels + moving light section. Includes keyboard & mouse	175.00
Avolites Pearl 2004	2048 channels, 240 moving light fixtures,	120.00 220.00
Avolites Pearl Tiger	2048 channels, 240 moving light fixtures with colour monitor	175.00 240.00
Monitor & keyboard	To suit Pearl desks	15.00

To control analogue dimming from a DMX 512 output you will need to use demultiplex units to provide suitable analogue signals. See page 19.

WIRELESS DMX

W-DMX is an established protocol for transmitting DMX signals wirelessly.

Many manufacturers now fit receivers into their equipment. For example we have GDS Liteware uplighters so fitted.

By using a Blackbox S-1 transmitter with a Blackbox F-1 transceiver* you can replace a cable link between your desk and a run of fixtures.

Blackbox S-1 transmitter	Single universe	40.00	70.00
Blackbox F-1 transceiver*	Single universe	40.00	70.00

* Transceivers can operate either as a transmitter or receiver

OUTDOOR LIGHTING

			Daily	Weekly
Glass faced floodlight	500w	K1		5.00
Glass faced floodlight	1000w	K4		7.00
SonT (sodium lamp) floodlight	70w	SonT		12.00

All floodlights are supplied with hook clamp and safety bond, and are fitted with 16A plugs.

NB Always use an RCD for protection when running cables outdoors.

EMERGENCY LIGHTING



Internal batteries are charged when the mains supply is connected. Once fully charged the batteries will keep the fitting lit for 3 hours, to enable the safe evacuation of the premises. Please ensure that the fittings are connected to the mains for a minimum of 16 hours to ensure that the batteries are fully charged before use.

Maintained fittings are lit when mains powered, and remain lit in the case of mains failure.

Non-maintained fittings light only when the mains supply fails.

Please note that Exit Lights are fitted with a 16 Amp plug

 Twin head spotlight	Non-maintained	25.00
 Exit Light	Switchable - maintained or non-maintained	14.00
Legends for exit lights	per pack	5.00

 **Must NOT be operated from a dimmable electrical supply!**

CRACKED VAPOUR MACHINES also known as 'Crackers' or 'Hazers'



These machines produce fine particles that hang in the air, and are largely invisible until beams of light pass through.

This effect can be very dramatic when used with moving lights.

The model illustrated on the left is the Unique 2

Please note that the Unique 2 is fitted with a 16 Amp plug

 Unique 2 (16Amp connector) Water-based fluid	60.00	110.00
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Fluid prices are shown on page 32.

LOW SMOKE GENERATORS

Daily Weekly

Low Smoke generators produce a low-lying carpet of 'fog' similar to the effect produced by dry



Jem Glaciator Xstream

Jem Glaciator 300.00

Local or DMX 512 control

Coverage 50+ sq mtr *

Consumes 150ml/min Jem B2 fluid *

Supplied with 2 hoses & adaptor - if requested

* for guidance only

Similar to the above but is fitted with a 350.00
32 Amp connector and needs a 20 Amp supply

SMOKE GUNS

Spaceball 12.00 25.00

Le Maitre G150 Pump with remote 15.00 30.00



Le Maitre G300 Pump with timer remote 25.00 50.00

As above with DMX remote 32.50 65.00

SPECIAL EFFECTS



4ft UV striplight 40w fitted with 13A plug 4.00 8.00



UV flood lamp 400w fitted with 16A plug 15.00 25.00

NB Prolonged exposure to UV light should be avoided



Martin Atomic 3000 strobe DMX only (**fitted 16 amp connector**) 60.00

Mirror Ball with rotator 30 cm/12 inch 6.00 10.00

40 cm/16 inch 8.00 12.00

45 cm/18 inch 10.00 14.00



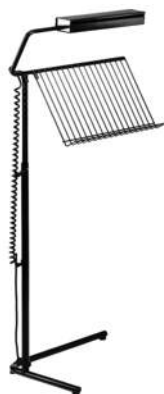
Twin rotating effects glasses give a range of effects. The most popular is a very effective water ripple. Please ring and discuss the options.

Click the image to view a video of the X-24 used as a water ripple, or paste <http://www.youtube.com/watch?v=zTOGMneu1DI> into your browser.

Rosco X-24 Effects Projector 65.00 110.00

MUSIC STANDS

Weekly



RAT Music stand with light	Fitted 13 Amp plug	8.50
RAT Conductors stand with lights	Fitted 2 x 13 Amp plug	16.00
Desk Lamp	Fitted 13 Amp plug	5.00
Piano light	Fitted 13 Amp plug	5.00
4 way 13 Amp plug board		2.50

CURTAIN (TAB) TRACKS

Triple E Unitrack is a versatile system that can be used to create a tab track, single wipe track and double wipe configurations. We have a data sheet to you assist with the design of the track that is just right for you. Visit our website www.gradav.co.uk and download a copy today.



Straight track lengths	0.25 mtr	4.00
(Includes fittings as required)	0.50 mtr	5.00
	1.00 mtr	9.00
	2.00 mtr	16.00

NB Requires rope to complete

ROPE

Sash Cord	12½ metre hanks	4.00
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TRUSSING - SLICK LITE BEAM

Weekly

Straight length	0.25 mtr		8.00
Straight length	0.50 mtr		10.00
Straight length	1.00 mtr		10.00
Straight length	2.00 mtr		14.00
Straight length	3.00 mtr		17.00
Straight length	4.00 mtr		22.50
Steel Base Plate			10.00
TV spigot adaptor plate/bar			7.50
Tower Plate			10.00
90° 2-way corner	2 x horizontal	LB5	12.00
90° 3-way corner	Tabletop corner (left hand)	LB6A	25.00
90° 3-way corner	Tabletop corner (right hand)	LB6B	25.00
90° 2-way corner	Goal post corner	LB7	20.00
135° 2-way corner	2 x horizontal	LB135	35.00
TEE piece - Vertical	For intermediate leg	LB8/VD	18.00
TEE piece - horizontal	For 'H' span	LB8/VU	18.00
TEE piece - horizontal	3 x horizontal	LB9	18.00
LB8 & LB9 combined		LB9ATPB	25.00
Horizontal cross		LB10	20.00
Horizontal cross	With leg socket at the centre	LB10ATP	20.00
Horizontal cross	45° 2-way	LB13	20.00
Horizontal swivel corner		LBSHH	20.00
Horizontal swivel corner		LBSHV	20.00
Truss to scaffolding coupler	Horizontal (end of run)	LBTSH	2.50
Truss to scaffolding coupler	Vertical (end of run)	LBTSV	2.50
Spacers - set of 3	48 mm	LBS48	10.00
Spacers - set of 3	75 mm	LBS75	10.00
Spacers - set of 3	104 mm	LBS104	10.00

All Truss hires are supplied with 'eggs', pins and clips.

**RIGGING****Weekly**

Ratchet straps	5000 Kg SWL	open ended	5.00
Spansets (slings)	1000 Kg SWL	4 metre	1.00
	1000 Kg SWL	6 metre	1.00
Bow Shackles	1000 Kg SWL		.50
	2000 Kg SWL		.50
	3000 Kg SWL		1.00
Steel Wires	1000 Kg SWL	1 metre	1.00
	1000 Kg SWL	3 metre	1.00
	1000 Kg SWL	6 metre	1.00
48 mm barrel		per 300 mm	.50
Double-ended hook clamps	200mm centres		1.75
	750mm centre		3.00
Used to suspend 48 mm barrel from an existing 48 mm barrel			
Barrel clamps	Swivel		.50
	Right angle		.50
	Barrel Joiner		.50
	Hanging clamp & ring		.50
	Gravloc - secures to girder - must be used in pairs		.50
	Half coupler		.50
Swivel coupler for truss	Doughty T57100		3.00
Ref 22	Stand to barrel adaptor - TEE		2.00
Big Ben	TV spigot to half coupler adaptor		2.00
Boom Arm 1000 mm	48 mm barrel with half coupler at one end		5.00
Boom arm	Twisted or straight		.50

LADDERS by Zarge

	Maximum (metres)	Lambda (metres)	Collapsed (metres)	
14 rung	9.70	6.94	4.14	40.00
12 rung	8.60	6.09	3.60	35.00
10 rung	6.90	4.96	3.00	30.00
9 rung	6.70	4.56	2.70	27.50
8 rung	5.80	4.12	2.50	25.00

These 3-piece ladders can be used as:

- 1, 2 or 3 section extension ladders
- 3 single ladders
- As a 'lambda' ladder as shown.

