

Related TotalMix FX Version: 1.96, 22.07.2024

The OSC functionality in TotalMix was developed in 2014 for communication with "old" TouchOSC in a Mackie-Protocol style. This concept has a mixer-bank style and is freely assignable to large matrix mixers (like TotalMix). Resulting from this is a control-element-orientated addressing with dynamic mapping to certain channels, depending on bank assignment. Bank start, bus selection and submix selection can be controlled by buttons to navigate in the mixer matrix – like with MIDI Mackie Control. Single-channel settings (Page 2 and 4) are addressed by a "single channel offset" to the bank start. Many labels were assigned to match the MultiPush elements of TouchOSC. Later some "none-paged" parameters were attached to allow direct control of submix, bank-start and single-channel-page-offset in the bank. "Page" selection is mainly relevant for parameter re-sending: selecting a new page by sending any parameter containing a new page number triggers a complete re-send of all parameters of the newly selected page by TotalMix.

Table Columns:

Name – string label for OSC-Command, extended by page prefix, e.g. `./1/bank+;`; none paged parameters only `./`, e.g. `./setSubmix`
 Function Type – short description of controlled TotalMix function
 Scale Type Parameter – scaling of received and sent back values (see list below)
 Scale Type Display Value – scaling of an additional label, sent only by TotalMix, with postfix `„Val"`, e.g. `./1/volume1Val` (see list of scale types below)
 Channel – Channel offset for multichannel functions (Page 1)

Scale Types

`kOSCScaleNoSend`, // no value sent by TotalMix FX (e.g. for navigation buttons or if there is no additional Display Value)
`kOSCScaleLin01`, // linear receive/send value, scaled between 0.0 and 1.0 – e.g. 0.000, 0.333, 0.666, 1.000 for 4 types of EQ band characteristics
`kOSCScaleFader`, // receive/send value between 0.0 and 1.0 scaled in fader curve
`kOSCScaleFreq`, // receive/send value between 0.0 and 1.0 scaled in pseudo logarithmic curve for frequency knobs
`kOSCScaleOnOff`, // receive/send value 0.0 or 1.0 for off/on
`kOSCScaleToggle`, // receive value 1.0 toggles TotalMix value; TotalMix re-sends 0.0 or 1.0 for on/off
`kOSCScaleDirect` // receive/send value in 1:1 scale as described in table

`kOSCScalePrintVal`, // send string with value (number) from TotalMix
`kOSCScalePrintdB`, // send string in dB and -oo
`kOSCScalePrintPan`, // send string Pan (e.g. "L5")
`kOSCPrintSelection`, // send string for selection values (e.g. "Bell" for EQ type)

`kOSCScaleString`, // special labels or information strings

Fader Curve calculations

```
float faderPos = receivedValue * 1023.0f;
if(faderPos >= 649.0f) dBValue = faderPos * 0.0320855615f - 26.8235294118f;
else dBValue = (faderPos * faderPos) * (-1.0f/11033.0f) + faderPos * 0.1497326203f - 65.0f;

if(dBValue >= -6.0f) sendValue = ((dBValue + 26.8235294118f) * (1.0f/0.0320855615f)) / 1023.0f;
else sendValue = (826.0f - sqrtf(-34869.0f - 11033.0f * dBValue)) / 1023.0f;
sendValue = minmax(0.0f, sendValue, 1.0f);

sendValue = (log(freqValue) - log(20.0f)) / (log(20000.0f) - log(20.0f));

freqValue = exp(receivedValue * (log(20000.0f) - log(20.0f)) + log(20.0f));
```

New in 1.96

- Room EQ in Page 4
- Mic/Preamp-Gain scaled device and channel dependent (turned off in 1.90 compatibility mode)
- EQ-Band-Type (characteristics) scaled device dependent (turned off in 1.90 compatibility mode)
- Expander-Threshold scaled to range -99.0 to -20.0 (turned off in 1.90 compatibility mode)
- Increment changed for Room Scale (Reverb) to 0.01 and Auto Level Max Gain to 0.5 (turned off in 1.90 compatibility mode)
- checking of certain parameters (e.g. Phantom Power, Instrument) for bus and channel; re-sending 0 if not available
- re-sending 0 for Cue in Input and Playback Bus and for Cue-To channel
- no more cyclic sending of Stop/Play/Record Buttons; Play Button alternating in Pause Mode
- new Record State as text string

