YAMAHA

DM7 Series
OSC Specifications

Version 1.0.0

OSC (Open Sound Control) is a protocol for transmitting control information of electronic musical instruments / audio equipment, etc. via a network. This protocol can be used to remotely control the DM7 series. This document describes the connection and setup procedure for remote control using this protocol and lists the necessary parameter information.

Table of contents

0. Revision History

Version	Date	Section	Description
V1.0.0	Nov. 1, 2023	-	Initial version

1. Setup

1.1. Connection Procedure

Connect the remote controller to the network terminal of each device as shown below. The device to be controlled is specified by its IP address. Connect DM7 Series to the Network PC terminal (computer connection terminal for external control) via the Network port on the rear panel. Up to four OSC remote controllers can be connected to one DM7 Series console.
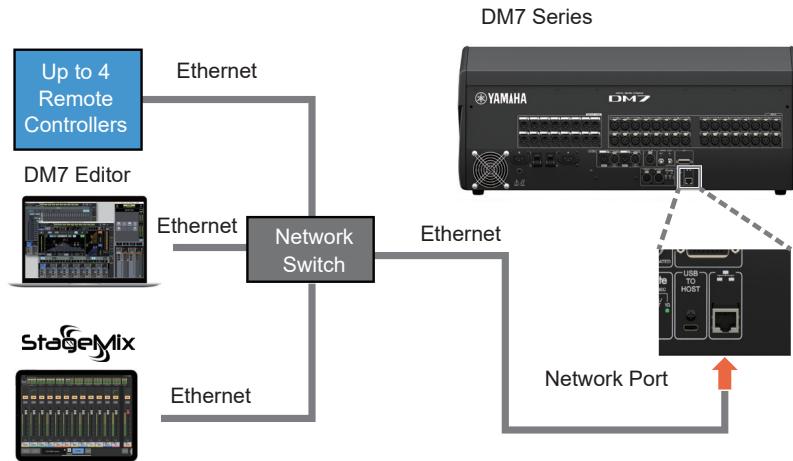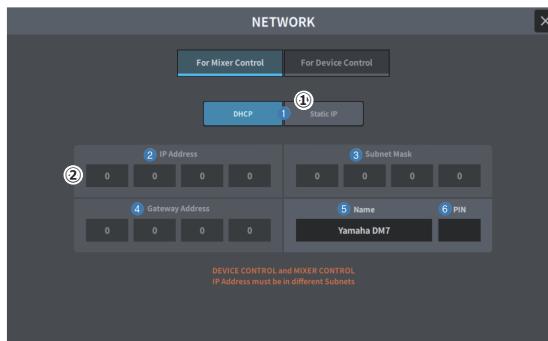
DM7 Series

1.2. DM7 Series Configuration

IP address setting:
Uses the same IP address as Editor and StageMix.
Open the NETWORK window from SETUP in the menubar, and select "For Mixer Control".

1) Select "Static IP".
2) Specify the IP address and subnet mask.

1.3. Configuring the Remote Controller

DM7 series can be controlled from an external device via Ethernet (NETWORK terminal). The settings on the remote controller side for each connection are as follows -
IP Address: Specify the IP address of For Mixer Control of the DM7 Series to be controlled.
IP Port No.: UDP 49900

1.4. Configuration Examples

Below are several example commands set using an OSC Controller, in this case with the QLab application. QLab does not require type tags to be added to the command. A type tag may be required depending on the OSC Controller application, please check this for the OSC controller to be used.

1.4.1. Parameter setting examples

Set the fader level of input channel 1 to -∞

Category	Parameter Description	<Action>	<OSC address>	<X>	X name	<Y> range	Y name	<type tag>	type tag	<value>				comment
										min	max	scaling	unit	
Input Channel	Fader Level	set	MIXER:Current/InCh/Fader/Level	1 - Input Channel Num	Input Channel	1	–	i:	integer	-32768	1000	100	dB	See Table 1

Format: /yosc:req/<Action>/<OSC address>/<X>/<Y> <value>
Command: /yosc:req/set/MIXER:Current/InCh/Fader/Level/1/1 -32768

Set the channel color of MIX channel 1 to pink

Category	Parameter Description	<Action>	<OSC address>	<X>	X name	<Y> range	Y name	<type tag>	type tag	<value>				comment
										min	max	scaling	unit	
Mix Channel	Label Color	set	MIXER:Current/Mix/Label/Color	1 - Mix Channel Num	Mix Channel	1	–	s:	string					See Table 3

Format: /yosc:req/<Action>/<OSC address>/<X>/<Y> <value>
Command: /yosc:req/set/MIXER:Current/Mix/Label/Color/1/1 Pink
* The " " in <Value> is not required in QLab.

