

# FB4 and OSC

FB4 can be controlled through OSC. If you use the right syntax, you will be able to control all FB4's in your network.

## FB4 Address prefix

The FB4 OSC address is based on the serial-number. The OSC address is buildup as follow:

```
/FB4-*serial number*/*command* *value*
```

```
/*serial number*/*command* *value*
```

The address must contain contains 5 digits. So if the FB4 serial is 1234, the address becomes 01234.

If the FB4 serial number is 1234 the actual FB4 OSC address will be:

The following examples shows how you can set the parameter mode on FB4 with serial 2356.

```
/FB4-01234/operation_mode 1
```

```
/01234/operation_mode 2
```

## FB4 OSC Command List

OSC Tag	Minimum	Maximum	Symbol values
operation_mode	1	8	
Master Brightness	0	100	
master_size	20	100	
master_x_size	20	100	
master_y_size	20	100	
master_x_invert	NO	YES	NO = 14006, YES = 14007
master_y_invert	NO	YES	NO = 14006, YES = 14007
master_xy_swap	NO	YES	NO = 14006, YES = 14007
geo_x_size	-100	100	
geo_y_size	-100	100	
geo_x_position	-100	100	
geo_y_position	-100	100	
geo_z_rotation	0	360	
geo_x_keystone	-100	100	
geo_y_keystone	-100	100	

OSC Tag	Minimum	Maximum	Symbol values
geo_x_shear	-100	100	
geo_y_shear	-100	100	
geo_hr_x_size	-32767	32767	
geo_hr_y_size	-32767	32767	
geo_hr_x_position	-32767	32767	
geo_hr_Y_position	-32767	32767	
geo_hr_z_rotation	0	65535	
color_shift	0	7	
color_red	0	100	
color_green	0	100	
color_blue	0	100	
color_darkblue	0	100	
color_yellow	0	100	
color_cyan	0	100	
scanguard_enable	NO	YES	NO = 14006, YES = 14007
scanguard_horizon_level	0	100	
scanguard_horizon_angle	-45	45	
scanguard_minimum_velocity	0	300	
scanguard_dwell_time	1	300	
scanguard_attenuation	SOFT	HARD	SOFT = 14010, HARD = 14011
scanguard_x_invert	NO	YES	NO = 14006, YES = 14007
scanguard_y_invert	NO	YES	NO = 14006, YES = 14007
scanguard_xy_swap	NO	YES	NO = 14006, YES = 14007
dmx_channel	1	512	
dmx_termination	OFF	AUTO	OFF = 14003, ON = 14004, AUTO = 14005
dmx_profile	FB3	FB4	FB3 = 14021, FB4 = 14022
serial_mode	0	3	
dmx_patch_from	1	512	
dmx_patch_to	1	512	
dmx_patch_length	1	512	
artnet_universe	0	999	
artnet_channel	1	512	
dmx_artnet_timeout	0	50	
network_autoip	NO	YES	NO = 14006, YES = 14007
network_ip_address	-2147483648	2147483647	
add1	0	255	
add2	0	255	
add3	0	255	
add4	0	255	
network_subnet_mask	-2147483648	2147483647	
sub1	0	255	

OSC Tag	Minimum	Maximum	Symbol values
sub2	0	255	
sub3	0	255	
sub4	0	255	
autoplay_playback	NONE	LIST	NONE = 14012, CUE = 14013, LIST = 14014
autoplay_file_index	1	999	
autoplay_end_action	STOP	LOOP	STOP = 14016, LOOP = 14017
rtc_year	2000	2099	
rtc_month	1	12	
rtc_day	1	31	
rtc_hour	0	23	
rtc_minutes	0	59	
rtc_seconds	0	59	
timecode_offset_h	0	12	
timecode_offset_m	0	59	
timecode_offset_s	0	59	
timecode_offset_ms	0	999	
timecode_file_index	1	999	
kvant_magic_button	0	1	

From:  
<https://wiki.pangolin.com/> - **Complete Help Docs**

Permanent link:  
[https://wiki.pangolin.com/doku.php?id=hardware:fb4:osc\\_commands&rev=1582655079](https://wiki.pangolin.com/doku.php?id=hardware:fb4:osc_commands&rev=1582655079)

Last update: **2020/06/11 19:21**