DIRTY RIGGER GLOVES & ACCESSORIES

Price

Dirty Rigger is a range of accessories for the people operating behind the scenes of the Entertainment Industry. All accessories have been designed for use in the exacting world of rigging where long hours require comfort, and hard work demands



Size Guide

With the difference between hands it is very difficult to determine which is the best size for you. However, if you measure the width of your hand (as shown between points A and B) and use the table below, you will get a good indication of the size to fit you.

6 - 7 cm	XXS	Pink
7 - 8 cm	XS	Pink
8 cm	Small	Yellow
9 cm	Medium	Yellow
10 cm	Large	Yellow
11.5 cm	XL	Yellow
12.5 cm	XXL	Yellow

Comfort Style



Framer



Fingerless

Dirty Rigger Comfort range - yellow

15.95

Dirty Rigger XS range - pink

15.95

Dirty Rigger Leather - not fingerless

23.95

Size Guide for T-Shirts and Hoodies

42" - 44"	Medium
44" - 46"	Large
46" - 48"	Extra Large



T-Shirts

Scratching Man design

100% cotton, heavy weight riggers T-shirts.

15.95



Made from 340gsm Cotton Fleece with embroidered logos on the front and back. With front pockets to keep your hands warm and a drawstring hood for those colder days.

Both styles and all sizes

28.99

Pullover and Zip Up Hoodies

		Price
	Fits M10,M12,M14 nuts and more Wire strppers and bottle opener.	13.95
Riggers Multi Tool		
	The Compact technicians Pouch is for those ocassions when you don't need to carry all the tools that the standard Tool Pouch can carry.	12.99
<i>Compact Tool Pouch - Tools NOT included</i>		
	With press stud and velcro panels securing the flaps, many items can be kept to hand without fear of them falling out. An eye-hole to one side allows for the carrying of a longer screwdriver. Four metal loops make it easy to secure tools using snap hooks	
<i>Tool Pouch - Tools NOT included</i>	Dirty Rigger Technicians Tool Pouch	23.95
	This 50mm Tool Belt has a fast release buckle that can be operated with one hand. Ideal for use with other Dirty Rigger accessories.	12.00
Tool Belt		
	2 hooks are linked to make an easy fit to a belt (or belt loop) to carry gloves for quick access. The Dirty Rigger Glove Guard is designed with a patented safety break-away system, to help prevent injuries from snagging during high-level rigging.	7.00
Glove Clip		
	Designed for carrying Gaffer Tape, this sling can be used with a range of goods where the clip can be threaded through. Clips quickly and securely to a belt, with an adjustment to alter the size of the loop/drop.	7.00
Gaffer Tape Holder		

**STANDARD GOBOS - Metal**

A gobo is a pattern (often etched from a disc of thin metal) placed in the appropriate sized holder which is then inserted into the 'gate' of a profile lantern or effects projector.

Rosco currently supply over 1000 standard designs suitable for projection by the majority of profile lanterns, moving lights, and projectors. Intelligent light fixtures that can take gobos are of a smaller diameter. Not all designs are suitable for rendering in these smaller sizes, and some designs have to be simplified. Please check availability before finalizing your choices.

If you cannot find an image suitable for your requirements please talk to us about supplying a custom gobo to your own design.

Gobo Size	Diameter	Maximum Image Size	Cost
A	100 mm	68 mm	13.60
A Mesh	100 mm	68 mm	13.60
B	86 mm	64.5 mm	13.60
B Mesh	86 mm	64.5 mm	13.60
M	66 mm	49.5 mm	13.60
Intelligent Fixture (please specify)	Various	Various	13.60

NB Where gobos are required urgently, and are not in stock, a small carriage charge may be levied.

GOBO HOLDERS

Moving head and moving mirror fixtures have gobo holders built into them. All other lanterns and projectors require a separate holder to hold the gobo in the correct position in the lanterns light beam. A different holder is also required when glass gobos are used.

Lantern	A size holder	B size holder	M size holder	Glass holder	Cost
Acclaim			GH60		16.50
Cantata	GH74	GH73			16.50
Minuet/Focus			GH15		16.50
Pacific 5/13°			GH81	see note*	16.50
Pacific 12/28°			GH81	see note*	16.50
Pacific 26/50°	GH72	GH78		GH80(A)	17.50
Pacific 90°	GH72			GH80(A)	17.50
Pattern 23		GH08	GH33		16.50
Prelude		GH37			16.50
Quartet			GH33		16.50
Silhouette	GH01	GH03			16.50
Source 4 SPX	GH61	GH59		GH62(A) GH56(B)	16.50
Source 4 Junior			GH63	GH64	16.50
Strand SL		GH73	GH46	GH76(B)	16.50



STANDARD GOBOS - Glass

Rosco also produce a standard range of monochrome glass gobos 30.00

This range currently includes the Earth, Moon and Clouds.

They can supply coloured glass gobos from the designs in their monochrome range POA

Please note that not all lanterns are suitable for the projection of glass gobos

CUSTOM GOBOS - Metal

Although the standard range of gobos to which we have access from the different manufacturers is quite extensive it is still not always possible to find one that is suitable for your needs. In these circumstances we can arrange for the production of custom gobos from your own artwork.

You need to supply us with samples of the original artwork. Rosco undertake, at a cost, to amend your design (if required) to produce artwork suitable for a gobo. Rough artwork can also be improved at this stage. Computer artwork can also be accepted (EPS or PDF format preferred). The better the quality of the original artwork the less studio time involved.

CUSTOM GOBOS - Glass

Custom gobos can also be made of glass, which is especially suitable for complicated or exacting designs. for they do not need the tabs that most metal gobos require to hold the pattern in place.

Glass gobos require a different holder to metal gobos.

Prices for all custom gobos are subject to quotation

EXAMPLE	A design requiring less than ½ hour of studio time	MONOCHROME	
		METAL	GLASS
	First gobo (including Tooling charge)	50.00	70.00
	Additional gobos of the same size and design	13.60	35.00

CUSTOM GOBOS - Coloured design on Glass

Recent developments have made possible the production of coloured glass gobos, which are ideal for the projection of company logos, at presentations, conferences or exhibitions.

Please note that only a few lanterns are suitable to project coloured images – please ask for advice.

		ORIGINAL	COPY
Monochrome	+ one colour	85.00	45.00
	+ two colours	125.00	90.00
	+ three colours	185.00	140.00
Multi-coloured		235.00	165.00

Custom gobo production is a surprisingly straightforward procedure, but where time of the essence, experience tells us that good quality artwork in EPS or PDF formats will speed things along. Artwork will always need to be approved by you before production can begin. So a prompt 'yes or no' to any artwork sample we submit will help.

When choosing your original design please remember that gobos are round, and long thin artwork – especially text – will result in a small thin image that may not reproduce as you had hoped.