1.4.2. Snapshot setting example

Recall SCENE 05

Category	Parameter Description	<Action>	<OSC address>	<type tag>	type tag	<value>		value		comment
						min	max	scaling	unit	
Scene	Recall Scene_A	ssrecall_ex	scene_a	s:, i:	string,integer	0	499	-	-	

Format: /yosc:req/<Action> <OSC address> <value>
Command: /yosc:req/ssrecallt_ex scene_a "5"
* Use "scene_a" when using the DM7 series in the Default mode. When in the Split mode, use "scene_a" for side A side and "scene_b" for side B.

2. Parameter

2.1. Parameter List

Format: /yosc:req/<Action>/<Address>/<X>/<Y> <type tag> <value>

Category	Parameter Description	<Action>	<OSC address>	<X>	X name	<Y>	Y name	<type tag>	type tag	min	max	scaling	unit	Comment
Input Channel	Fader Level	set	MIXER:Current/InCh/Fader/Level	1 - Input Channel Num	Input Channel	1	–	i:	integer	-32768	1000	100	dB	See Table 1
Input Channel	Fader On	set	MIXER:Current/InCh/Fader/On	1 - Input Channel Num	Input Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel	To Stereo Pan	set	MIXER:Current/InCh/ToSt/Pan	1 - Input Channel Num	Input Channel	1	–	i:	integer	-63	63			See Table 2
Input Channel	To Stereo On	set	MIXER:Current/InCh/ToSt/On	1 - Input Channel Num	Input Channel	1 - Stereo Channel Num	Stereo Channel	i:	integer	0	1			0: OFF, 1: ON
Input Channel	HA Port Gain	set	MIXER:Current/InCh/Port/HA/Gain	1 - Input Channel Num	Input Channel	1	–	i:	integer	-600	6600	100	dB	See Table 5
Input Channel	Label Name	set	MIXER:Current/InCh/Label/Name	1 - Input Channel Num	Input Channel	1	–	s:	string					Maximum length: 8 characters.
Input Channel	Label Color	set	MIXER:Current/InCh/Label/Color	1 - Input Channel Num	Input Channel	1	–	s:	string					See Table 3
Input Channel	Label Icon	set	MIXER:Current/InCh/Label/Icon	1 - Input Channel Num	Input Channel	1	–	s:	string					See Table 4
Input Channel	HPF On	set	MIXER:Current/InCh/HPF/On	1 - Input Channel Num	Input Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel	HPF Frequency	set	MIXER:Current/InCh/HPF/Freq	1 - Input Channel Num	Input Channel	1	–	i:	integer	200	200000	10	Hz	
Input Channel	HPF Slope	set	MIXER:Current/InCh/HPF/Slope	1 - Input Channel Num	Input Channel	1	–	i:	integer	6	24		dB/oct	
Input Channel	LPF On	set	MIXER:Current/InCh/LPF/On	1 - Input Channel Num	Input Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel	LPF Frequency	set	MIXER:Current/InCh/LPF/Freq	1 - Input Channel Num	Input Channel	1	–	i:	integer	200	200000	10	Hz	20Hz - 20kHz
Input Channel	LPF Slope	set	MIXER:Current/InCh/LPF/Slope	1 - Input Channel Num	Input Channel	1	–	i:	integer	6	12		dB/oct	
Input Channel	PEQ Bank Select	set	MIXER:Current/InCh/PEQ/BankSelect	1 - Input Channel Num	Input Channel	1	–	i:	integer	0	1			0: Bank A, 1: Bank B
Input Channel	PEQ On	set	MIXER:Current/InCh/PEQ/On	1 - Input Channel Num	Input Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel	PEQ Type	set	MIXER:Current/InCh/PEQ/Type	1 - Input Channel Num	Input Channel	1	–	s:	string					"PRECISE", "AGGRESSIVE", "SMOOTH", "LEGACY"
Input Channel	PEQ Band Bypass	set	MIXER:Current/InCh/PEQ/Band/Bypass	1 - Input Channel Num	Input Channel	1 - PEQ Inch Band Num	PEQ Inch Band	i:	integer	0	1			0: OFF, 1: ON
Input Channel	PEQ Band Frequency	set	MIXER:Current/InCh/PEQ/Band/Freq	1 - Input Channel Num	Input Channel	1 - PEQ Inch Band Num	PEQ Inch Band	i:	integer	200	200000	10		
Input Channel	PEQ Band Gain	set	MIXER:Current/InCh/PEQ/Band/Gain	1 - Input Channel Num	Input Channel	1 - PEQ Inch Band Num	PEQ Inch Band	i:	integer	-180	180	10		
Input Channel	PEQ Band Q	set	MIXER:Current/InCh/PEQ/Band/Q	1 - Input Channel Num	Input Channel	1 - PEQ Inch Band Num	PEQ Inch Band	i:	integer	100	16000	1000		
Input Channel	PEQ High Shelving On	set	MIXER:Current/InCh/PEQ/HighShelving/On	1 - Input Channel Num	Input Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel	PEQ Low Shelving On	set	MIXER:Current/InCh/PEQ/LowShelving/On	1 - Input Channel Num	Input Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel	To Mix Level	set	MIXER:Current/InCh/ToMix/Level	1 - Input Channel Num	Input Channel	1 - Mix Channel Num	Mix Channel	i:	integer	-32768	1000	100	dB	
Input Channel	To Mix On	set	MIXER:Current/InCh/ToMix/On	1 - Input Channel Num	Input Channel	1 - Mix Channel Num	Mix Channel	i:	integer	0	1			0: OFF, 1: ON
Input Channel	To Mix Pan	set	MIXER:Current/InCh/ToMix/Pan	1 - Input Channel Num	Input Channel	1 - Mix Channel Num	Mix Channel	i:	integer	-63	63			See Table 2
Input Channel	To Mix Pre Post	set	MIXER:Current/InCh/ToMix/PrePost	1 - Input Channel Num	Input Channel	1 - Mix Channel Num	Mix Channel	i:	integer	0	1			0: OFF, 1: ON
Input Channel	To Matrix Level	set	MIXER:Current/InCh/ToMtrx/Level	1 - Input Channel Num	Input Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	-32768	1000	100	dB	
Input Channel	To Matrix On	set	MIXER:Current/InCh/ToMtrx/On	1 - Input Channel Num	Input Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	0	1			0: OFF, 1: ON
Input Channel	To Matrix Pan	set	MIXER:Current/InCh/ToMtrx/Pan	1 - Input Channel Num	Input Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	-63	63			See Table 2

