

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*/  
/*serial number*/
```

The address always contains 5 numbers.

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 | |
| geo_x_shear | -100 | 100 | |

| OSC Tag | Minimum | Maximum | Symbol values |
|----------------------------|-------------|------------|---------------------------------------|
| 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 | |
| sub2 | 0 | 255 | |

| OSC Tag | Minimum | Maximum | Symbol values |
|---------------------|---------|---------|---|
| 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 | |

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