FILTER & Related Sundries

Price

Rosco Ecolour+	Sheet	1.22 mtr x 0.53 mtr (48" x 21")	5.14
	Roll	7.62 mtr x 1.22 mtr (25' x 48")	71.25
Rosco Supergel	Sheet	0.50 mtr x 0.61 mtr (20" x 24")	5.45
	Roll	7.62 mtr x 0.61 mtr (25' x 24")	75.00
Rosco also produce other filter ranges, including glass filters for architectural use.			
Lee Filter	Sheet	1.22 mtr x 0.53 mtr (48" x 21")	4.99
	Roll	7.62 mtr x 1.22 mtr (25' x 48")	69.85
Lee HT Filter	Sheet	0.53 mtr x 0.55 mtr (21" x 22")	5.25
	Roll	4.00 mtr x 1.17 mtr (13' x 46")	77.73
GHS Colour Packs	5 x ½ sheets of Ecolour		15.00
Wash	Straw, steel blue, medium blue, pale lavender, pale gold, middle rose - 103,117,132,136,152,110		
Chinagraph pencils	White	each	1.00
		Box of 12	10.00



The technician's favourite marker pen



All all-purpose marker with a 1.0 mm tip
Available in Black

0.83



Sharpie Twin - a double-ended marker pen
Fine Tip 1.5 mm, ultra-fine Tip 0.4 mm
Available in Black

1.40



Sharpie Shortie 4 Pack - 1.0 mm tip
Black, Red, Green, Blue

3.48



Sharpie 12 Pack - 1.0 mm tip
Aqua, Berry, Brown, Lime, Orange, Purple, Turquoise,
Yellow, Black, Red, Blue, Green

10.00



ADHESIVE TAPES & Sundries			Price
Pro-Gaff Adhesive Tapes			
Gaffer Tape	24 mm x 25 mtr	Black, White	4.90
	50 mm x 50 mtr	Black, White, Red, Blue Brown	9.35
Flourescent Tape	24 mm x 22.8 mtr	Yellow, Orange, Pink, Green, Blue	4.90
	28 mm x 33.8 mtr	Yellow, Orange, Pink, Green, Blue	9.35
Chromakey Gaffer Tape by Le Mark			
Blue	50 mm x 50 mtr		14.00
Green	50 mm x 50 mtr		14.00
Other tapes by Le Mark			
Gaffer Tape	50 mm x 50 mtr	Black, white, silver, red, yellow,blue,green	5.99
		MATT Black, White	8.50
	48 mm x 22.8 mtr	Green, Yellow, Pink, Orange	8.64
	25 mm x 50 mtr	White	3.00
Glow Tape	24 mm x 5 mtr	This glow-in-the-dark tape is ideal for marking low light areas. It glows to a yellow-green color that can remain illuminated for hours.	9.80
PVC (LX) Tape	19 mm x 33 mtr	Red, blue, orange, green, black, white, purple, grey, brown, yellow, green/yellow	1.16
	25 mm x 33 mtr	Black	1.50
	50 mm x 33 mtr	Black	2.55
		Clear (Dance Floor Tape)	5.00
NEC Carpet Tape	50 mm x 50 mtr	NEC approved double-sided tape designed to secure carpet, but leave no residue.	8.50
Scroller Tape	25 mm x 66 mtr	Clear tape to make/repair filter scrolls	26.00
Hazard Tape	50 mm x 33 mtr	Yellow/Black	5.00
Fire Tape	50 mm x 33 mtr	Red/White	5.00
Barrier Tape	75mm x 500 mtr	NON-adhesive	15.00
Slipway	145 mm x 30 mtr	Black/Yellow or All Black Adhesive only at the edges. Designed to secure cables, without making the cables sticky	24.95
EXIT legends	Pack	For use with Emergency Lights	5.00
VELCRO			
Roll 25mm x 25mtr	Loop	Self-adhesive - black	15.00
	Hook	Self-adhesive - black	15.00

**ADHESIVE TAPES & Sundries (continued)****Price****FOIL PRODUCTS**

BlackTak	50 mm x 25 mtr	A high temperature self-adhesive Matt Black light masking foil, it is the most heat resistant on the market. For use with temperatures up to 180°C.	19.90
Black Mark	600 mm x 7½ mtr	A flexible Matt Black wrap-around foil.	19.50
	300 mm x 15 mtr		19.50

Black Mark is ideal for covering wide areas of light spill where high temperature resistance is required, but without the need for adhesive backing.

GLITTER CURTAIN aka Slit Drape or Slash

12mm strips of durable, flame retardant vinyl in 91.4 mm (3ft) widths make the effect of Slit Drape unique, and add a sparkle the instant they are seen. They are available in the 4 lengths shown and in a variety of colours. Below are details of the most popular items.

Where you need an exact length, purchase the length longer than you need, and stand by with a pair of scissors!

2.43 metre (8ft x 3ft)	Silver	7.00
3.04 metre (10ft x 3ft)	Silver	8.00
3.65 metre (12ft x 3ft)	Silver	9.00
4.86 metre (16ft x 3ft)	Silver	12.00

We can supply other lengths and more colours. Please ask for a quotation.

**LAMPS**

This sales list shows details of our more popular theatre lamps. We have a wider range in stock, and can get many other lamps by request. Please ask if you cannot find your lamp here. Discounts are available for purchases in quantity. Please discuss your requirements with us.

Type	Power	Base	Lantern	Lamp Life*	Price
4515	30w/6v		Par 36	100	4.75
CP43/72	2000w	GY16	Solo, Cadenza	400	19.5
CP60 (EXC)	1000w	GX16d	Par 64 - narrow beam	300	25.00
CP61 (EXD)	1000w	GX16d	Par 64 - medium beam	300	25.00
CP62 (EXE)	1000w	GX16d	Pat 64 - wide beam	300	25.00
CP86	500w	GX16d	Par 64 - narrow beam	300	25.00
CP87	500w	GX16d	Par 64 - medium beam	300	25.00
CP88	500w	GX16d	Par 64 - wide beam	300	25.00
GAD (bluepinch)	1000w	Special	Pacific	400	25.00
GKV	600w	Special	Pacific, Brio	400	18.00
HX800 (6982P)	800w	Special	Pacific, SPX	400	24.90
HPL 575	575w		Source 4	400	16.50
HPL 750	750w		Source 4	300	19.90
K1	400/500w	R7	Coda 1, Coda 4, Hui	2000	1.95
M38	300w	GY9.5	Acclaim, Focus, Minuette Prelude, Quartet	2000	9.50
M49 (EXT)	50w/12v	GX5.3	10° Par 16 Dichroic	200	1.75
M50 (EXZ)	50w/12v	GX5.3	21° Par 16 Dichroic	200	1.75
Par 56	300w	GX16d	Narrow, Medium or Wide	2000	12.90
T1	500w	P28	Discontinued - see T17		
T11/T19	1000w	GX9.5	Cantata, Starlette, Silhouette	750	16.55
T15/T23	1000w	P28	Pattern 263/4	750	POA
T17/T24	500w	P28	Patt 23, Patt 45, Patt123	750	17.90
T18/T25	500w	GY9.5	Acclaim, Focus, Minuette	300	13.10
T26/T27	650w	GY9.5	Prelude, Quartet	400	14.10
T29	1200w	GX9.5	Cantata, Silhouette, Rama	400	19.50
4ft UV Tube	40w		Blacklight tube	2000	9.95
MEW.GES	400w		Blackgun UV Lamp	2000	37.95
MSD 250/2	250w		MAC 250/300		80.27
MSR 575/2	575w		MAC 500/600		94.29
HTI700/D4/75	700w		MAC 700		108.00

* Lamp life refers to the average lamp life (in hours) as published by the manufacturer

**PAINT****Price****ROSCO SUPERSAT Paint**

Brilliant, opaque colours formulated to be diluted with water (up to 8:1). Works on most scenic materials, surfaces including muslin, plastic and metal. Dries to a completely matte finish. ROSCO recommend that a binding agent should be included in dilutions of 5:1 and greater to prevent colour separation.

		1 litre	5 Litre
5980	Iron Red	17.45	63.00
5982	Yellow Ochre	17.45	63.00
5985	Burnt Umber	17.45	63.00
5986	Raw Umber	17.45	63.00
5987	Burnt Sienna	17.45	63.00
5998	Van Dyke Brown	17.45	63.00
5965	New Red	24.85	102.00
5969	Ultramarine Blue	24.85	102.00
5968	Green Shade Blue	24.85	102.00
5971	Chrome Green	24.85	102.00
5973	Pthalo Green	24.85	102.00
5975	Magenta	24.85	102.00
5977	Spectrum Red	24.85	102.00
5981	Chrome Yellow	24.85	102.00
5979	Purple	24.85	102.00
5984	Moly Orange	24.85	102.00
5983	Raw Sienna	24.85	102.00
5972	Emerald Green	24.85	102.00
5988	Lemon Yellow	24.85	102.00
5991	Navy Blue	24.85	102.00
5989	Turquoise	24.85	102.00
5993	Leather Lake	24.85	102.00
5994	Grass Green	24.85	102.00
5990	Prussian Blue	24.85	102.00
5996	Cerulean Blue	24.85	102.00
5997	Hunter Green	24.85	102.00
6001	Neutral Base	12.45	47.00
6002	White Base	12.45	47.00
6003	Velour Black	12.45	47.00
6004	Gloss Medium	12.45	47.00



UV PAINT by Rosco

Price

Fluorescent paint shows as vivid colours under normal light, but appears to glow under UV light.