Category	Parameter Description	<Action>	<OSC address>	<X>	X name	<Y>	Y name	<type tag>	type tag	min	max	scaling	unit	Comment
Input Channel	To Matrix Pre Post	set	MIXER:Current/InCh/ToMtrx/PrePost	1 - Input Channel Num	Input Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	0	1			0: OFF, 1: ON
Input Channel	DCA Group Assign	set	MIXER:Current/InCh/DCA/Assign	1 - Input Channel Num	Input Channel	1 - DCA Group Num	DCA Group	i:	integer	0	1			0: OFF, 1: ON
Input Channel	Patch Select	set	MIXER:Current/InCh/PatchSelect	1 - Input Channel Num	Input Channel	1	–	i:	integer	0	1			0: A, 1: B
Input Channel	Input Channel Link Assign	set	MIXER:Current/InputChLink/InCh/Assign	1 - Input Channel Num	Input Channel	1	–	i:	integer	0	52			0: NONE, 1: A, … 52: z
Mix Channel	Fader Level	set	MIXER:Current/Mix/Fader/Level	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	-32768	1000	100	dB	See Table 1
Mix Channel	Fader On	set	MIXER:Current/Mix/Fader/On	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	Pan Link	set	MIXER:Current/Mix/PanLink	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	To Stereo Pan	set	MIXER:Current/Mix/ToSt/Pan	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	-63	63			See Table 2
Mix Channel	To Stereo On	set	MIXER:Current/Mix/ToSt/On	1 - Mix Channel Num	Mix Channel	1 - Stereo Channel Num	Stereo Channel	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	Output Balance	set	MIXER:Current/Mix/Out/Balance	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	-63	63			
Mix Channel	Label Name	set	MIXER:Current/Mix/Label/Name	1 - Mix Channel Num	Mix Channel	1	–	s:	string					Maximum length: 8 characters.
Mix Channel	Label Color	set	MIXER:Current/Mix/Label/Color	1 - Mix Channel Num	Mix Channel	1	–	s:	string					See Table 3
Mix Channel	Label Icon	set	MIXER:Current/Mix/Label/Icon	1 - Mix Channel Num	Mix Channel	1	–	s:	string					See Table 4
Mix Channel	HPF On	set	MIXER:Current/Mix/HPF/On	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	HPF Frequency	set	MIXER:Current/Mix/HPF/Freq	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	200	200000	10	Hz	
Mix Channel	HPF Slope	set	MIXER:Current/Mix/HPF/Slope	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	6	24		dB/oct	
Mix Channel	LPF On	set	MIXER:Current/Mix/LPF/On	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	LPF Frequency	set	MIXER:Current/Mix/LPF/Freq	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	200	200000	10	Hz	20Hz - 20kHz
Mix Channel	LPF Slope	set	MIXER:Current/Mix/LPF/Slope	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	6	12		dB/oct	
Mix Channel	PEQ Bank Select	set	MIXER:Current/Mix/PEQ/BankSelect	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	0	1			0: Bank A, 1: Bank B
Mix Channel	PEQ On	set	MIXER:Current/Mix/PEQ/On	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	PEQ Type	set	MIXER:Current/Mix/PEQ/Type	1 - Mix Channel Num	Mix Channel	1	–	s:	string					"PRECISE", "AGGRESSIVE", "SMOOTH", "LEGACY"
Mix Channel	PEQ Band Bypass	set	MIXER:Current/Mix/PEQ/Band/Bypass	1 - Mix Channel Num	Mix Channel	1 - PEQ Mix Band Num	PEQ Mix Band	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	PEQ Band Frequency	set	MIXER:Current/Mix/PEQ/Band/Freq	1 - Mix Channel Num	Mix Channel	1 - PEQ Mix Band Num	PEQ Mix Band	i:	integer	200	200000	10		
Mix Channel	PEQ Band Gain	set	MIXER:Current/Mix/PEQ/Band/Gain	1 - Mix Channel Num	Mix Channel	1 - PEQ Mix Band Num	PEQ Mix Band	i:	integer	-180	180	10		
Mix Channel	PEQ Band Q	set	MIXER:Current/Mix/PEQ/Band/Q	1 - Mix Channel Num	Mix Channel	1 - PEQ Mix Band Num	PEQ Mix Band	i:	integer	100	16000	1000		
Mix Channel	PEQ High Shelving On	set	MIXER:Current/Mix/PEQ/HighShelving/On	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	PEQ Low Shelving On	set	MIXER:Current/Mix/PEQ/LowShelving/On	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	Mix Minus	set	MIXER:Current/Mix/MixMinus/Owner/InputChannel	1 - Mix Channel Num	Mix Channel	1 - Input Channel Num	Input Channel	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	To Matrix Level	set	MIXER:Current/Mix/ToMtrx/Level	1 - Mix Channel Num	Mix Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	-32768	1000	100	dB	
Mix Channel	To Matrix On	set	MIXER:Current/Mix/ToMtrx/On	1 - Mix Channel Num	Mix Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	To Matrix Pan	set	MIXER:Current/Mix/ToMtrx/Pan	1 - Mix Channel Num	Mix Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	-63	63			See Table 2

