

Effects

This section gives details of the effects available in the ERA 800 Performance. See the DMX protocol table on page 18 for a list of channels and commands used to control the effects via DMX.

Where fine control is available, the main control channel sets the first 8 bits (the most significant byte or MSB), and the fine channels set the second 8 bits (the least significant byte or LSB) of the 16-bit control byte. In other words, the fine channel works within the position set by the coarse channel.

When the ERA 800 Performance is included in a Martin P3™ video system, the fixture provides seven pixels that can be controlled from a P3 video controller and media server or other video source.

Shutter and strobe effects

The ERA 800 Performance's electronic shutter effect provides instant blackout and snap open as well as regular or random strobe and pulse effects with variable speed from approx. 1Hz to 20 Hz.

Dimming

Smooth 0-100% overall dimming is available with 16-bit control resolution. Four dimming curves are available (see Figure 6 on page 13).

Color mixing

The ERA 800 Performance features dichroic CMY color filters, with 16-bit continuous color mixing available on six DMX channels.

Color temperature control

16-bit color temperature control is available on two dedicated CTC channels. You can adjust the fixture's color temperature smoothly and continuously from 6500 K to 2700 K.

Color wheel

The ERA 800 Performance provides a color wheel that lets you select from 6 dichroic color filters plus open (see Figure 1).

The color wheel can be scrolled continuously with control of speed and direction.

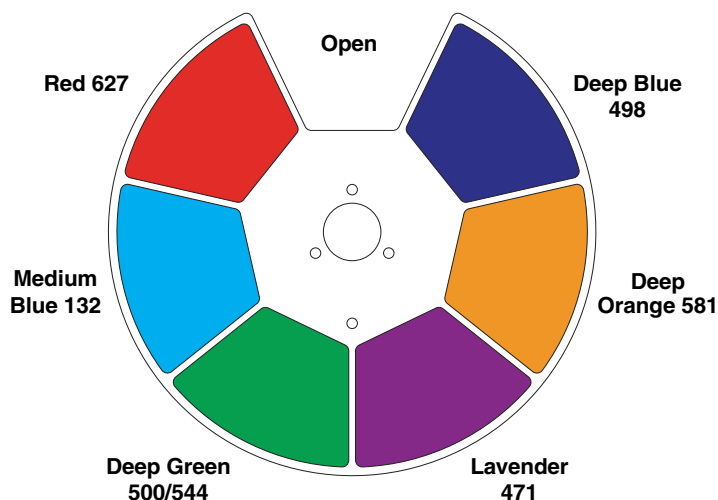
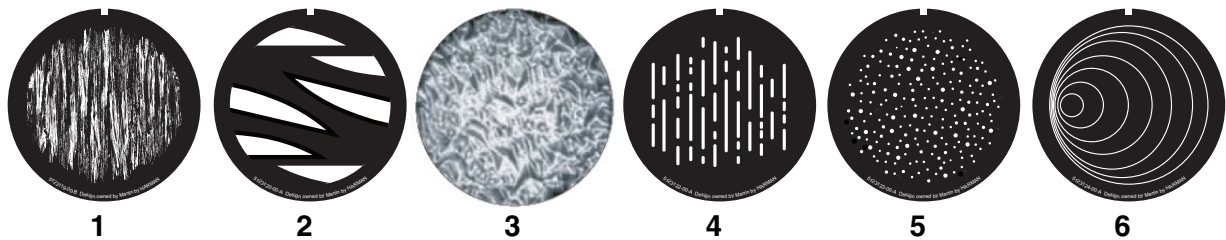