Blue, Gold, Green, Orange, Pink, Red, Yellow, White, Invisible Blue*	0.47 Litre	16.30
	0.94 Litre	31.15

* Nearly clear under normal light, but fluoresces blue when exposed to UV light.

CHROMA KEY PRODUCTS

Paint by Rosco

Blue	57101	3.79 litres	60.75
Green	57111	3.79 litres	60.75

ChromaKey Gaffer Tape by Magtape

Blue	50 mm x 50 mtr	17.50
Green	50 mm x 50 mtr	17.50

PAINT PENS

Edding750 Paint Pen - RED	3.95
Edding 750 Paint Pen - WHITE	3.95

LANTERN ACCESSORIES

	Colour Frame (mm)		Iris
Acclaim	125 x 125	7.00	131.00
Minuette/Focus	125 x 125	7.00	N/A
Pacific 26/50°	185 x 185	9.00	102.00
PAR 16	76 x 76	2.20	N/A
PAR 56	230 x 230	3.95	N/A
PAR 64	252 x 252	3.95	N/A
Quartet	150 x 150	7.95	N/A
Rama/Cantata/Starlette	185 x 185	9.00	N/A
SPX, Source 4 *	159 x 159	8.00	108.00
Source 4 Zoom	190 x 190	8.75	108.00
Source 4 Junior	159 x 159	6.50	99.00
Source 4 PAR	190 x 190	8.75	N/A

* Excludes 5° & 10° Specify tube size when ordering

Hook Clamps - 50 mm	Standard	40 Kg SWL	3.95
	Black	40 Kg SWL	4.95
	Heavy Duty	150 Kg SWL	6.20
Safety Bonds	Cerified 5 Kg		3.50
	Certified 10 Kg		4.00
	Certified 15 Kg		6.00
	Certified 35 Kg		10.50

Safety Bonds can be supplied to a variety of specifications, including length and load-bearing.

**PYROFLASH CARTRIDGES by Le Maitre****Price**

Sale of these items is restricted to persons over the age of 18 years.
It is forbidden to send any of these pyrotechnic devices through the Post

Always carry out a controlled test to determine safe working distances for each effect before use.

CARTRIDGES for use in the Standard Flashbox

1200A	Theatrical Flash	small	Box of 12	41.00
1200		medium	Box of 12	43.00
1200B		large	Box of 12	48.00
1200C		Medium with loud report	Box of 12	44.00
1200R		RED	Box of 12	46.00
1200G		GREEN	Box of 12	46.00
1201A	Silver Star	small	Box of 12	43.00
1201		medium	Box of 12	44.00
1201B		large	Box of 12	49.00
1209A	Smoke	red	Box of 12	120.00
1210A		blue	Box of 12	120.00
1211A		green	Box of 12	120.00
1212A		yellow	Box of 12	120.00
1213A		white	Box of 12	120.00
1213B		orange	Box of 12	120.00
1213C		violet	Box of 12	120.00
1228	Silver Jet	standard	Box of 12	64.00
1228H		reduced height	Box of 12	64.00
1231	Mini Gerb	silver	Box of 12	95.00
1231G		gold	Box of 12	102.00

CARTRIDGES for use in the Angled Flashbox

1230	Large Glitter cartridge	gold	each	22.00
1230A		silver	each	22.00
1230B		green	each	22.00
1230C		blue	each	22.00
1230D		red	each	22.00
1230E		multi-coloured	each	22.00
PP501*	Large Confetti cartridge	white	each	16.00
PP502*		Multi-coloured	each	16.00
PP496*	Chinese confetti cartridge	blue	each	16.00
PP497*		green	each	16.00
PP498*		multi-coloured	each	16.00
PP499*		red	each	16.00
PP500*		white	each	16.00
1253	Streamer cartridge		Box of 12	106.00

*** Requires a securing device to attach to the angled flash pod.**

**MAROONS****Price****Always fire within a Confetti Cannon or a Bomb Tank. Flying debris can hurt!**

1223	Maroon	small	Box of 12	66.00
1224		medium	Box of 12	68.00
1225		large	Box of 6	49.00

WIRE TERMINATED EFFECTS

These are not suitable for firing in a Flashbox. They are fitted with trailing wires instead of pins.

1227	Microdets	standard	Box of 12	85.00
1227A		Non-fragmental - full load	Box of 12	64.00
P504	Robotics	Medium	Box of 12	72.00

CONSUMABLES

1700	Cardboard wad	For Confetti Cannon	each	1.00
1703	Treated Confetti	Coloured 1 Kg *	each	27.00
1704		White *	each	27.00
1706	Glitter	Silver 1 Kg*	each	34.00
1707		Gold 1 Kg*	each	34.00
1709		Blue 1 Kg*	each	34.00
1710		Green 1 Kg*	each	34.00
1711		Red 1 Kg*	each	34.00
1712		Multi-coloured 1 Kg*	each	34.00

* It is generally considered that 1 Kg of confetti is enough for 2 firings.

PYROTECHNICS HARDWARE by Le Maitre

Prostage 2-way controller				182.00
Power supply for the above				23.00
Flash Pod - standard	Fitted with bulgin connector and terminals			51.00
Flash Pod - angled	Variable angle - fitted with bulgin connector			62.00
Fixing Clamp	For new projection cartridges			7.00
Concussion Pot				91.00
Spare Key for controller				1.20

FUSES

5 Amp	20 mm	Older racks eg Tempus, Mini II	Pack of 10	2.40
6.3 Amp	20 mm	Alphapack Dimmers	Pack of 10	2.40
10 Amp	32 mm (1¼ inch)	Most modern racks	Pack of 10	4.85

The fuses shown are our most popular, but we can usually supply other fuses to order.

AIR DUSTERS

Spray Can - 400 ml				10.55
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**SMOKE and BUBBLE FLUIDS****Price**

Jem	Pro Haze (was Techno Haze)	2 litres	11.00
		9.5 litres	36.00
	Pro Smoke (ZR mix)	5 litres	19.25
	B2 Heavy Fog (for Glaciator)	5 litres	35.25
	C3 Heavy Fog (for Glaciator)	5 litres	35.25
Le Maitre	Global smoke fluid	5 litres	22.50
	C-Beam hazer fluid	5 litres	36.25
	Neutron Star Haze fluid	2.5 litres	47.50
	Bubble liquid - ready to use	5 litres	26.25
	1910 Mini mist/Opti mist canisters	box of 12	66.00
MDG	Neutral Fluid	4 litres	68.75
Reel FX	DF50 Cracker fluid	5 litres	50.00
Look Solutions	Fast Fog - standard	5 litres	40.00
	Regular Fog - longer lasting	5 litres	35.00
	Heavy Fog	5 litres	50.00
	Designer Fog	5 litres	40.00
	Unique Hazer	2 litres	28.00
		10 litres	104.50
Rosco	Standard fluid	1 litre	8.00

CONNECTORS - Power

13 amp plug	rubber		4.23
13 amp trailing socket	rubber		4.35
15 amp plug	rubber		5.26
15 amp trailing socket	rubber		8.93
15 amp splitter	(Grelco)		5.00
Powercon A - Blue	20 Amp	For appliance inlet	4.85
Powercon B - Grey	20 Amp	For appliance outlet	4.85
16 amp plug	240 volt	Blue	3.85
16 amp trailing socket	240 volt	Blue	5.49
32 amp plug	240 volt	Blue	14.03
32 amp trailing socket	240 volt	Blue	16.08

Other connectors are available. Please ask.



CONNECTORS - SIGNAL			Price
3-pin XLR	Line Male		1.90
	Line Female		2.20
	Chassis Male		2.20
	Chassis Female		2.40
5XLR(M) - 3XLR(F) DMX adaptor			4.00
3XLR(M) - 5XLR(F) DMX adaptor			4.00
8-pin DIN	Line Male	Metal body	2.10
	Line Socket	Metal body	1.50
Jack Plug ¼ inch	Line Male - Neutrik	2 pole (mono)	2.00
Jack Plug ¼ inch	Line Male - Neutrik	3 pole (stereo)	3.60
Speakon	Line Female	4 pole	3.60
	Line Coupler	4 pole	4.50
3.5mm Stereo Jack	To suit Sennheiser Evolution Radio Microphones		6.00

We can supply a whole host of other connectors. Please ask if you can't see the one you want!