Category	Parameter Description	\<Action\>	\<OSC address\>	\<X\>	X name	\<Y\>	Y name	\<type tag\>	type tag	\<value\> min	max	value scaling	unit	Comment
Mix Channel	To Matrix Pre Post	set	MIXER:Current/Mix/ToMtrx/PrePost	1 - Mix Channel Num	Mix Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	DCA Group Assign	set	MIXER:Current/Mix/DCA/Assign	1 - Mix Channel Num	Mix Channel	1 - DCA Group Num	DCA Group	i:	integer	0	1			0: OFF, 1: ON
Mix Channel	Output Channel Link Assign	set	MIXER:Current/OutputChLink/Mix/Assign	1 - Mix Channel Num	Mix Channel	1	–	i:	integer	0	52			0: NONE, 1: A, … 52: z
Stereo Channel	Fader Level	set	MIXER:Current/St/Fader/Level	1 - Stereo Channel Num	Stereo Channel	1	–	i:	integer	-32768	1000	100	dB	See Table 1
Stereo Channel	Fader On	set	MIXER:Current/St/Fader/On	1 - Stereo Channel Num	Stereo Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Stereo Channel	Output Balance	set	MIXER:Current/St/Out/Balance	1 - Stereo Channel Num	Stereo Channel	1	–	i:	integer	-63	63			
Stereo Channel	Label Name	set	MIXER:Current/St/Label/Name	1 - Stereo Channel Num	Stereo Channel	1	–	s:	string					Maximum length: 8 characters.
Stereo Channel	Label Color	set	MIXER:Current/St/Label/Color	1 - Stereo Channel Num	Stereo Channel	1	–	s:	string					See Table 3
Stereo Channel	Label Icon	set	MIXER:Current/St/Label/Icon	1 - Stereo Channel Num	Stereo Channel	1	–	s:	string					See Table 4
Stereo Channel	To Matrix Level	set	MIXER:Current/St/ToMtrx/Level	1 - Stereo Channel Num	Stereo Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	-32768	1000	100	dB	
Stereo Channel	To Matrix On	set	MIXER:Current/St/ToMtrx/On	1 - Stereo Channel Num	Stereo Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	0	1			0: OFF, 1: ON
Stereo Channel	To Matrix Pan	set	MIXER:Current/St/ToMtrx/Pan	1 - Stereo Channel Num	Stereo Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	-63	63			See Table 2
Stereo Channel	To Matrix Pre Post	set	MIXER:Current/St/ToMtrx/PrePost	1 - Stereo Channel Num	Stereo Channel	1 - Matrix Channel Num	Matrix Channel	i:	integer	0	1			0: OFF, 1: ON
Stereo Channel	DCA Group Assign	set	MIXER:Current/St/DCA/Assign	1 - Stereo Channel Num	Stereo Channel	1 - DCA Group Num	DCA Group	i:	integer	0	1			0: OFF, 1: ON
Matrix Channel	Fader Level	set	MIXER:Current/Mtrx/Fader/Level	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	-32768	1000	100	dB	See Table 1
Matrix Channel	Fader On	set	MIXER:Current/Mtrx/Fader/On	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Matrix Channel	Label Name	set	MIXER:Current/Mtrx/Label/Name	1 - Matrix Channel Num	Matrix Channel	1	–	s:	string					Maximum length: 8 characters.
Matrix Channel	Label Color	set	MIXER:Current/Mtrx/Label/Color	1 - Matrix Channel Num	Matrix Channel	1	–	s:	string					See Table 3
Matrix Channel	Label Icon	set	MIXER:Current/Mtrx/Label/Icon	1 - Matrix Channel Num	Matrix Channel	1	–	s:	string					See Table 4
Matrix Channel	HPF On	set	MIXER:Current/Mtrx/HPF/On	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Matrix Channel	HPF Frequency	set	MIXER:Current/Mtrx/HPF/Freq	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	200	200000	10	Hz	
Matrix Channel	HPF Slope	set	MIXER:Current/Mtrx/HPF/Slope	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	6	24		dB/oct	
Matrix Channel	LPF On	set	MIXER:Current/Mtrx/LPF/On	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Matrix Channel	LPF Frequency	set	MIXER:Current/Mtrx/LPF/Freq	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	200	200000	10	Hz	20Hz - 20kHz
Matrix Channel	LPF Slope	set	MIXER:Current/Mtrx/LPF/Slope	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	6	12		dB/oct	
Matrix Channel	PEQ Bank Select	set	MIXER:Current/Mtrx/PEQ/BankSelect	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	0	1			0: Bank A, 1: Bank B
Matrix Channel	PEQ On	set	MIXER:Current/Mtrx/PEQ/On	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON

Category	Parameter Description	\<Action\>	\<OSC address\>	\<X\>	X name	\<Y\>	Y name	\<type tag\>	type tag	\<value\> min	max	scaling	unit	Comment
Matrix Channel	PEQ Type	set	MIXER:Current/Mtrx/PEQ/Type	1 - Matrix Channel Num	Matrix Channel	1	–	s:	string					"PRECISE", "AGGRESSIVE", "SMOOTH", "LEGACY"
Matrix Channel	PEQ Band Bypass	set	MIXER:Current/Mtrx/PEQ/Band/Bypass	1 - Matrix Channel Num	Matrix Channel	1 - PEQ Matrix Band Num	PEQ Matrix Band	i:	integer	0	1			0: OFF, 1: ON
Matrix Channel	PEQ Band Frequency	set	MIXER:Current/Mtrx/PEQ/Band/Freq	1 - Matrix Channel Num	Matrix Channel	1 - PEQ Matrix Band Num	PEQ Matrix Band	i:	integer	200	200000	10		
Matrix Channel	PEQ Band Gain	set	MIXER:Current/Mtrx/PEQ/Band/Gain	1 - Matrix Channel Num	Matrix Channel	1 - PEQ Matrix Band Num	PEQ Matrix Band	i:	integer	-180	180	10		
Matrix Channel	PEQ Band Q	set	MIXER:Current/Mtrx/PEQ/Band/Q	1 - Matrix Channel Num	Matrix Channel	1 - PEQ Matrix Band Num	PEQ Matrix Band	i:	integer	100	16000	1000		
Matrix Channel	PEQ High Shelving On	set	MIXER:Current/Mtrx/PEQ/HighShelving/On	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Matrix Channel	PEQ Low Shelving On	set	MIXER:Current/Mtrx/PEQ/LowShelving/On	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Matrix Channel	Pan Link	set	MIXER:Current/Mtrx/PanLink	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	0	1			0: OFF, 1: ON
Matrix Channel	Output Balance	set	MIXER:Current/Mtrx/Out/Balance	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	-63	63			
Matrix Channel	DCA Group Assign	set	MIXER:Current/Mtrx/DCA/Assign	1 - Matrix Channel Num	Matrix Channel	1 - DCA Group Num	DCA Group	i:	integer	0	1			0: OFF, 1: ON
Matrix Channel	Output Channel Link Assign	set	MIXER:Current/OutputChLink/Mtrx/Assign	1 - Matrix Channel Num	Matrix Channel	1	–	i:	integer	0	52			0: NONE, 1: A, … 52: z
DCA Group	Fader Level	set	MIXER:Current/DCA/Fader/Level	1 - DCA Group Num	DCA Group	1	–	i:	integer	-32768	1000	100	dB	See Table 1
DCA Group	Fader On	set	MIXER:Current/DCA/Fader/On	1 - DCA Group Num	DCA Group	1	–	i:	integer	0	1			0: OFF, 1: ON
DCA Group	Label Name	set	MIXER:Current/DCA/Label/Name	1 - DCA Group Num	DCA Group	1	–	s:	string					Maximum length: 8 characters.
DCA Group	Label Color	set	MIXER:Current/DCA/Label/Color	1 - DCA Group Num	DCA Group	1	–	s:	string					See Table 3
DCA Group	Label Icon	set	MIXER:Current/DCA/Label/Icon	1 - DCA Group Num	DCA Group	1	–	s:	string					See Table 4
Mute Group Control	On	set	MIXER:Current/MuteGrpCtrl/On	1 - Mute Group Num	Mute Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Mute Group Control	Label Name	set	MIXER:Current/MuteGrpCtrl/Label/Name	1 - Mute Group Num	Mute Group	1	–	s:	string					Maximum length: 8 characters.
Input Channel Link	Link Param EQ	set	MIXER:Current/InputChLink/LinkParams/EQ	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Insert	set	MIXER:Current/InputChLink/LinkParams/Insert	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Fader	set	MIXER:Current/InputChLink/LinkParams/Fader	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Channel On	set	MIXER:Current/InputChLink/LinkParams/ChOn	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param To Stereo	set	MIXER:Current/InputChLink/LinkParams/ToSt	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param DCA	set	MIXER:Current/InputChLink/LinkParams/DCA	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Mute	set	MIXER:Current/InputChLink/LinkParams/Mute	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Matrix Send	set	MIXER:Current/InputChLink/LinkParams/MtrxSend	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Matrix Send On	set	MIXER:Current/InputChLink/LinkParams/MtrxSendOn	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON

Category	Parameter Description	<Action>	<OSC address>	<X>	X name	<Y>	Y name	<type tag>	type tag	<value> min	<value> max	value scaling	value unit	Comment
Input Channel Link	Link Param HA	set	MIXER:Current/InputChLink/LinkParams/HA	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param HPF	set	MIXER:Current/InputChLink/LinkParams/HPF	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Digital Gain	set	MIXER:Current/InputChLink/LinkParams/DigitalGain	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Direct Out	set	MIXER:Current/InputChLink/LinkParams/DirectOut	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Mix Send	set	MIXER:Current/InputChLink/LinkParams/MixSend	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Mix Send On	set	MIXER:Current/InputChLink/LinkParams/MixSendOn	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Delay	set	MIXER:Current/InputChLink/LinkParams/Delay	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Dynamics1	set	MIXER:Current/InputChLink/LinkParams/Dyna1	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param Dynamics2	set	MIXER:Current/InputChLink/LinkParams/Dyna2	1 - Input Channel Link Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param To Mix	set	MIXER:Current/InputChLink/SendParams/ToMix	1 - Input Channel Link Num	Link Group	1 - Mix Channel Num	Mix Channel	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Param To Matrix	set	MIXER:Current/InputChLink/SendParams/ToMtrx	1 - Input Channel Link Num	Link Group	1 - Matrix Channel Num	Matrix Channel	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param EQ	set	MIXER:Current/OutputChLink/LinkParams/EQ	1 - Output Channel Link Group Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param Insert	set	MIXER:Current/OutputChLink/LinkParams/Insert	1 - Output Channel Link Group Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param Fader	set	MIXER:Current/OutputChLink/LinkParams/Fader	1 - Output Channel Link Group Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param Channel On	set	MIXER:Current/OutputChLink/LinkParams/ChOn	1 - Output Channel Link Group Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param To Stereo	set	MIXER:Current/OutputChLink/LinkParams/ToSt	1 - Output Channel Link Group Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param DCA	set	MIXER:Current/OutputChLink/LinkParams/DCA	1 - Output Channel Link Group Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param Mute	set	MIXER:Current/OutputChLink/LinkParams/Mute	1 - Output Channel Link Group Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param Matrix Send	set	MIXER:Current/OutputChLink/LinkParams/MtrxSend	1 - Output Channel Link Group Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param Matrix Send On	set	MIXER:Current/OutputChLink/LinkParams/MtrxSendOn	1 - Output Channel Link Group Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param Dynamics1	set	MIXER:Current/OutputChLink/LinkParams/Dyna1	1 - Output Channel Link Group Num	Link Group	1	–	i:	integer	0	1			0: OFF, 1: ON
Output Channel Link	Link Param To Matrix	set	MIXER:Current/OutputChLink/SendParams/ToMtrx	1 - Output Channel Link Group Num	Link Group	1 - Matrix Channel Num	Matrix Channel	i:	integer	0	1			0: OFF, 1: ON