TouchOSC specific

- New TouchOSC version has different behaviour of MultiPush fields. This required a changed template (Page 3: Snapshots and Groups as single push buttons).
- Remaining MultiPush fields do not react on receive, while button is still touched. So long touching leads to wrong display state for Cue, Phantom, etc.

Page 1 – Mixer

Name	Function	Scale Type Parameter	Scale Type Display Value	Channel	Remarks
busInput	Select Input Bus data	kOSCScaleToggle	kOSCScaleNoSend		
busPlayback	Select Playback Bus data	kOSCScaleToggle	kOSCScaleNoSend		
busOutput	Select Output Bus data	kOSCScaleToggle	kOSCScaleNoSend		
track+	shift bank start +1	kOSCScaleNoSend	kOSCScaleNoSend		
track-	shift bank start -1	kOSCScaleNoSend	kOSCScaleNoSend		
bank+	Change bank start +bank size	kOSCScaleNoSend	kOSCScaleNoSend		
bank-	Change bank start -bank size	kOSCScaleNoSend	kOSCScaleNoSend		
globalMute	Mute Enable (globally)	kOSCScaleToggle	kOSCScaleNoSend		
globalSolo	Solo Enable (globally)	kOSCScaleToggle	kOSCScaleNoSend		
trim	Trim mode for all channels	kOSCScaleToggle	kOSCScaleNoSend		
mainDim	DIM	kOSCScaleToggle	kOSCScaleNoSend		
mainSpeakerB	Assigne channel for speaker B	kOSCScaleToggle	kOSCScaleNoSend		
speakerBLinked	Speaker B volume linked to main	kOSCScaleToggle	kOSCScaleNoSend		
mainRecall	Recall Main Out Volume	kOSCScaleToggle	kOSCScaleNoSend		
mainMuteFx	Mute FX return on Main Out	kOSCScaleToggle	kOSCScaleNoSend		
mainMono	Mono for Main Out	kOSCScaleToggle	kOSCScaleNoSend		
mainExtIn	Enable Ext-In Path	kOSCScaleToggle	kOSCScaleNoSend		
mainTalkback	Enable Talkback	kOSCScaleToggle	kOSCScaleNoSend		
volume1	Mix-Fader/Output Volume	kOSCScaleFader	kOSCScalePrintdB	0	
volume2	Mix-Fader/Output Volume	kOSCScaleFader	kOSCScalePrintdB	1	
volume3	Mix-Fader/Output Volume	kOSCScaleFader	kOSCScalePrintdB	2	
volume4	Mix-Fader/Output Volume	kOSCScaleFader	kOSCScalePrintdB	3	
volume5	Mix-Fader/Output Volume	kOSCScaleFader	kOSCScalePrintdB	4	
volume6	Mix-Fader/Output Volume	kOSCScaleFader	kOSCScalePrintdB	5	
volume7	Mix-Fader/Output Volume	kOSCScaleFader	kOSCScalePrintdB	6	
volume8	Mix-Fader/Output Volume	kOSCScaleFader	kOSCScalePrintdB	7	
volume9 to volume 24	Mix-Fader/Output Volume	kOSCScaleFader	kOSCScalePrintdB	8-47	available when selected in options
mastervolume	Main Out Volume	kOSCScaleFader	kOSCScalePrintdB	special	
pan1	Mix-Pan/Balance/Output Balance	kOSCScaleLin01	kOSCScaleNoSend	0	
pan2	Mix-Pan/Balance/Output Balance	kOSCScaleLin01	kOSCScaleNoSend	1	
pan3	Mix-Pan/Balance/Output Balance	kOSCScaleLin01	kOSCScaleNoSend	2	
pan4	Mix-Pan/Balance/Output Balance	kOSCScaleLin01	kOSCScaleNoSend	3	
pan5	Mix-Pan/Balance/Output Balance	kOSCScaleLin01	kOSCScaleNoSend	4	
pan6	Mix-Pan/Balance/Output Balance	kOSCScaleLin01	kOSCScaleNoSend	5	
pan7	Mix-Pan/Balance/Output Balance	kOSCScaleLin01	kOSCScaleNoSend	6	
pan8	Mix-Pan/Balance/Output Balance	kOSCScaleLin01	kOSCScaleNoSend	7	
pan9-24	Mix-Pan/Balance/Output Balance	kOSCScaleLin01	kOSCScaleNoSend	8-47	available when selected in options
mute/1/1	Channel Mute	kOSCScaleOnOff	kOSCScaleNoSend	0	Only effective in TotalMix (Monitoring)