CABLE - Mains			per mtr
3 x 1.5 mm	PVC	15 amp rating	0.50
	TRS	16 amp rating	0.90
	Heat resist silcon	For rewiring lanterns	2.00
18 x 1.5 mm	PVC	For 'socapex' cables	POA
3 x 6 mm	TRS	32 amp rating	3.50
3 x 10 mm	TRS	63 amp rating	6.00

Ratings given for guidance only.

Other cables can be supplied. Talk to us about your requirements.

CABLE - Signal			
8 core signal microphone	8 x 7/0.2 mm analogue lighting control cable		0.60
	2 core + screen - black		0.75
	- other colours - subject to availability		0.90
Speaker	2 x 1.5 mm ² - black		1.00
DMX signal	2 pairs + screen		2.00

Cables and adaptors can be supplied made to order.

There are a wide range of adaptors that we can supply. Please ask for a quotation.

**CABLES made to order****Price**

We are able to supply made-up cables and multi-cores suitable for most tasks. We will be happy to prepare a quotation once we have a specification.

Please give adequate notice if you have a deadline looming.

LANTERNS By Selecon

Acclaim	Fresnel	500/650w	T18/T26	196.00
	Barndoors			42.00
Hui Cyc Flood	Single Cell	500w	K1	201.00
	Three Cell *	3 x 500w	K1	537.00
	Four Cell *	4 x 500w	K1	710.00
Rama	Fresnel	1000/1200w	T11/T29	334.00
	HP Fresnel	1000/1200w	T11/T29	423.00
	Barndoors			66.00

LANTERNS By ETC

Source 4	19, 26,36,50°	575/750w	HPL	412.00
Source 4 Junior	26,36,50°	575w	HPL	247.00
	25-50°	575W	HPL	297.00

LIGHTING DESKS By Zero 88

Price

Zero 88 no longer produce desks with analogue outputs. All are fitted with DMX (digital) control. Please talk to us about how you can control your old analogue rack from a DMX outputting desk.

Juggler	12 channel, 2 presets with wide (24 channel 1 preset) mode The sequencer can be used for manual or timer chases	475.00
Jester 12/24	12 channel, 2 presets with wide (24 channel 1 preset) mode	895.00
Jester 24/48	24 channel, 2 presets with wide (48 channel 1 preset) mode Use the USB port to save your show to a memory stick Monitor output	1300.00
Jester 24 ML	As above, but with the ability to control up to 30 moving lights	1725.00
Orb	10 pages of 20 sub-masters, 1000 fixture groups 2 monitor outputs, USB port, 2 DMX universes	5850.00
Demux 24	Connect up to 24 channels of analogue control to DMX	479.00

DIMMING By Zero 88



The Alphapack 2 is ideal where dimming has to be dispersed: 350.00

- 15 amp connectors
- Fitted with 13 amp plug
- Total load limited to 13 amps - avoid blown fuses!
- Local control of each channel
- DMX or analogue remote control option
- Supplied with wall or stand mounting bracket

Betapack 3	6 x 10 amp channels, 2 15 amp outlets per way, DMX only	640.00
	As above but with 16 amp sockets	670.00

There is also the Chilli Range of installation dimmers. Please ask about these popular wall-mounting products.

STANDS

Price

There are an awful lot of stands available from Doughty. Big ones, little ones, some with wheels, and most available in black finishes as well. So we have listed just our 3 most popular stands.

If you need something else, just call and have a chat.

The full Doughty catalogue is available to download from our website www.gradav.co.uk

Club 25	2 piece telescopic. Maximum height 2.5 metres	108.00
Club 35	2 piece telescopic. Maximum height 3.5 metres	118.00
Follow Spot	Folding tripod	177.00

STAND ACCESSORIES

50 mm Tee Bar adaptor	Suits most Doughty stands	36.00
TV Spigot	With M10 stud	17.00
TV Spigot	With M12 stud	17.00
Big Ben clamp	TV spigot with 48 mm half coupler	36.00
19 mm spigot	With M10 thread	5.26
19 mm spigot	With M12 thread	5.26

TAB TRACK By Doughty



The Doughty Six Track System is rapidly establishing itself as a major force in today's Theatre.

A sophisticated range of products designed to fit together with the minimum of effort (and head scratching!).

Talk to us, and we can suggest a design and supply a price that you should find most competitive.

Because of the variations available we cannot put any meaningful prices in this catalogue, but please talk to us, and we can supply a quote surprisingly quickly.

48 mm ALUMINIUM BARREL

The maximum length available is 6.1 metres (21 ft)

We can cut barrel to suit your requirements. per metre 10.50

RIGGING

Price

CLAMPS AND BONDS

Hook Clamp	50 mm	4.00
Wing bolt	M10 x 35 mm	0.80
Safety Bond	5 Kg	3.50
	10 Kg	4.00
	15 Kg	6.00
	35 Kg	10.5

COUPLERS

Use with trussing to avoid the damage normal clamps give

Half coupler	19.00
Swivel coupler - 2 x half couplers linked	45.00
Big Ben clamp -half coupler & 29 mm spigot	36.00

HARDWARE

M10 bolt + 2 x washer + spring washer + hex nut	1.10
Boom Arm - straight	9.50
Boom Arm - twisted	9.50
Hanging clamp & ring	10.80
Pipe to wall bracket	19.00
Pipe to RSJ coupler (Gravlock coupler)	per pair 45.00

These are but a few of a vast range of ironmongery products we can supply

Download the full Doughty catalogue from our website at www.gradav.co.uk

INTERNALLY WIRED BARS (IWB)



Custom built, and can be delivered to your door!

Available in black or natural aluminium finish, these bars are built to meet all the relevant safety standards.

Output options are your choice. How many, how they are spaced and which connectors you choose to install.



As with the Six Track opposite, there are too many variations available for a meaningful price, so you will just have to chat to us, and we'll see just how effective a price we can come up with!

**STAGE MANAGEMENT****Price**

Here's hoping no one needs any help understanding how to use these essential items of stage hardware!

You will notice - if you look carefully enough - that this stage weight has a hole and wingbolt so that lanterns etc may be supported by the weight using a standard 19 mm spigot.

30.00

Extending Stage Brace	1 - 2 metres	50.00
	1½ - 3 metres	58.00
	2 - 4 metres	65.00

ROPE

Sash Cord	12½ metre hanks - up to 4 supplied joined together	4.00
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SMOKE MACHINES and HAZERS**LE MAITRE**

G300	Smoke machine with remote. Haze fluid available.	1769.00
Neutron XS	Hazer	695.00

See page 38 for fluids

MARTIN PROFESSIONAL

Magnum 650	Our smallest model - ideal for those home parties!	108.00
Magnum1200	More money, more output. Use on small stages or discos	343.00
ZR-44	A most popular smoke gun with professional users	774.00
	DMX control	
	Digital remote	151.00
Magnum 2500HZ	Haze machine	536.00

FIRE RETARDENT**FIRECHECK**

Suitable for most absorbent materials.	Spray bottle - 750 ml	9.00
Used with a light spray, 1 litre should treat approximately 100-120 square ft (10 square metres)	Refill bottle - 5 litres	50.00



RADIO MICROPHONES

Price

Radio Microphones are an area of particular interest to us. Over 20 years of experience is available to assist with that difficult decision regarding an item that needs to work well, and work with the minimum of fuss.

For multi-channel systems you should consider using an aerial distribution amplifier with an efficient pair of dipole aerials.

Important Frequency Information

Channel 69 (854MHz - 862MHz) ceased to be legal to use on 01/01/2013.

Ofcom have allocated Channel 38 as a replacement, and we will normally supply equipment to operate in this band.

Channel 70 - licence exempt - will continue in use past the changeover dates.

Please feel free to consult us about the impact of these changes.

SENNHEISER

The Sennheiser XS range was designed for the small system user with a limited budget. Plastic-bodied transmitters are part of the cost reduction. We have been selling these systems for some time now, with much success. You can use the bodyworn transmitter with the Proel headband microphones below if you don't want to use the tieclip mic supplied.

