

# VARYCOLOR P6



**DMX Protokoll  
DMX Chart**

Deutsch

English



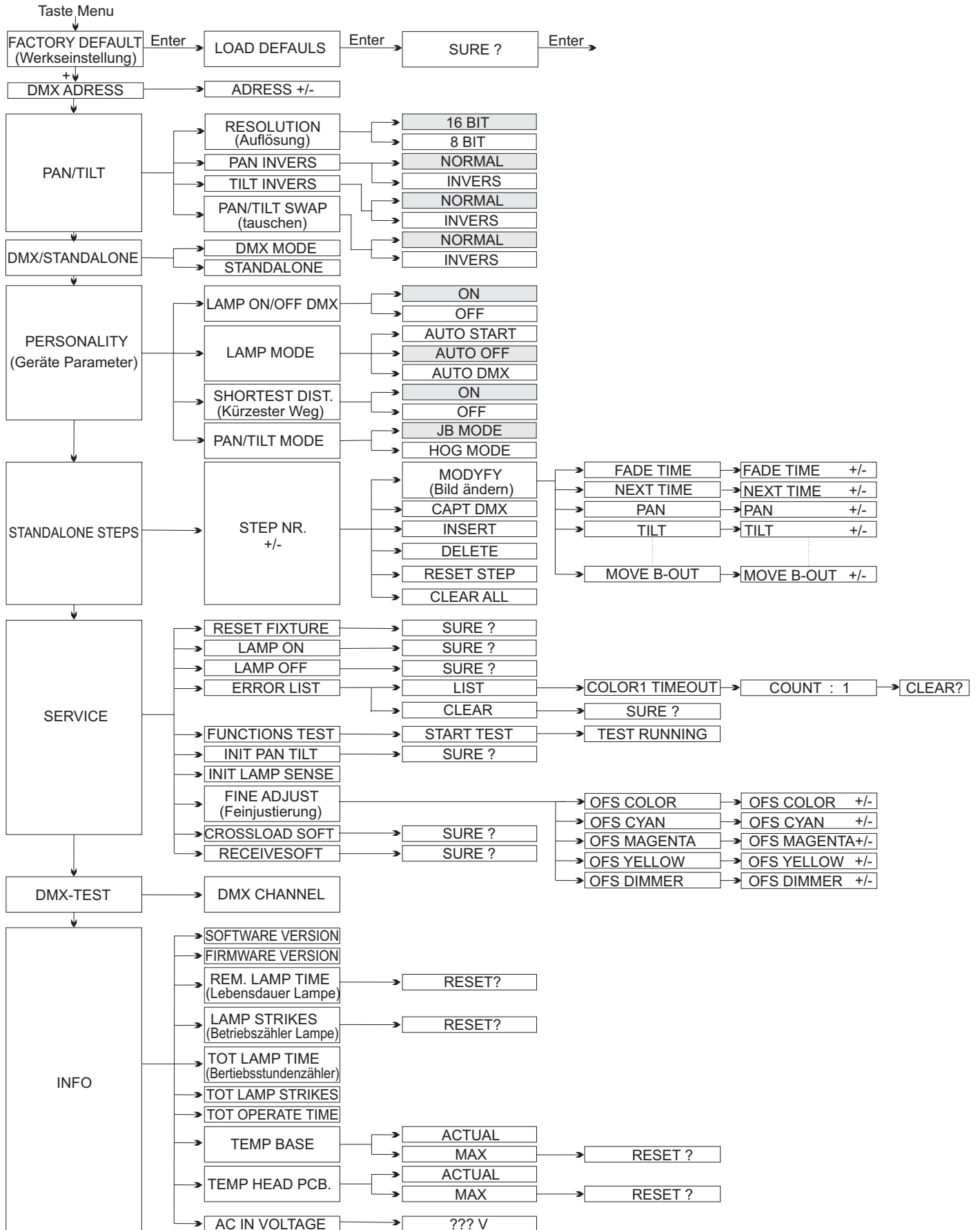
**JB-lighting**

*Varycolor*

Lichtanlagentechnik GmbH

JB-lighting Lichtanlagentechnik GmbH  
Sallersteigweg 15 D-89134 Blaustein-Wipplingen  
Telefon +49 (0)7304-9617-0  
Telefax +49 (0)7304-9617-99  
<http://www.jb-lighting.de>