mute/1/2	Channel Mute	kOSCScaleOnOff	kOSCScaleNoSend	1	
mute/1/3	Channel Mute	kOSCScaleOnOff	kOSCScaleNoSend	2	
mute/1/4	Channel Mute	kOSCScaleOnOff	kOSCScaleNoSend	3	
mute/1/5	Channel Mute	kOSCScaleOnOff	kOSCScaleNoSend	4	
mute/1/6	Channel Mute	kOSCScaleOnOff	kOSCScaleNoSend	5	
mute/1/7	Channel Mute	kOSCScaleOnOff	kOSCScaleNoSend	6	
mute/1/8	Channel Mute	kOSCScaleOnOff	kOSCScaleNoSend	7	
mute/1/9-24	Channel Mute	kOSCScaleOnOff	kOSCScaleNoSend	8-47	available when selected in options
micgain1	Microphon or digital Input Gain	kOSCScaleLin01	kOSCScalePrintdB	0	Certain Inputs only (device depent)
micgain2	Microphon or digital Input Gain	kOSCScaleLin01	kOSCScalePrintdB	1	Sent to both channels when stereo
micgain3	Microphon or digital Input Gain	kOSCScaleLin01	kOSCScalePrintdB	2	Scale depending on channel and device
micgain4	Microphon or digital Input Gain	kOSCScaleLin01	kOSCScalePrintdB	3	
micgain5	Microphon or digital Input Gain	kOSCScaleLin01	kOSCScalePrintdB	4	
micgain6	Microphon or digital Input Gain	kOSCScaleLin01	kOSCScalePrintdB	5	
micgain7	Microphon or digital Input Gain	kOSCScaleLin01	kOSCScalePrintdB	6	
micgain8	Microphon or digital Input Gain	kOSCScaleLin01	kOSCScalePrintdB	7	
micgain9-micgain24	Microphon or digital Input Gain	kOSCScaleLin01	kOSCScalePrintdB	8-47	available when selected in options
phantom/1/1	Phantom Power	kOSCScaleOnOff	kOSCScaleNoSend	0	Certain Inputs only (device depent)
phantom/1/2	Phantom Power	kOSCScaleOnOff	kOSCScaleNoSend	1	
phantom/1/3	Phantom Power	kOSCScaleOnOff	kOSCScaleNoSend	2	
phantom/1/4	Phantom Power	kOSCScaleOnOff	kOSCScaleNoSend	3	
phantom/1/5	Phantom Power	kOSCScaleOnOff	kOSCScaleNoSend	4	
phantom/1/6	Phantom Power	kOSCScaleOnOff	kOSCScaleNoSend	5	
phantom/1/7	Phantom Power	kOSCScaleOnOff	kOSCScaleNoSend	6	
phantom/1/8	Phantom Power	kOSCScaleOnOff	kOSCScaleNoSend	7	
phantom/1/9-24	Phantom Power	kOSCScaleOnOff	kOSCScaleNoSend	8-47	available when selected in options
solo/1/1	Solo/PFL	kOSCScaleOnOff	kOSCScaleNoSend	0	PFL in PFL-Mode
solo/1/2	Solo/PFL	kOSCScaleOnOff	kOSCScaleNoSend	1	Inputs and Playbacks only
solo/1/3	Solo/PFL	kOSCScaleOnOff	kOSCScaleNoSend	2	
solo/1/4	Solo/PFL	kOSCScaleOnOff	kOSCScaleNoSend	3	
solo/1/5	Solo/PFL	kOSCScaleOnOff	kOSCScaleNoSend	4	
solo/1/6	Solo/PFL	kOSCScaleOnOff	kOSCScaleNoSend	5	
solo/1/7	Solo/PFL	kOSCScaleOnOff	kOSCScaleNoSend	6	
solo/1/8	Solo/PFL	kOSCScaleOnOff	kOSCScaleNoSend	7	
solo/1/9-24	Solo/PFL	kOSCScaleOnOff	kOSCScaleNoSend	8-47	available when selected in options
select/1/1	Selection for ad-hoc fader group	kOSCScaleOnOff	kOSCScaleNoSend	0	
select/1/2	Selection for ad-hoc fader group	kOSCScaleOnOff	kOSCScaleNoSend	1	
select/1/3	Selection for ad-hoc fader group	kOSCScaleOnOff	kOSCScaleNoSend	2	
select/1/4	Selection for ad-hoc fader group	kOSCScaleOnOff	kOSCScaleNoSend	3	
select/1/5	Selection for ad-hoc fader group	kOSCScaleOnOff	kOSCScaleNoSend	4	
select/1/6	Selection for ad-hoc fader group	kOSCScaleOnOff	kOSCScaleNoSend	5	
select/1/7	Selection for ad-hoc fader group	kOSCScaleOnOff	kOSCScaleNoSend	6	