XSW 35GB	Hand held transmitter and receiver	249.00
XSW 12GB	Body worn transmitter & ME2 microphone and receiver	299.00

The Sennheiser Evolution Range of radio microphones is now in its 3rd iteration (G3). Our most popular range for sales, and the 300 range is our only model in our hire stocks. With metal-bodied transmitters and rackmountable receivers the sophistication of the systems increases as you move from the 100 series upwards.

G3-EW112	Bodyworn transmitter & ME2 microphone and receiver	529.00
G3-EW135	Handheld transmitter and receiver	529.00
G3- EW312	Bodyworn transmitter & ME2 microphone and receiver	769.00
G3-EW335	Handheld transmitter and receiver	805.00
ME2	Miniature condenser microphone	79.00
ASA1	4-way Aerial distribution amplifier	630.00

There are models not listed and we can design and price complete packages. We can also supply individual component parts.

We are always happy to discuss the best systems for your use.



MICROPHONES

Price

SENNHEISER

MD421	Great around a drum kit	349.00
MKH50	Recording quality super-cardioid microphone	1395.00
MKH60	Short shotgun use when you need the very best sound	1395.00
K6P/ME66	Short shotgun combination - great results when over a stage	349.00

SHURE

SM57	Use around a band and get great results	110.25
SM58	Probably the world's most famous vocal microphone	110.25
A25D	Stand clip for SM57 & SM58	4.23

HEADBAND MICROPHONES by Proel



Image for illustration only

These headband microphones are available with a variety of connectors, including 3.5 mm locking jack to suit the Sennheiser Evolution and XS ranges.

Available in beige/pink and black (to order)

HCM03 SE	44.50
HCM23 SE	33.25

MICROPHONE STANDS - black

PRO200	Microphone stand with telescopic boom	35.75
PRO281	Short microphone stand with telescopic boom	35.75
RSM100	Microphone stand with fixed boom	24.95



MICBAG	Heavy duty nylon carry bag with 2 compartments	10.99
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READY MADE CABLES

2 x phono	2 x phono	1.5 metres	2.50
2 x phono	2 x 6.25 mm jack	1.5 metres	5.50
6.25 mm jack	6.25 mm jack	2 metres	3.75
6.25 mm jack	3 XLR male or female	3 metres	3.95
3 XLR male	3 XLR female	3 metres	5.50
		6 metres	6.50
		10 metres	10.99
		20 metres	15.99

All cables are supplied in black. Other colours may be available. Please ask.

**INDUSTRIAL BATTERIES by Duracell****Price**

AAA	MN2400	Pack of 10	3.70
AA	MN1500	Pack of 10	3.95
PP3	MN1604	each	1.28

SOUND MULTICORES

The stagebox is a galvanised sheet metal box with highly resistant epoxy paint finish.

There are a variety of combinations of size from 8 ways with a 10 metre cable, through to a 40 channel system with a 50 metre cable.

Please ask if you don't see your favoured combination below.

TN1204	12 sends with 4 returns	20 metres	321.96
		30 metres	377.77
		50 metres	491.53
TN1604	16 sends with 4 returns	20 metres	375.62
		30 metres	435.72
		50 metres	562.36
TN2408	24 sends with 8 returns	30 metres	751.24

SPEAKERS**PROEL**

EX12P	150w/300w peak	8 ohms	2-way vented enclosure	195.00
EX12MP			Wedge version - as above	201.00
EX15P	200w/400w peak	8 ohms	2-way vented enclosure	240.00
EX15MP			Wedge version - as above	260.00

SPEAKER STANDS

T49200	2 stage telescopic stand maximum height 2.5 metres	89.74
T49465	As above, but in black	89.74

AMPLIFIERS

QSC	@ 4 ohms	@ 8 ohms	
RMX 1450	2 x 400 watts	2 x 260 watts	682.00
RMX 1850HD	2 x 550 watts	2 x 350 watts	844.00
RMX 2450	2 x 650 watts	2 x 450 watts	935.00

MIXERS by Proel

Price

	Inputs	Equalisation	Features	
M6	2 mono, 2 stereo	3-band EQ	FX processor with 16 choices	163.97
M8	4 mono, 2 stereo	3-band EQ	FX processor with 256 choices	245.69
M16USB	8 mono 4 stereo	3-band & sweep 4-band EQ	FX processor with 256 choices USB interface	440.44
M500USB	As M8 with USB and 2 x 250w/4ohm amplifier			485.37
M1000USB	As M16 with USB and 2 x 500w/4 ohm amplifier			907.85

All mixers are supplied with a carry bag and 19" rack adaptors

TOURGUIDE SYSTEMS

TourGuide was originally developed as an easy to use means of radio communication for guides and lecturers on the move. Since its introduction it has also proved a valuable tool for audio description and simultaneous translation in theatre and conference environments

The 2020 D Digital System operating in the UHF Band is now available.



The Digital system has all the benefits of the latest technology:

- Digital signal
- UHF operation offering 6 licence exempt channels
- Body worn and hand held options
- Body worn option permits the use of lapel or head worn microphones
- Easy line level input option on 3.5 mm jack on the body worn pack
- Mains powered transmitter option for fixed installations
- All transmitters and receivers use rechargeable batteries

EZL 2020D	20 way charger case	1099.00
HDE 2020 D	6 channel receiver	259.00
SK2020 D	Body worn transmitter (6 channels with mic & line inputs)	545.00
AVL-618	Head worn microphone to suit SK2020 D	68.81
SKM 2020 D	Hand held transmitter (6 channels)	649.00

For more information about the 2020 D system please visit www.tourguideinfo.co.uk

For hire prices of these systems please see page 4

LADDERS by Zarge

Price



These 3-piece ladders can be used as:

- 1, 2 or 3 section extension ladders
- 3 single ladders
- As a 'lambda' ladder as shown.

The Trade Range is a lighter construction than the Industrial Range.

	Maximum (metres)	Lambda (metres)	Collapsed (metres)	Trade Range	Industrial Range
14 rung	9.70	6.94	4.14	463	581.00
12 rung	8.60	6.09	3.60	367	460.00
10 rung	6.90	4.96	3.00	302	379.00
8 rung	5.80	4.12	2.50	252	316.00
7 rung	5.00	3.60	2.20	230	N/A
6 rung	4.10	3.00	1.90	212	N/A

MUSIC STANDS



There are so many variations of music stand, lit, unlit, different lamp types, and of course a Conductor's stand, that it would not be sensible to list them all here.

The only way to get an accurate price is to talk to us.

FLIGHTCASES & ACCESSORIES

All flightcases are custom built, and subject to quotation. Apart from simple rack cases we can supply a wide variety of cases to suit nearly every need. Foam inserts and carpet lining can be added with ease.

Ask about our range of USED cases.