Figure 1: Color wheel

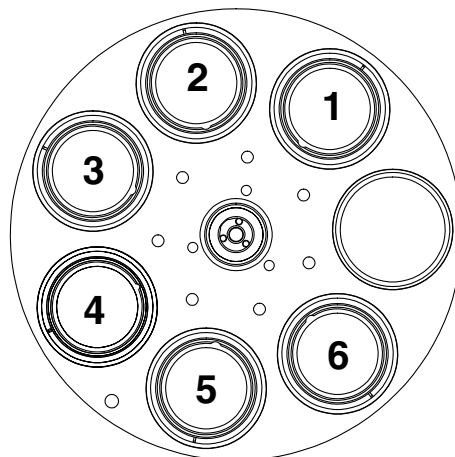
Rotating gobos

The rotating gobo wheel in the ERA 800 Performance has six rotating gobos that can be selected, indexed (positioned at an angle), rotated continuously and shaken (bounced). The gobo wheel itself can also be scrolled continuously or shaken. Gobo selection and control type (indexing, continuous gobo rotation, gobo shake or continuous gobo wheel scrolling) are selected on channel 13. Depending on what is selected on this channel, the gobo indexed angle or gobo rotation speed are set on channels 14 and 15 with 16-bit control resolution.

The standard gobos are shown in the correct order in Figure 2. All gobos are interchangeable, but Gobo 3 (Limbo) is fused glass and has a special goboholder. The ERA 800 Performance Safety and Installation Guide contains details.



| Slot - Gobo | Part number |
|-----------------------------|----------------|
| 1. Ray Brush | P/N 5123119-00 |
| 2. Too Many Doctors | P/N 5123120-00 |
| 3. Limbo (fused glass)..... | P/N 5123121-00 |
| 4. Light Lines..... | P/N 5123122-00 |
| 5. Dots in Space..... | P/N 5123123-00 |
| 6. Sonar..... | P/N 5123124-00 |



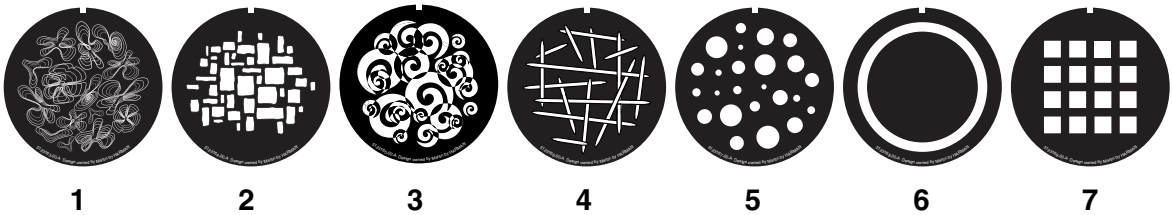
Rotating gobo wheel seen from LED side

Figure 2: Rotating gobos installed as standard

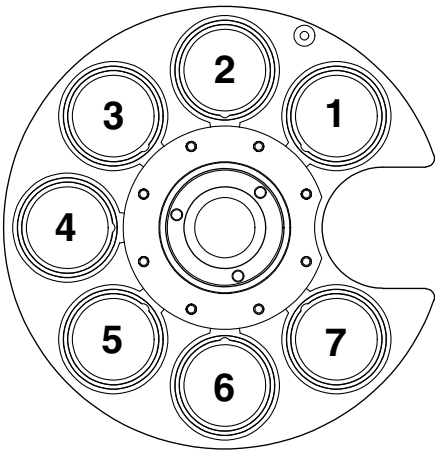
Static gobos

The static gobo wheel in the ERA 800 Performance has seven static gobos. The static gobo wheel can be scrolled continuously or shaken. Gobo selection and control type (indexing, continuous gobo rotation, gobo shake or continuous gobo wheel scrolling) are selected on channel 6. Depending on what is selected on this channel, the gobo indexing angle or gobo rotation speed are set on channels 7 and 8, where 16-bit control is available.

The standard gobos are shown in the correct order in Figure 3.



| Slot - Gobo | Part number |
|---------------------------|----------------|
| 1. Ray Flowers | P/N 5123163-00 |
| 2. Brick It | P/N 5123164-00 |
| 3. Happy..... | P/N 5123165-00 |
| 4. Mikado | P/N 5123166-00 |
| 5. Dots..... | P/N 5123167-00 |
| 6. Lasercone Single | P/N 5123168-00 |
| 7. Squares..... | P/N 5123169-00 |



Static gobo wheel seen from LED side

Figure 3: Static gobos installed as standard

Static gobos may be replaced by Martin Global Service or its authorized agents only.