select/1/8	Slection for ad-hoc fader group	kOSCScaleOnOff	kOSCScaleNoSend	7	
select/1/9-24	Slection for ad-hoc fader group	kOSCScaleOnOff	kOSCScaleNoSend	8-47	available when selected in options
cue/1/1	Cue Output	kOSCScaleOnOff	kOSCScaleNoSend	0	Outputs only
cue/1/2	Cue Output	kOSCScaleOnOff	kOSCScaleNoSend	1	Cue on Cue-To-Channel disables Cue
cue/1/3	Cue Output	kOSCScaleOnOff	kOSCScaleNoSend	2	
cue/1/4	Cue Output	kOSCScaleOnOff	kOSCScaleNoSend	3	
cue/1/5	Cue Output	kOSCScaleOnOff	kOSCScaleNoSend	4	
cue/1/6	Cue Output	kOSCScaleOnOff	kOSCScaleNoSend	5	
cue/1/7	Cue Output	kOSCScaleOnOff	kOSCScaleNoSend	6	
cue/1/8	Cue Output	kOSCScaleOnOff	kOSCScaleNoSend	7	
cue/1/9-24	Cue Output	kOSCScaleOnOff	kOSCScaleNoSend	8-47	available when selected in options
labelSubmix	Name of selected Submix	kOSCScaleString	kOSCScaleNoSend	0	
trackname1	Channel Name	kOSCScaleString	kOSCScaleNoSend	0	
trackname2	Channel Name	kOSCScaleString	kOSCScaleNoSend	1	
trackname3	Channel Name	kOSCScaleString	kOSCScaleNoSend	2	
trackname4	Channel Name	kOSCScaleString	kOSCScaleNoSend	3	
trackname5	Channel Name	kOSCScaleString	kOSCScaleNoSend	4	
trackname6	Channel Name	kOSCScaleString	kOSCScaleNoSend	5	
trackname7	Channel Name	kOSCScaleString	kOSCScaleNoSend	6	
trackname8	Channel Name	kOSCScaleString	kOSCScaleNoSend	7	
Trackname9-24	Channel Name	kOSCScaleString	kOSCScaleNoSend	8-47	available when selected in options
level1Left	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	0	Peak Hold can be enabled in TotalMix Settings
level1Right	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	0	Measured on „terminals“ (input pre FX, output post FX)
level2Left	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	1	
level2Right	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	1	
level3Left	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	2	
level3Right	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	2	
level4Left	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	3	
level4Right	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	3	
level5Left	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	4	
level5Right	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	4	
level6Left	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	5	
level6Right	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	5	
level7Left	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	6	
level7Right	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	6	
level8Left	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	7	
level8Right	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	7	
Level9Left-level24Left	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	8-47	available when selected in options
Level9Right-level24Right	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	8-47	available when selected in options