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SALES TERMS and CONDITIONS

- 1 Title to goods supplied does not pass until full payment has been received.
- 2 Until the goods shall have passed as condition 1 the Customer shall hold the goods as bailee for Gradav Hire & Sales Ltd and shall keep them separately stored and identified as the property of Gradav Hire & Sales Ltd.
- 3 Notwithstanding conditions 1 & 2 the goods shall be at the risk of the Customer alone from the time when they leave the premises of Gradav Hire & Sales Ltd.
- 4 In the event of an invoice for goods supplied for sale remaining unpaid 14 days after the due date for settlement the goods interest will be charged. The rate of this interest to be 2% per month, calculated on a weekly basis. The Customer shall be liable for all legal or other charges incurred in the recovery of payment or equipment.
- 5 Gradav Hire & Sales Ltd gives no warranty that goods supplied for sale are fit for the customer's purpose or purposes. The Customer warrants that he has satisfied himself that the goods will be fit for every purpose for which he requires them and that he does not rely on any skill or judgement of Gradav Hire & Sales Ltd in that regard.
- 6 The Customer shall inspect and test the Goods immediately after delivery and shall within 3 days of delivery give notice in writing to Gradav Hire & Sales Ltd of any respect in which he alleges that the Goods are not in accordance with the contract. If the Customer has not given such notice within that time the Goods shall be deemed to be in every respect in accordance with the contract. Gradav Hire & Sales Ltd shall not be liable for any consequential damages arising there from whatsoever.
- 7 Gradav Hire & Sales Ltd shall be relieved of its obligations under this contract insofar that it is hindered in or prevented from performing them by any circumstances whatever beyond its control.
- 8 Gradav Hire & Sales Ltd will endeavour to meet any agreed delivery conditions, but cannot accept responsibility for any delay in delivery howsoever caused.
- 9 All goods are sold subject to the specifications and warranties issued by the manufacturer. Gradav Hire & Sales Ltd's responsibilities for the malfunction or failure to meet performance standards of goods shall be limited in accordance with such specifications and warranties. Any liability of Gradav Hire & Sales Ltd shall not exceed the value of the goods so supplied.
- 10 All quotations are made by Gradav Hire & Sales Ltd without obligation. Gradav Hire & Sales Ltd reserves the right at any time to vary any quotation or part thereof or to refuse acceptance of any order without assigning any reason for such refusal.
- 11 Where a Customer has Terms and Conditions covering purchasing that conflict with the Terms and Conditions of Gradav Hire & Sales Ltd then the Terms and Conditions of Gradav Hire & Sales Ltd shall take precedence unless specifically agreed in writing by a Director of Gradav Hire & Sales Ltd.
- 12 All quotations and prices are subject to the addition of Value Added Tax at the rate applicable on the date of invoice.
- 13 Any failure by Gradav Hire & Sales Ltd to enforce any or all of these conditions shall not be construed as a waiver of any of Gradav Hire & Sales Ltd rights hereunder.
- 14 We understand and will exercise our statutory right (Late Payment of Commercial Debts Regulations 2002) to claim interest and compensation for debt recovery costs under the late payment legislation if we are not paid according to agreed credit terms
- 15 The terms above and the contract to which this document relates, shall in all respects be construed and operate in accordance with English Law.
- 16 We reserve the right to change these terms and conditions at any time, and without notice.

NB Sizes and weights, where shown, are intended for guidance only.

SALE OR RETURN

- 1 Items are restricted to the following consumables: Batteries (unopened boxes), Pyrotechnic cartridges (full boxes) and unopened Smoke Fluids.
- 2 Items will only be supplied on Sale or Return by prior arrangement with the Hire Department and as part of a Hire.
- 3 Goods not required will be regarded as sold if not returned WITH THE HIRE.

TO PLACE A PURCHASE ORDER

1. Credit facilities are only available by prior arrangement.
2. Written orders are required for all purchases.
3. Where no credit facility exists payment may be made by cheque, credit card or bank transfer. Where appropriate a pro forma invoice will be issued and the goods supplied on receipt of cleared payment.

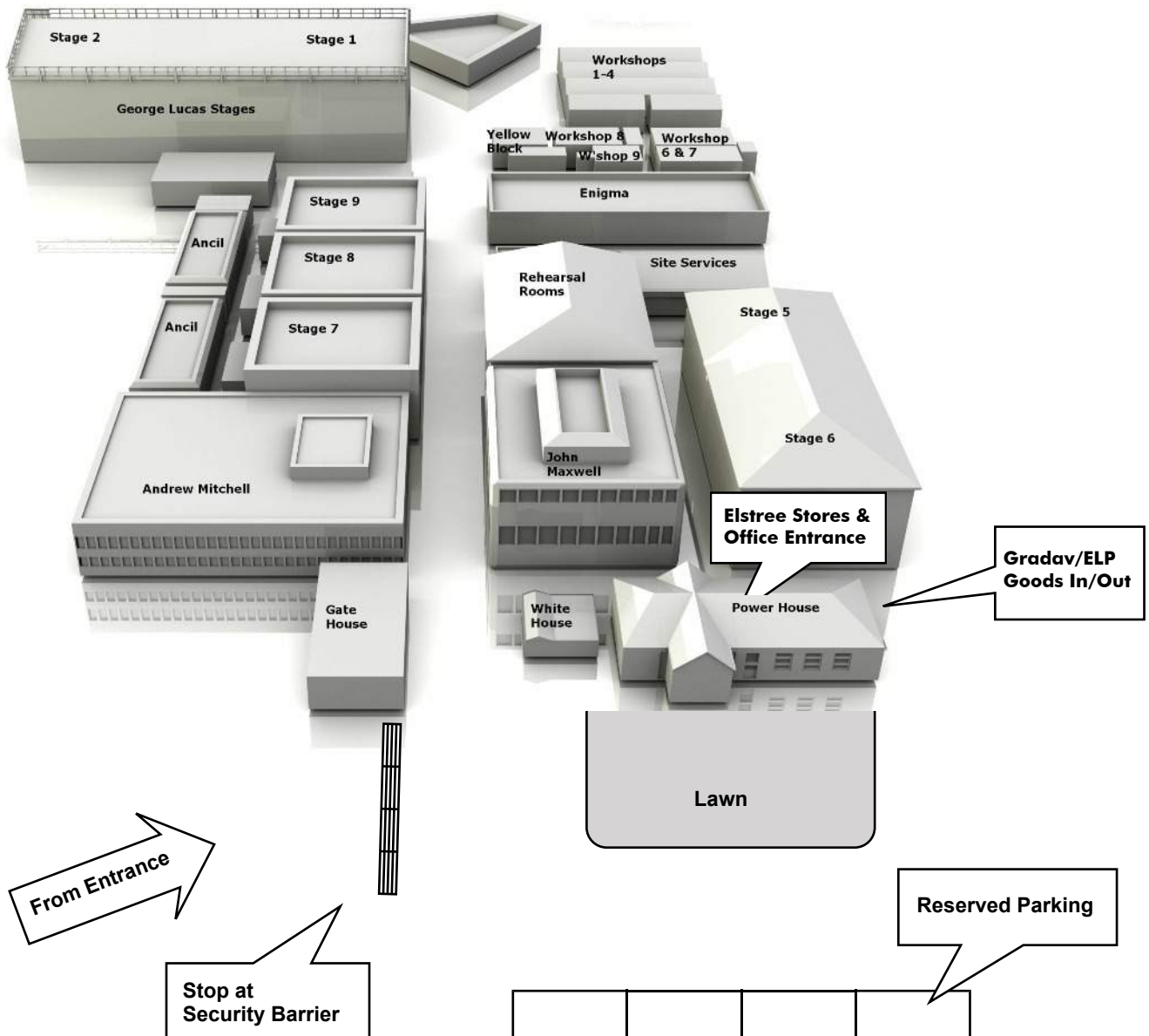
RETURNS PROCEDURE

Goods correctly supplied in accordance with buyer's instructions should not be returned without written consent from Gradav Hire & Sales Ltd. In such event full instructions for the return/collection of the goods will be issued. Restocking charges may be incurred.

