

# 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 listens for OSC commands on port 8000.

## 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.

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

```
/FB4-02356/operation_mode 1
```

```
/02356/operation_mode 2
```

## FB4 OSC Command List

OSC Tag	Minimum	Maximum	Symbol values
operation_mode	1	9	1 = BEYOND & QuickShow, 2 = ILDA, 3 = DMX, 4 = ARTNET, 5 = Autoplay, 6 = Timecode, 7 = Slave mode, 8 = Test mode, 9 = sACN
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=1755716645](https://wiki.pangolin.com/doku.php?id=hardware:fb4:osc_commands&rev=1755716645)

Last update: **2025/08/20 21:04**