Page 2 – Channel Effects

Name	Function	Scale Type Parameter	Scale Type Display Value	Remarks
busInput	Select Input Bus data	kOSCScaleToggle	kOSCScaleNoSend	
busPlayback	Select Playback Bus data	kOSCScaleToggle	kOSCScaleNoSend	
busOutput	Select Output Bus data	kOSCScaleToggle	kOSCScaleNoSend	
track+	select channel +1	kOSCScaleNoSend	kOSCScaleNoSend	
track-	select channel -1	kOSCScaleNoSend	kOSCScaleNoSend	
volume	Mix-Fader/Output Volume	kOSCScaleFader	kOSCScalePrintdB	
pan	Mix-Pan/Balance/Output Balance	kOSCScaleLin01	kOSCScalePrintPan	
mute	Channel Mute	kOSCScaleToggle	kOSCScaleNoSend	
solo	Solo/PFL	kOSCScaleToggle	kOSCScaleNoSend	PFL in PFL-Mode
phase	Phase Invert Left/Mono	kOSCScaleToggle	kOSCScaleNoSend	
phaseRight	Phase Invert Right	kOSCScaleToggle	kOSCScaleNoSend	
phantom	Phantom Power	kOSCScaleToggle	kOSCScaleNoSend	Certain Inputs only (device dependent)
instrument	Instrument Option	kOSCScaleToggle	kOSCScaleNoSend	Certain Inputs only (device dependent)
pad	Pad Option	kOSCScaleToggle	kOSCScaleNoSend	Certain Inputs only (device dependent)
msProc	Input MS-Processing	kOSCScaleToggle	kOSCScaleNoSend	Only effective in TotalMix (Monitoring)
autoset	AutoSet Gain Option	kOSCScaleToggle	kOSCScaleNoSend	Certain Inputs only (device dependent)
loopback	Enable Loopback	kOSCScaleToggle	kOSCScaleNoSend	Outputs Only
stereo	Set Channel Stereo/Mono	kOSCScaleToggle	kOSCScaleNoSend	
cue	Cue Output	kOSCScaleToggle	kOSCScaleNoSend	Outputs Only
talkbackSel	Include Channel in Talkback	kOSCScaleToggle	kOSCScaleNoSend	Outputs Only
noTrim	Exclude Channel from Trim	kOSCScaleToggle	kOSCScaleNoSend	Outputs Only
gain	Microphone or digital Input Gain	kOSCScaleLin01	kOSCScalePrintVal	Scale depending on channel and device
gainRight	Microphone or digital Input Gain	kOSCScaleLin01	kOSCScalePrintVal	Only way to set right channel different when channel is stereo
refLevel	Analog Reference Value	kOSCScaleDirect	kOSCScalePrintVal	Value 0...3 device and channel dependent
width	Width-Parameter in TotalMix	kOSCScaleLin01	kOSCScalePrintVal	only effective in TotalMix (Monitoring)
reverbSend	Reverb Send	kOSCScaleLin01	kOSCScalePrintdB	Only Inputs and Playbacks
reverbReturn	Reverb Return	kOSCScaleLin01	kOSCScalePrintdB	Outputs Only
recordEnable	Record Enable for Channel	kOSCScaleToggle	kOSCScaleNoSend	