HIRE TERMS and CONDITIONS

- 1 Unless specified, hire charges are based on a period of one week, or part thereof, irrespective of whether the equipment is in use or not.
- 2 Any equipment returned after the booked return date will be charged for a minimum of one extra week, regardless of the original hire period.
- 3 The hirer undertakes to insure the equipment at full replacement value, when away from the premises of Gradav Hire & Sales Ltd.
- 4 All hired equipment remains the absolute property of Gradav Hire & Sales Ltd.
- 5 The hirer undertakes to keep and return equipment in good order and condition.
- 6 We reserve the right to charge for repair or replacement of any equipment damaged or lost, howsoever arising, during the period of hire.
- 7 Any equipment damaged during the hire period will remain on hire until all repairs are complete, and the equipment is available for further hire.
- 8 Equipment will be deemed to be on hire until any invoice for repairs or replacements, relating to that equipment, have been paid in full.
- 9 All spares must be returned for inspection, or they will be charged for.
- 10 The hirer assumes responsibility for replacement of all lamps, except those which fail under normal working conditions.
- 11 While Gradav Hire & Sales Ltd will always attempt to provide the ordered equipment; we reserve the right to provide substitute equipment.
- 12 In the event that the hired equipment is faulty, Gradav Hire & Sales Ltd shall not be liable for any consequential damage arising there from and it shall be the responsibility of the customer to return the goods for repair.
- 13 Connectors must not be removed from equipment. We reserve the right to charge for refitting, or inspecting, any connectors found to have been removed.
- 14 Failure to return any cable coiled and taped may result in a charge for coiling and taping said cable.
- 15 Packing supplied with equipment must be returned, or it will be charged.
- 16 All hired equipment should be installed by a competent person. Gradav Hire & Sales Ltd cannot accept any responsibility for damage done to personnel or property whilst equipment is on hire.
- 17 Gradav Hire & Sales Ltd reserves the right to charge for late cancellation of an order.
- 18 Gradav Hire & Sales Ltd will endeavour to meet any agreed delivery conditions, but cannot accept responsibility for any delay in delivery or collection howsoever caused.
- 19 The Hirer will be held liable for the loss of any equipment confiscated because of a failure to comply with all relevant laws and regulations covering the use of Radio Equipment.
- 20 Gradav Hire & Sales Ltd gives no warranty that goods supplied for hire are fit for the customer's purpose or purposes. The Customer warrants that he has satisfied himself that the goods will be fit for every purpose for which he requires them and that he does not rely on any skill or judgement of Gradav Hire & Sales Ltd in that regard.
- 21 All quotations are made by Gradav Hire & Sales Ltd without obligation and we reserve the right at any time to vary any quotation or part thereof or to refuse acceptance of any order without assigning any reason for such refusal.
- 22 Gradav Hire & Sales Ltd reserves the right to inspect all hired equipment at any time during the hire period.
- 23 Where a Customer has Terms and Conditions covering purchasing and hiring that conflict with the Terms and Conditions of Gradav Hire & Sales Ltd then the Terms and Conditions of Gradav Hire & Sales Ltd shall take precedence unless specifically agreed in writing by a Director of Gradav Hire & Sales Ltd.
- 24 All quotations and prices are subject to the addition of Value Added Tax at the rate applicable on the date of invoice.
- 25 We understand and will exercise our statutory right (Late Payment of Commercial Debts Regulations 2002) to claim interest and compensation for debt recovery costs under the late payment legislation if we are not paid according to agreed credit terms
- 26 Where a delivery or collection cannot be completed because of a lack of access at the venue the customer shall still be liable for all agreed charges and for any additional costs incurred completing the delivery or collection.
- 27 Where a delivery with staging has been arranged it is part of the contract that there is at least 1 person capable of assisting the driver to carry decking panels for the purposes of unloading. Failure to provide this assistance may result in the non-delivery of the goods. The customer will remain liable for the full cost of the hire and carriage. Extra charges may be levied for a second delivery attempt and/or the cost of providing assistance to the driver.
- 28 Where a collection with staging has been arranged it is part of the contract that there is at least 1 person capable of assisting the driver to carry decking panel for the purposes of loading. Failure to provide this assistance may result in the non-collection of goods. Extra charges may be levied for other collection attempts and/or the cost of providing assistance for the driver and/or extending the hire period until the goods are returned to our stores.
- 29 Failure to dismantle equipment and have it packed ready for collection at the end of a hire will lead to extra charges which may include extending the hire period until dismantling and packing has taken place and the goods are returned to our stores.
- 30 Where we agree to provide assistance to our driver for the purposes of delivery or collection such agreements must be confirmed in writing by both parties before our transport leaves our stores.
- 31 The terms above and the contract to which this document relates, shall in all respects be construed and operate in accordance with English Law.
- 32 We reserve the right to change these terms & conditions at any time, and without notice.
- 33 Please note dimensions in this catalogue, where shown, are intended for guidance only

Elstree Film Studios Site Map



Gradav Hire and Sales Ltd

The Power House
Elstree Film Studios
Shenley Road
Borehamwood
WD6 1JG

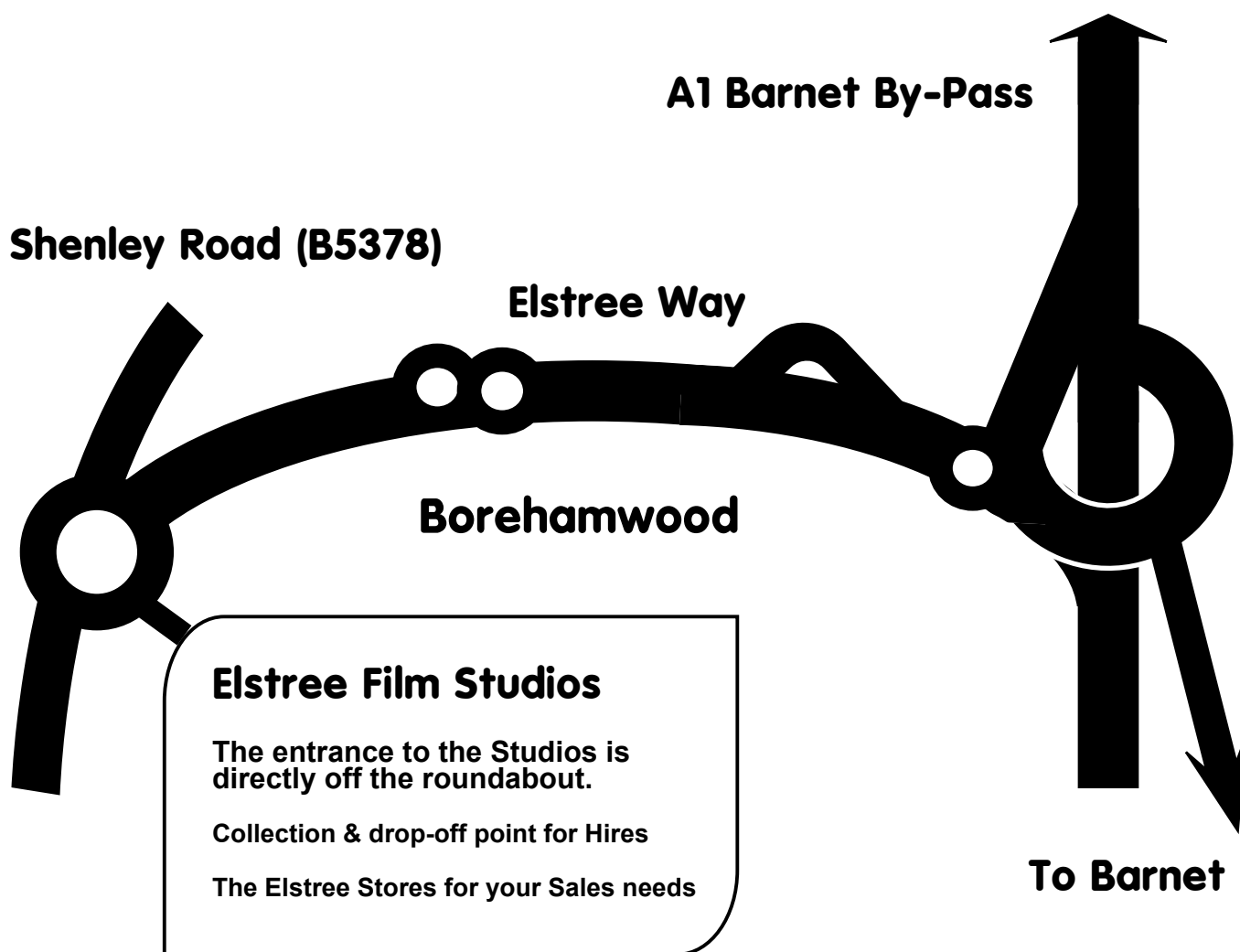
Phone 020 8324 2113
email office@gradav.co.uk

We are open: Monday - Friday 09:00 - 17:45

An Elstree Light and Power Company

Map not to scale

To M25 (South Mimms)



Gradav Hire and Sales Ltd

**Elstree Light and Power
The Power House
Elstree Film Studios
Shenley Road
Borehamwood
Herts
WD6 1JG**

Phone 020 8324 2113

Fax 020 8324 2933

email office@gradav.co.uk

Please see over for a map showing how to find us in Elstree Film Studios



**See our catalogue for details of
these and more Dirty Rigger products**

Gradav Hire and Sales Ltd

The Power House
Elstree Film Studios
Shenley Road
Borehamwood
WD6 1JG

Phone 020 8324 2100 FAX 020 8324 2933
email office@gradav.co.uk Web www.gradav.co.uk