### 3.1 Menü-Übersicht



## 4. Kanalbelegung

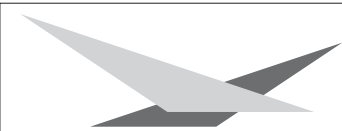
<b>JB MODE</b>	Kanal 5 Lampe, Reset	Kanal 15 Farbrad
Kanal 1 Pan	Kanal 6 Shutter	Kanal 16 Pan/Tilt Geschw.
Kanal 2 Tilt	Kanal 7 Dimmer	Kanal 17 Effektggeschw.
Kanal 3 Pan fein	Kanal 8 Effektrad	Kanal 18 Blackout Move
Kanal 4 Tilt fein	Kanal 9 Zoom	
<b>HOG MODE</b>	Kanal 10 Farbmakro nur CMY	
Kanal 1 Pan	Kanal 11 Cyan	
Kanal 2 Pan fein	Kanal 12 Magenta	
Kanal 3 Tilt	Kanal 13 Yellow	
Kanal 4 Tilt fein	Kanal 14 nicht belegt	

### Aufteilung der einzelnen Kanäle

<b>JB MODE</b>		<b>HOG MODE</b>			
Kanal 1	Pan (X) Bewegung	Kanal 1	Pan (X) Bewegung	DMX 000-255	00-FF
Kanal 2	Tilt (Y) Bewegung	Kanal 2	Pan (X) fein	DMX 000-255	00-FF
Kanal 3	Pan (X) fein	Kanal 3	Tilt (Y) Bewegung	DMX 000-255	00-FF
Kanal 4	Tilt (Y) fein	Kanal 4	Tilt (Y) fein	DMX 000-255	00-FF
Kanal 5	Sicherheit			DMX 000-231	00-E7
	Lampe aus (nach 3 Sekunden)			DMX 232-239	E8-EF
	Reset (nach 1 Sekunde)			DMX 240-247	F0-F7
	Lampe an			DMX 248-255	F8-FF
Kanal 6	Shutter zu			DMX 000-015	00-0F
	Shutter auf			DMX 016-111	10-6F
	Fade-out-Effekt	(langsam -> schnell)		DMX 112-125	70-7D
	Shutter auf			DMX 126	7E
	Shutter zu			DMX 127	7F
	Shutter pulsierend öffnen	(schnell->langsam)		DMX 128-142	80-8E
	Shutter auf			DMX 143	8F
	Shutter pulsierend schließen	(schnell->langsam)		DMX 144-158	90-9E
	Shutter zu			DMX 159	9F
	Shutter fade 0% (schnell 0,6sec-langsam 4,8sec)			DMX 160-174	A0-AE
	Shutter auf			DMX 175	AF
	Shutter fade 100% (schnell 0,6sec-langsam 4,8sec)			DMX 176-190	B0-BE
	Shutter zu			DMX 191	BF
	Shutter Zufall 100% (schnell 0,6sec-langsam 4,8sec)			DMX 192-206	C0-CE
	Shutter auf			DMX 207	CF
	Shutter Zufall 0% (schnell 0,6sec-langsam 4,8sec)			DMX 208-222	D0-DE
	Shutter zu			DMX 223	DF
	S. Zufall fade 0% (schnell 0,6sec-langsam 4,8sec)			DMX 224-238	E0-EE
	Shutter auf			DMX 239	EF
	S. Zufall fade 100% (schnell 0,6sec-langsam 4,8sec)			DMX 240-254	F0-FE
	Shutter auf			DMX 255	FF
Kanal 7	Dimmer 0-100%			DMX 000-255	00-FF
Kanal 8	Effektrad auf			DMX 000-005	00-05
	Beamshape			DMX 006-063	06-3F
	Frost 0-100%			DMX 064-127	40-7F
	Frost Shutter pulsierend öffnen	(schnell->langsam)		DMX 128-142	80-8E
	Frost auf			DMX 143	8F
	Frost Shutter pulsierend schließen	(schnell->langsam)		DMX 144-158	90-9E
	Frost zu			DMX 159	9-F