playChannel	Playback-track (in file) for Channel	kOSCScaleDirect	kOSCScalePrintVal	Value 0 for off
lowcutEnable	Low Cut Enable	kOSCScaleToggle	kOSCScaleNoSend	
lowcutGrade	Low Cut Grade	kOSCScaleLin01	kOSCPrintSelection	
lowcutFreq	Low Cut Corner Freq.	kOSCScaleFreq	kOSCScalePrintVal	
eqEnable	Parametric EQ enable	kOSCScaleToggle	kOSCScaleNoSend	
eqType1	Band 1 characteristics	kOSCScaleLin01	kOSCPrintSelection	Device depending Bell, Low Shelf, High-Pass, (Low Pass) scaled 0...1
eqGain1	Band 1 Gain	kOSCScaleLin01	kOSCScalePrintdB	
eqFreq1	Band 1 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
eqQ1	Band 1 Q	kOSCScaleLin01	kOSCScalePrintVal	
eqGain2	Band 2 Gain	kOSCScaleLin01	kOSCScalePrintdB	
eqFreq2	Band 2 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
eqQ2	Band 2 Q	kOSCScaleLin01	kOSCScalePrintVal	
eqType3	Band 3 characteristics	kOSCScaleLin01	kOSCPrintSelection	variants Bell, High Shelf, (Low Pass, High Pass), scaled 0...1
eqGain3	Band 3 Gain	kOSCScaleLin01	kOSCScalePrintdB	
eqFreq3	Band 3 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
eqQ3	Band 3 Q	kOSCScaleLin01	kOSCScalePrintVal	
compexpEnable	Compressor/Expander en.	kOSCScaleToggle	kOSCScaleNoSend	
compexpGain	Make-up-gain	kOSCScaleLin01	kOSCScalePrintdB	
compexpAttack	Compressor Attack Time	kOSCScaleLin01	kOSCScalePrintVal	
compexpRelease	Compressor Release Time	kOSCScaleLin01	kOSCScalePrintVal	
compTrsh	Compressor Threshold	kOSCScaleLin01	kOSCScalePrintdB	
compRatio	Compressor Ratio	kOSCScaleLin01	kOSCScalePrintVal	
expTrsh	Expander Threshold	kOSCScaleLin01	kOSCScalePrintdB	
expRatio	Expander Ratio	kOSCScaleLin01	kOSCScalePrintVal	
alevEnable	Auto Level Enable	kOSCScaleToggle	kOSCScaleNoSend	
alevMaxgain	Auto Level Max. Gain	kOSCScaleLin01	kOSCScalePrintdB	
alevHeadroom	Auto Level Headroom	kOSCScaleLin01	kOSCScalePrintdB	
alevRisetime	Auto Level Rise Speed	kOSCScaleLin01	kOSCScalePrintVal	
trackname	Channel Name	kOSCScaleString	kOSCScaleNoSend	
labelSubmix	Name of selected Submix	kOSCScaleString	kOSCScaleNoSend	
levelLeft	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	Peak Hold can be enabled in TotalMix Settings
levelRight	Level in dB	kOSCScaleLevel	kOSCScalePrintdB	Measured on „terminals“ (input pre FX, output post FX)

