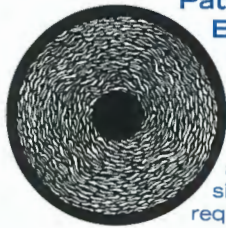


ANIMATION DISCS

Pattern 11: Tangential Breakup



produces a subtle rippling motion, particularly when moving parallel with the lines of the gobo. It is most suitable for rising flames, flowing water and other effects where a single direction of movement is required.

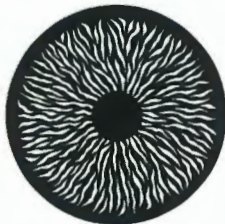
Pattern 17: Elliptical Breakup



produces bi-directional movement similar to the Spiral Breakup, but with constantly changing direction of movement. This is specifically useful for snow or similar effects where "flurries" of movement would be expected.

Pattern 12: Radial Breakup

provides a strong regular movement suitable for flickering flames, water ripple, reflected water, and shimmer for heat haze or mirage effects.

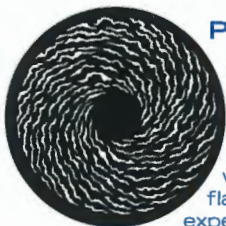


Pattern 18: Dot Breakup

causes motion while maintaining a more focused projection of the gobo image. It is suggested for effects such as falling leaves or rising bubbles.



Pattern 13: Spiral Breakup



similar to pattern 12 (Radial Breakup) but with some movement at right angles to the main motion, as is seen in wind-blown rain, snow or flames. It is particularly worth experimenting with the angle of the

gobo and the orientation of the disc to achieve all the possibilities with this pattern.

Pattern 19: Flicker Wheel



can be used in conjunction with a high motor speed for passing train effects or just to break up the beam of a lantern for simple strobe effects

Pattern 14: Linear Breakup

provides rhythmic movement and can be used to simulate a breeze through the branches of a tree or rhythmic undulations of sea waves.



Pattern 20: Coarse Radial Breakup

is particularly effective for animating light from a non-focusing source (non-profile lantern) whilst providing a minimal loss in intensity due to the high "white to black" ratio of the radial pattern. Also effective for similar uses to radial breakup



Pattern 15: Triangle Breakup



gives a more pronounced and rapid rhythmic effect than Pattern 14 (Linear Breakup) and is suitable for use with split colour as a psychedelic effect or for a rough sea effect.

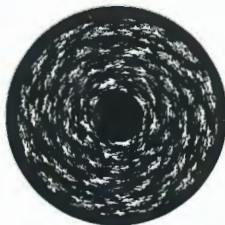
Pattern 21: Coarse Tangential Breakup



is most suitable for use in profile lanterns without the use of a gobo, in Fresnel or PC lanterns or on M16 mini parcans for flames etc.

Pattern 16: Cloud Breakup

is designed for a softer directional movement particularly at slow or very slow speeds. Use for cloud effects with cloud gobos or for a soft slow-flowing stream effect.



Pattern 22: Colour Wheel

accepts five gels (held in place with standard paper fasteners) to give continual colour changes.



ORDERING CODES - EXAMPLES ONLY

- DA12 RADIAL BREAKUP DISC FOR AMU075 - AMU085
- DD16 CLOUD BREAKUP DISC FOR AMU165 - AMU 185
- DC19 FLICKER DISC FOR AMU125 - AMU160
- DE17 ELLIPTICAL BREAKUP WHEEL FOR AMU215 - AMU245

EFFECTS IDEAS

The ideas outlined below are intended as suggestions only. The precise look of any effect will depend on many factors including the lantern used, the focus of the lantern and the projection surface.

WATER

RIPPLING WATER



DISC 12
mounted above lens
0.25, 1 or 2rpm

&



Gobo 955
or
958
or
833

Alternative gobos:

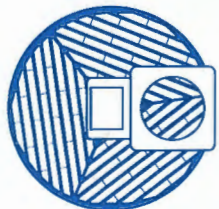
Linear Breakups 401, 402, 501, 504,
Shower 882.

Alternative Animation discs:

Coarse Radial Breakup 20 gives a
bolder movement, Spiral Breakup 13
adds some flowing movement.

Use slower speeds for gentler or more distant movement. For rough water substitute a more "wavy" gobo design such as Reflected Water 906, Flames-4 960 or Fire/Waves 238-275 and use Coarse Radial Breakup 20 or Elliptical Breakup 17 (for an irregular movement) and a higher motor speed.

WAVES



DISC 15
mounted beside lens
0.25, 1 or 2rpm

&



Gobo 504
or
238-275

Alternative gobos:

Linear Breakups 401, 402, 501, 504,
Reflected Water 906.

Alternative Animation discs:

Linear Breakup 14, Elliptical Breakup
17 (irregular rhythm).
Try a few strips of colour attached to
the disc or split colour in the colour
frame.
Experiment with the focus.

REFLECTED WATER



DISC 12
either orientation
0.25, 1 or 2 rpm

&



Gobo 903

or



Gobo 906

Alternative Gobos:
Elliptical Breakup 17 (irregular movement).

REFLECTED WATER

(Afocal Lantern)



DISC 11
mounted beside lens
1, 2 or 5 rpm



"Birdie"
(M16 mini parcan)

WHIRLPOOL



DISC 13
either orientation
2 or 5 rpm

&



Gobo Rotator
Gobo 893

A whirlpool may be created using gobo 893 with either the rotator or the animation alone, however, the combination is particularly effective. Alternatively, two 893 gobos could be used in a double gobo rotator.