	Frost fade zu	(schnell 0,6-langsam 4,8sec)	DMX 160-174	A0-AE
	Frost auf		DMX 175	AF
	Frost fade auf	(schnell 0,6-langsam 4,8sec)	DMX 176-190	B0-BE
	Frost zu		DMX 191	BF
	Frost Zufall öffnend	(schnell 0,6-langsam 4,8sec)	DMX 192-206	C0-CE
	Frost auf		DMX 207	CF
	Frost Zuf. schließend	(schnell 0,6-langsam 4,8sec)	DMX 208-222	D0-DE
	Frost zu		DMX 223	DF
	Frost Zufall fade zu	(schnell 0,6-langsam 4,8sec)	DMX 224-238	E0-EE
	Frost auf		DMX 239	EF
	Frost Zufall fade auf	(schnell 0,6-langsam 4,8sec)	DMX 240-254	F0-FE
	Frost auf		DMX 255	FF
Kanal 9	Zoom 0-100%		DMX 000-255	00-FF
Kanal 10	Weiß ohne Funktion		DMX 000-007	00-07
	Lavender Tint		DMX 008-015	08-0F
	Pale Yellow		DMX 016-023	10-17
	Medium Yellow		DMX 024-031	18-1F
	Spring Yellow		DMX 032-039	20-27
	Deep Amber		DMX 040-047	28-2F
	Orange		DMX 048-055	30-37
	Gold Amber		DMX 056-063	38-3F
	Dark Amber		DMX 064-071	40-47
	Scarlet		DMX 072-079	48-4F
	Primary Red		DMX 080-087	50-57
	Bright Rose		DMX 088-095	58-5F
	Pink Carnation		DMX 096-103	60-67
	Dark Magenta		DMX 104-111	68-6F
	Magenta		DMX 112-119	70-77
	Mauve		DMX 120-127	78-7F
	Rose Purple		DMX 128-135	80-87
	Rose Pink		DMX 136-143	88-8F
	Medium Pink		DMX 144-151	90-97
	Carnation Pink		DMX 152-159	98-9F
	Deep Lavender		DMX 160-167	A0-A7
	Paler Lavender		DMX 168-175	A8-AF
	Light Lavender		DMX 176-183	B0-B7
	Mist Blue		DMX 184-191	B8-BF
	Pale Blue		DMX 192-199	C0-C7
	Sky Blue		DMX 200-207	C8-CF
	Dark Blue		DMX 208-215	D0-D7
	Peacock Blue		DMX 216-223	D8-DF
	Lime Green		DMX 224-231	E0-E7
	Light Green		DMX 232-239	E8-EF
	Fern Green		DMX 240-247	F0-F7
	Dark Green		DMX 248-255	F8-FF
Kanal 11	Cyan 0-100%		DMX 000-255	00-FF
Kanal 12	Magenta 0-100%		DMX 000-255	00-FF
Kanal 13	Yellow 0-100%		DMX 000-255	00-FF
Kanal 14	nicht belegt		DMX 000-255	00-FF
Kanal 15	Farbe 1 weiß		DMX 000-003	00-03
	Farbe 2 weiß/rot		DMX 004-007	04-07
	Farbe 3 rot		DMX 008-011	08-0B
	Farbe 4 rot/gelb		DMX 012-015	0C-0F



	Farbe 5	gelb	DMX 016-019	10-13
	Farbe 6	gelb/magenta	DMX 020-023	14-17
	Farbe 7	magenta	DMX 024-027	18-1B
	Farbe 8	magenta/grün	DMX 028-031	1C-1F
	Farbe 9	grün	DMX 032-035	20-23
	Farbe 10	grün/orange	DMX 036-039	24-27
	Farbe 11	orange	DMX 040-043	28-2B
	Farbe 12	orange/blau	DMX 044-047	2C-2F
	Farbe 13	blau	DMX 048-051	30-33
	Farbe 14	blau/türkis	DMX 052-055	34-37
	Farbe 15	türkis	DMX 056-059	38-3B
	Farbe 16	türkis/weiß	DMX 060-063	3C-3F
	Farben stufenlos positionieren		DMX 064-191	40-BF
	Farbraddreh rechts		DMX 192-222	C0-DE
	Farbraddreh Stop		DMX 223-224	DF-E0
	Farbraddreh links		DMX 225-255	E1-FF
Kanal 16	Bewegung in Echtzeit		DMX 000-003	00-03
	Bewegung Zeit verzögert (langsam-schnell)		DMX 004-255	04-FF
Kanal 17	Effekte in Echtzeit		DMX 000-003	00-03
	Effekte Zeit verzögert (langsam-schnell)		DMX 004-255	04-FF
Kanal 18	Keine Funktion		DMX 000-095	00-5F
	Dimmer schließt bei Pan-Tilt		DMX 096-127	60-7F
	Dimmer schließt bei Effekt, Farbe, CMY		DMX 128-159	80-9F
	Dimmer schließt bei Effekt, Farbe, CMY, Zoom		DMX 160-191	A0-BF
	Dimmer schließt bei Effekt, Farbe, CMY, Pan-Tilt		DMX 192-223	C0-DF
	Dimmer schließt bei Effekt, Farbe, CMY, Zo..., Pan-Tilt		DMX 224-255	E0-FF