Page 3 – Reverb, Echo, Snapshots, Groups

Name	Function	Scale Type Parameter	Scale Type Display Value	Remarks
globalMute	Mute Enable (globally)	kOSCScaleToggle	kOSCScaleNoSend	
globalSolo	Solo Enable (globally)	kOSCScaleToggle	kOSCScaleNoSend	
reverbEnable	Reverb Enable	kOSCScaleToggle	kOSCScaleNoSend	
reverbType	Reverb Type (Room)	kOSCScaleLin01	kOSCPrintSelection	
reverbPredelay	Reverb Pre-Delay	kOSCScaleLin01	kOSCScalePrintVal	
reverbLowcut	Reverb Low Cut	kOSCScaleFreq	kOSCScalePrintVal	
reverbHighcut	Reverb High-Cut	kOSCScaleFreq	kOSCScalePrintVal	
reverbRoomscale	Reverb Room Scale	kOSCScaleLin01	kOSCScalePrintVal	
reverbAttack	Reverb Attack Time	kOSCScaleLin01	kOSCScalePrintVal	only for Envelope types
reverbHold	Reverb Hold Time	kOSCScaleLin01	kOSCScalePrintVal	only for Envelope types
reverbRelease	Reverb Release Time	kOSCScaleLin01	kOSCScalePrintVal	only for Envelope types
reverbTime	Reverb Time	kOSCScaleLin01	kOSCScalePrintVal	only for Space type
reverbHighdamp	Reverb High-Damp	kOSCScaleFreq	kOSCScalePrintVal	only for Space type
reverbSmooth	Smoothness	kOSCScaleLin01	kOSCScalePrintVal	
reverbWidth	Reverb Stereo Width	kOSCScaleLin01	kOSCScalePrintVal	
reverbVolume	Reverb Volume	kOSCScaleLin01	kOSCScalePrintdB	
echoEnable	Echo Enable	kOSCScaleToggle	kOSCScaleNoSend	
echoType	Echo Type Selection	kOSCScaleLin01	kOSCPrintSelection	
echoDelaytime	Echo Delay Time	kOSCScaleLin01	kOSCScalePrintVal	
echoFeedback	Echo Feedback Value	kOSCScaleLin01	kOSCScalePrintVal	
echoWidth	Echo Stereo Width	kOSCScaleLin01	kOSCScalePrintVal	
echoVolume	Echo Volume	kOSCScaleLin01	kOSCScalePrintdB	
undo	Trigger Undo	kOSCScaleNoSend	kOSCScaleNoSend	
redo	Trigger Redo	kOSCScaleNoSend	kOSCScaleNoSend	
snapshots/8/1	Load Snapshot 1	kOSCScaleToggle	kOSCScaleNoSend	
snapshots/7/1	Load Snapshot 2	kOSCScaleToggle	kOSCScaleNoSend	
snapshots/6/1	Load Snapshot 3	kOSCScaleToggle	kOSCScaleNoSend	
snapshots/5/1	Load Snapshot 4	kOSCScaleToggle	kOSCScaleNoSend	
snapshots/4/1	Load Snapshot 5	kOSCScaleToggle	kOSCScaleNoSend	
snapshots/3/1	Load Snapshot 6	kOSCScaleToggle	kOSCScaleNoSend	
snapshots/2/1	Load Snapshot 7	kOSCScaleToggle	kOSCScaleNoSend	
snapshots/1/1	Load Snapshot 8	kOSCScaleToggle	kOSCScaleNoSend	
muteGroups/4/1	Enable Mute Group 1	kOSCScaleToggle	kOSCScaleNoSend	
muteGroups/3/1	Enable Mute Group 2	kOSCScaleToggle	kOSCScaleNoSend	
muteGroups/2/1	Enable Mute Group 3	kOSCScaleToggle	kOSCScaleNoSend	
muteGroups/1/1	Enable Mute Group 4	kOSCScaleToggle	kOSCScaleNoSend	
soloGroups/4/1	Enable Solo Group 1	kOSCScaleToggle	kOSCScaleNoSend	
soloGroups/3/1	Enable Solo Group 2	kOSCScaleToggle	kOSCScaleNoSend	
soloGroups/2/1	Enable Solo Group 3	kOSCScaleToggle	kOSCScaleNoSend	
soloGroups/1/1	Enable Solo Group 4	kOSCScaleToggle	kOSCScaleNoSend	
faderGroups/4/1	Enable Fader Group 1	kOSCScaleToggle	kOSCScaleNoSend	
faderGroups/3/1	Enable Fader Group 2	kOSCScaleToggle	kOSCScaleNoSend	
faderGroups/2/1	Enable Fader Group 3	kOSCScaleToggle	kOSCScaleNoSend	
faderGroups/1/1	Enable Fader Group 4	kOSCScaleToggle	kOSCScaleNoSend	
recordRecordStart	Start Record (DuRec)	kOSCScaleToggle	kOSCScaleNoSend	
recordPlayPause	Play/Pause (DuRec)	kOSCScaleToggle	kOSCScaleNoSend	alternating Value 0/1 send by TotalMix FX when paused
recordStop	Stop Play/Record	kOSCScaleToggle	kOSCScaleNoSend	
recordTime	Current Time (DuRec)	kOSCScaleString	kOSCScaleNoSend	
recordState	Current DuRec State	kOSCScaleString	kOSCScaleNoSend	Strings "Not ready", "Stop", "Record", "Play", "Pause"