Snapshot

Format: /yosc:req/<Action> <type tag> <OSC address> <value>

Category	Parameter Description	<Action>	<OSC address>	<type tag>	type tag	<value>		value		comment
						min	max	scaling	unit	
Scene	Recall Scene_A	ssrecall_ex	scene_a	s:, i:	string,integer	0	499			
Scene	Get Current Scene_A Number	sscurrent_ex	scene_a	s:	string					
Scene	Recall Scene_B	ssrecall_ex	scene_b	s:, i:	string,integer	0	499			split mode only.
Scene	Get Current Scene_B Number	sscurrent_ex	scene_b	s:	string					split mode only.
Scene	Recall Scene_A	ssrecallt_ex	scene_a	s:, s:,	string,string	0	499			
Scene	Get Current Scene_A Number	sscurrentt_ex	scene_a	s:	string					
Scene	Recall Scene_B	ssrecallt_ex	scene_b	s:, s:,	string,string	0	499			split mode only.
Scene	Get Current Scene_B Number	sscurrentt_ex	scene_b	s:	string					split mode only.

Event

Format: yosc:req/event <type tag> <OSC address>

Category	Parameter Description	<OSC address>	<type tag>	type tag	comment
Scene	Inc Recall Current Scene List	MIXER:Lib/Scene/RecallInc scene_a	s:, s:	string,string	
Scene	Dec Recall Current Scene List	MIXER:Lib/Scene/RecallDec scene_a	s:, s:	string,string	
Scene	Inc Recall Current Scene List	MIXER:Lib/Scene/RecallInc scene_b	s:, s:	string,string	split mode only.
Scene	Dec Recall Current Scene List	MIXER:Lib/Scene/RecallDec scene_b	s:, s:	string,string	split mode only.

2.2. Parameter Value Detail

Table 1 Fader Level					
Table No.	Parameter Value	Parameter String	Table No.	Parameter Value	Parameter String
0	-32768	"-∞"	22	-1000	"-10.00"
1	-13800	"-138.0"	23	-900	"-9.00"
2	-12000	"-120.0"	24	-800	"-8.00"
3	-10500	"-105.0"	25	-700	"-7.00"
4	-9000	"-90.00"	26	-600	"-6.00"
5	-7000	"-70.00"	27	-500	"-5.00"
6	-6000	"-60.00"	28	-400	"-4.00"
7	-5500	"-55.00"	29	-300	"-3.00"
8	-5000	"-50.00"	30	-200	"-2.00"
9	-4500	"-45.00"	31	-100	"-1.00"
10	-4000	"-40.00"	32	0	"0.00"
11	-3500	"-35.00"	33	100	"1.00"
12	-3000	"-30.00"	34	200	"2.00"
13	-2800	"-28.00"	35	300	"3.00"
14	-2600	"-26.00"	36	400	"4.00"
15	-2400	"-24.00"	37	500	"5.00"
16	-2200	"-22.00"	38	600	"6.00"
17	-2000	"-20.00"	39	700	"7.00"
18	-1800	"-18.00"	40	800	"8.00"
19	-1600	"-16.00"	41	900	"9.00"
20	-1400	"-14.00"	42	1000	"10.00"
21	-1200	"-12.00"			