Die Fadezeit beim Dimmer ist einstellbar von langsam 5sec-max

## 4. DMX Protocol

<b>JB MODE</b>	channel no. 5 lamp, reset	channel no. 15 colour wheel
channel no. 1 pan	channel no. 6 shutter	channel no. 16 speed pan/tilt
channel no. 2 tilt	channel no. 7 dimmer	channel no. 17 speed effects
channel no. 3 pan fine	channel no. 8 effect wheel	channel no. 18 blackout move/ blink mode
channel no. 4 tilt fine	channel no. 9 zoom	
<b>HOG MODE</b>	channel no.10 colour macro CMY	
channel no. 1 pan	channel no.11 cyan	
channel no. 2 pan fine	channel no.12 magenta	
channel no. 3 tilt	channel no.13 yellow	
channel no. 4 tilt fine	channel no.14 ----	

### Channel allocation

<b>JB MODE</b>	<b>HOG MODE</b>		
Channel 1 Pan movement, coarse	Channel 1 Pan (X) coarse	DMX 000-255	00-FF
Channel 2 Tilt movement, coarse	Channel 2 Pan (X) fine	DMX 000-255	00-FF
Channel 3 Pan movement, fine	Channel 3 Tilt (Y) coarse	DMX 000-255	00-FF
Channel 4 Tilt movement, fine	Channel 4 Tilt (Y) fine	DMX 000-255	00-FF
Channel 5 safe		DMX 000-231	00-E7
lamp off (after 3 seconds)		DMX 232-239	E8-EF
reset (after 1 second)		DMX 240-247	F0-F7
lamp on		DMX 248-255	F8-FF
Channel 6 shutter closed		DMX 000-015	00-0F
shutter open		DMX 016-111	10-6F
fade-out (slow - fast)		DMX 112-125	70-7D
shutter open		DMX 126	7E
shutter closed		DMX 127	7F
periodic pulse opening (fast to slow)		DMX 128-142	80-8E
shutter open		DMX 143	8F
periodic pulse closing (fast - slow)		DMX 144-158	90-9E
Shutter closed		DMX 159	9F
periodic snap open/ramp shut (fast to slow)		DMX 160-174	A0-AE
shutter open		DMX 175	AF
periodic ramp open/snap shut (fast to slow)		DMX 176-190	B0-BE
shutter closed		DMX 191	BF
random opening pulse (fast to slow)		DMX 192-206	C0-CE
shutter open		DMX 207	CF
random closing pulse (fast to slow)		DMX 208-222	D0-DE
shutter closed		DMX 223	DF
random snap open/ramp shut (fast to slow)		DMX 224-238	E0-EE
shutter open		DMX 239	EF
random ramp open/snap shut (fast to slow)		DMX 240-254	F0-FE
shutter open		DMX 255	FF
Channel 7 dimmer 0-100%		DMX 000-255	00-FF
Channel 8 effect wheel open		DMX 000-005	00-05
Beamshape		DMX 006-063	06-3F
flood 0 - 100%		DMX 064-127	40-7F
flood opening pulse (fast - slow)		DMX 128-142	80-8E
flood open		DMX 143	8F
flood closing pulse (fast - slow)		DMX 144-158	90-9E
flood closed		DMX 159	9-F