Page 4 – Room EQ (Selecting Page 4 selects Output bus)

Name	Function	Scale Type Parameter	Scale Type Display Value	Remarks
track+	select channel +1	kOSCScaleNoSend	kOSCScaleNoSend	
track-	select channel -1	kOSCScaleNoSend	kOSCScaleNoSend	
leftChannel	Selects left channel parameters	kOSCScaleToggle	kOSCScaleNoSend	If leftChannel and rightChannel are activ, parameters are displayed from left channel and sent to both channels
rightChannel	Selects right channel parameters	kOSCScaleToggle	kOSCScaleNoSend	
reqDelay	Delay Value	kOSCScaleLin01	kOSCScalePrintVal	
reqVolumeCorr	Volume Correction	kOSCScaleLin01	kOSCScalePrintVal	
reqEnable	Parametric EQ enable	kOSCScaleToggle	kOSCScaleNoSend	
reqType1	Band 1 characteristics	kOSCScaleLin01	kOSCPrintSelection	variants Bell, Low Shelf, High Pass, Low Pass, scaled 0...1
reqType8	Band 8 characteristics	kOSCScaleLin01	kOSCPrintSelection	variants Bell, High Shelf, Low Pass, High Pass, scaled 0...1
reqType9	Band 9 characteristics	kOSCScaleLin01	kOSCPrintSelection	variants Bell, High Shelf, Low Pass, High Pass, scaled 0...1
reqGain1	Band 1 Gain	kOSCScaleLin01	kOSCScalePrintdB	
reqFreq1	Band 1 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
reqQ1	Band 1 Q	kOSCScaleLin01	kOSCScalePrintVal	
reqGain2	Band 2 Gain	kOSCScaleLin01	kOSCScalePrintdB	
reqFreq2	Band 2 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
reqQ2	Band 2 Q	kOSCScaleLin01	kOSCScalePrintVal	
reqGain3	Band 3 Gain	kOSCScaleLin01	kOSCScalePrintdB	
reqFreq3	Band 3 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
reqQ3	Band 3 Q	kOSCScaleLin01	kOSCScalePrintVal	
reqGain4	Band 4 Gain	kOSCScaleLin01	kOSCScalePrintdB	
reqFreq4	Band 4 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
reqQ4	Band 4 Q	kOSCScaleLin01	kOSCScalePrintVal	
reqGain5	Band 5 Gain	kOSCScaleLin01	kOSCScalePrintdB	
reqFreq5	Band 5 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
reqQ5	Band 5 Q	kOSCScaleLin01	kOSCScalePrintVal	
reqGain6	Band 6 Gain	kOSCScaleLin01	kOSCScalePrintdB	
reqFreq6	Band 6 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
reqQ6	Band 6 Q	kOSCScaleLin01	kOSCScalePrintVal	
reqGain7	Band 7 Gain	kOSCScaleLin01	kOSCScalePrintdB	
reqFreq7	Band 7 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
reqQ7	Band 7 Q	kOSCScaleLin01	kOSCScalePrintVal	
reqGain8	Band 8 Gain	kOSCScaleLin01	kOSCScalePrintdB	
reqFreq8	Band 8 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
reqQ8	Band 8 Q	kOSCScaleLin01	kOSCScalePrintVal	
reqGain9	Band 9 Gain	kOSCScaleLin01	kOSCScalePrintdB	
reqFreq9	Band 9 Freq.	kOSCScaleFreq	kOSCScalePrintVal	
reqQ9	Band 9 Q	kOSCScaleLin01	kOSCScalePrintVal	
trackname	Channel Name	kOSCScaleString	kOSCScaleNoSend	