FLOWING WATER



DISC 11
mounted above lens
0.25, 1 or 2rpm

&



Gobo 955

or



958

or



960

FIRE

DHA's animation range is very versatile in producing fire and flame effects and good results may be obtained from many different disc patterns together with any of the flames and fire gobos available from DHA.

BLOWING FLAMES



DISC 13
either orientation
1, 2 or 5 rpm

&



Gobo 176

or



Gobo 175

Alternative Animation discs:

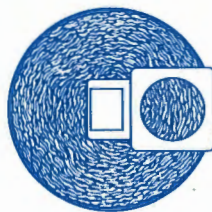
Elliptical Breakup 17 (gives irregular movement), Dot-Breakup 18.

Alternative gobos:

Any of the Fire and Flames gobos may be used.

Use strips of red, orange or yellow gel attached to the disc.

RISING FLAMES



DISC 11
mounted beside lens
1 or 2 rpm

&



Gobo 176

or



Gobo 175

Try split colour in the colour frame.

RISING FLAMES

(Afocal Lantern)



DISC 21
mounted beside lens
2 or 5 rpm

&



"Birdie"
(M16 mini parcan)

Attach strips of colour to the disc.

CLOUDS, RAIN & SNOW

The versatility of gobo animation makes this an ideal technique for creating all sorts of weather effects.

CLOUDS



DISC 16
mounted above lens
0.25 or 1 rpm

&



Gobo 163

or



Gobo 164

or



Gobo 167

Any non-meshed cloud gobo...



or

Gobo 168

or



Gobo 170

RAIN



DISC 13
mounted beside lens
2 or 5 rpm

&



Gobo 882

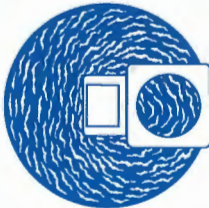
or



Gobo 503

For driving rain, angle the gobo then try turning the disc over to find the best direction for the spiral pattern.

SNOW



DISC 17
mounted beside lens
1 or 2 rpm

&



Gobo 884

OTHER EFFECTS

Some examples of common uses for DHA Moving Effects

LIGHT THROUGH TREES



DISC 17
either orientation
1 or 2 rpm

Almost any disc pattern can be used to animate a wide range of breakup gobos in this way.

TREE IN BREEZE



DISC 14
mounted beside lens
1 or 2 rpm

Alternative gobos:
DHA produce a wide range of tree, branch and foliage gobos.

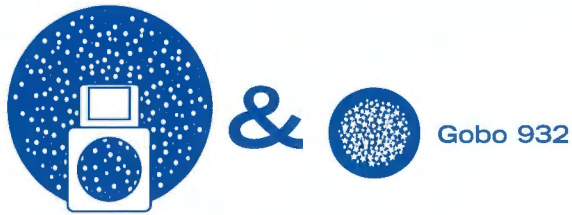
PASSING TRAIN



DISC 19
mounted above lens
10 rpm

Blanking some holes in the disc with tape can be used to interrupt the regular pulsation of the effect, as between railway carriages.

DANCING STARS



DISC 18
mounted above lens
5 rpm

Disc 18 can be used with many of the more definite gobo patterns to make them ripple and shimmer in this way. It is also effective with projected text.

NIGHTCLUB & DISCO EFFECTS



Gobo Rotator
Gobo 894

&



Gobo 895
or



Gobo 961
or



Gobo 931



Gobo 891
or



Gobo 929



Gobo 892
Laser Cone works particularly well in smoke as the tags create an impression of high-speed rotation.

Note: All of the above gobos are best projected through smoke or at an oblique angle onto a wall or other surface.

MOVING EFFECTS ORDER CODES

So that we can process your order as efficiently as possible please ensure that, for each effect unit, you specify the speed and, for fixed speed effects, the voltage (120V or 230V).

Please specify moving effects in the form:

Effect code [including size] / speed / voltage

For Varispeed effects use V for the speed and omit the voltage.

e.g. AMU185/V Varispeed animation for Cantata, Silhouette etc.
RTR005/0.25/120 Rotator for CCT Minuette, 0.25 rpm, 120 Volts AC

Please ensure that any special instructions, such as non-standard motor speeds or indexing requirements, are included when you place your order.

If you are in doubt about what you need our sales and technical staff will be pleased to help you.

MOTOR SPEEDS

Motorised units in DHA's moving effects range are available in several speed and voltage options. Unless otherwise stated fixed speed units are available in 0.25, 1, 2, 5 or 10 rpm. All fixed speed motors are mains synchronous and speeds are quoted for 50Hz mains supplies. Although these effects will all work well with 60Hz supplies their speeds will be 20% higher than those quoted. The indexing option is available on all fixed-speed effects.

It is often possible to supply fixed speed units with non-standard motor speeds for special purposes, at a small additional charge – please call DHA to discuss your application. Varispeed effects are powered by 12V DC motors allowing remote control of both the speed and direction of an effect, using either of DHA's DC Controllers to provide both control and power to individual devices. Speeds quoted for Varispeed effects are for guidance only and cannot be guaranteed.

There are two different speed ranges for Varispeed motors. As standard Animation Units are supplied with the slower motors (0 to 6 rpm), while Gobo Rotators are supplied with faster motors (0 to 20 rpm). If you require a different motor to be fitted you must specify with your order.