	flood snap open/fade shut (fast - slow)	DMX 160-174	A0-AE
	flood open	DMX 175	AF
	flood ramp open/snap shut (fast - slow)	DMX 176-190	B0-BE
	flood closed	DMX 191	BF
	flood periodic ramp open (fast - slow)	DMX 192-206	C0-CE
	flood open	DMX 207	CF
	flood periodic snap shut (fast - slow)	DMX 208-222	D0-DE
	flood closed	DMX 223	DF
	flood periodic ramp shut (fast - slow)	DMX 224-238	E0-EE
	flood open	DMX 239	EF
	flood periodic ramp open	DMX 240-254	F0-FE
	frost open	DMX 255	FF
Channel 9	zoom 0-100%	DMX 000-255	00-FF
Channel 10	Colour macros CMY, open white	DMX 000-007	00-07
	lavender tint	DMX 008-015	08-0F
	pale yellow	DMX 016-023	10-17
	medium yellow	DMX 024-031	18-1F
	spring yellow	DMX 032-039	20-27
	deep amber	DMX 040-047	28-2F
	orange	DMX 048-055	30-37
	gold amber	DMX 056-063	38-3F
	dark amber	DMX 064-071	40-47
	scarlet	DMX 072-079	48-4F
	primary red	DMX 080-087	50-57
	bright rose	DMX 088-095	58-5F
	pink carnation	DMX 096-103	60-67
	dark magenta	DMX 104-111	68-6F
	magenta	DMX 112-119	70-77
	mauve	DMX 120-127	78-7F
	rose purple	DMX 128-135	80-87
	rose pink	DMX 136-143	88-8F
	medium pink	DMX 144-151	90-97
	carnation pink	DMX 152-159	98-9F
	deep lavender	DMX 160-167	A0-A7
	paler lavender	DMX 168-175	A8-AF
	light lavender	DMX 176-183	B0-B7
	mist blue	DMX 184-191	B8-BF
	pale blue	DMX 192-199	C0-C7
	sky blue	DMX 200-207	C8-CF
	dark blue	DMX 208-215	D0-D7
	peacock blue	DMX 216-223	D8-DF
	lime green	DMX 224-231	E0-E7
	light green	DMX 232-239	E8-EF
	fern green	DMX 240-247	F0-F7
	dark green	DMX 248-255	F8-FF
Channel 11	Cyan 0-100%	DMX 000-255	00-FF
Channel 12	Magenta 0-100%	DMX 000-255	00-FF
Channel 13	Yellow 0-100%	DMX 000-255	00-FF
Channel 14	----	DMX 000-255	00-FF
Channel 15	colour 1 white	DMX 000-003	00-03
	colour 2 white/red	DMX 004-007	04-07
	colour 3 red	DMX 008-011	08-0B
	colour 4 red/yellow	DMX 012-015	0C-0F

	colour no. 5 yellow	DMX 016-019	10-13
	colour no. 6 yellow/magenta	DMX 020-023	14-17
	colour no. 7 magenta	DMX 024-027	18-1B
	colour no. 8 magenta/green	DMX 028-031	1C-1F
	colour no. 9 green	DMX 032-035	20-23
	colour no. 10 green/orange	DMX 036-039	24-27
	colour no. 11 orange	DMX 040-043	28-2B
	colour no. 12 orange/blue	DMX 044-047	2C-2F
	colour no. 13 blue	DMX 048-051	30-33
	colour no. 14 blue/cyan	DMX 052-055	34-37
	colour no. 15 cyan	DMX 056-059	38-3B
	colour no. 16 cyan/white	DMX 060-063	3C-3F
	colour positioning	DMX 064-191	40-BF
	colourwheel rotation clockwise	DMX 192-222	C0-DE
	colourwheel rotation stop	DMX 223-224	DF-E0
	colourwheel rotation anti clockwise	DMX 225-255	E1-FF
Channel 16	pan/tilt moves in realtime	DMX 000-003	00-03
	pan/tilt moves delayed (slow to fast)	DMX 004-255	04-FF
Channel 17	effects in realtime	DMX 000-003	00-03
	effects delayed (slow to fast)	DMX 004-255	04-FF
Channel 18	no function	DMX 000-095	00-5F
	dimmer closes during pan and tilt moves	DMX 096-127	60-7F
	dimmer closes during effects, colour and CMY changes	DMX 128-159	80-9F
	dimmer closes during effects, colour, CMY and zoom changes	DMX 160-191	A0-BF
	dimmer closes during effects, colour, CMY and pan and tilt changes	DMX 192-223	C0-DF
	dimmer closes during effects, colour, CMY, zoom and pan and tilt changes	DMX 224-255	E0-FF

The dimmer fade-time can be adjusted from slow 5sec. to max.