Table 2 Pan/Balance		
Table No.	Parameter Value	Parameter String
0	-63	"L63"
1	-60	"L60"
2	-55	"L55"
3	-50	"L50"
4	-45	"L45"
5	-40	"L40"
6	-35	"L35"
7	-30	"L30"
8	-25	"L25"
9	-20	"L20"
10	-15	"L15"
11	-10	"L10"
12	-5	"L5"
13	0	"C"
14	5	"R5"
15	10	"R10"
16	15	"R15"
17	20	"R20"
18	25	"R25"
19	30	"R30"
20	35	"R35"
21	40	"R40"
22	45	"R45"
23	50	"R50"
24	55	"R55"
25	60	"R60"
26	63	"R63"

Table 3 Channel Color
"Blue"
"Green"
"Orange"
"Pink"
"Purple"
"Red"
"SkyBlue"
"Yellow"
"Cyan"
"Magenta"
"Off"

Table 4 Channel Icon		
"Kick"	"Strings"	"Monitor"
"Snare"	"Piano"	"Effect"
"Hi-Hat"	"Organ"	"Processor"
"TomTom"	"Keyboard"	"Media1"
"FloorTom"	"Male"	"Media2"
"Cymbal"	"Female"	"Media3"
"Drumkit"	"Choir"	"Video"
"Perc."	"DynamicMic"	"Mixer"
"Mallets"	"CondenserMic"	"PC"
"A.Bass"	"InstMic"	"Audience"
"E.Bass"	"WirelessMic"	"ArrowLeft"
"BassAmp"	"Headset"	"ArrowRight"
"A.Guitar"	"SpeechMic"	"Exclamation"
"E.Guitar"	"DirectBox"	"Smile"
"GuitarAmp"	"Foh"	"Money"
"Trumpet"	"Speaker"	"Star1"
"Trombone"	"SubWoofer"	"Star2"
"Saxophone"	"Wedge"	"Blank"
"Flute"	"In-Ear"	

Table 5 HA Gain					
Table No.	Parameter Value	Parameter String	Table No.	Parameter Value	Parameter String
0	-600	"-6"	37	3100	"+31"
1	-500	"-5"	38	3200	"+32"
2	-400	"-4"	39	3300	"+33"
3	-300	"-3"	40	3400	"+34"
4	-200	"-2"	41	3500	"+35"
5	-100	"-1"	42	3600	"+36"
6	0	"0"	43	3700	"+37"
7	100	"+1"	44	3800	"+38"
8	200	"+2"	45	3900	"+39"
9	300	"+3"	46	4000	"+40"
10	400	"+4"	47	4100	"+41"
11	500	"+5"	48	4200	"+42"
12	600	"+6"	49	4300	"+43"
13	700	"+7"	50	4400	"+44"
14	800	"+8"	51	4500	"+45"
15	900	"+9"	52	4600	"+46"
16	1000	"+10"	53	4700	"+47"
17	1100	"+11"	54	4800	"+48"
18	1200	"+12"	55	4900	"+49"
19	1300	"+13"	56	5000	"+50"
20	1400	"+14"	57	5100	"+51"
21	1500	"+15"	58	5200	"+52"
22	1600	"+16"	59	5300	"+53"
23	1700	"+17"	60	5400	"+54"
24	1800	"+18"	61	5500	"+55"
25	1900	"+19"	62	5600	"+56"
26	2000	"+20"	63	5700	"+57"
27	2100	"+21"	64	5800	"+58"
28	2200	"+22"	65	5900	"+59"
29	2300	"+23"	66	6000	"+60"
30	2400	"+24"	67	6100	"+61"
31	2500	"+25"	68	6200	"+62"
32	2600	"+26"	69	6300	"+63"
33	2700	"+27"	70	6400	"+64"
34	2800	"+28"	71	6500	"+65"
35	2900	"+29"	72	6600	"+66"
36	3000	"+30"			

Table 6 Link Group
1: A
...
26: Z
27: a
...
52: z

DM7/DM7 Compact	Max Channel Numbers
Input Channel	DM7: 120 DM7 Compact: 72
Stereo Input Channel	0
Fx Return Channel	0
Mix Channel	48
Stereo Channel	4
Matrix Channel	12
Fx Channel	0
Mute Group	12
Input Channel Link	53
Input Channel Link Group	52
Local Input	16
Stereo Bus	2
DCA Group	24
Output Channel Link	53
Output Channel Link Group	52
PEQ Inch Band	4
PEQ Mix Band	8
PEQ Matrix Band	8
Split Side	2
Prmnum Result	153