YAMAHA

DM3 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 DM3 series. This document describes the connection and setup procedure for remote control using this protocol and lists the necessary parameter information.

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0. Revision History

Version	Date	Section	Description
V1.0.0	May 9, 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 DM3 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 DM3 Series console.
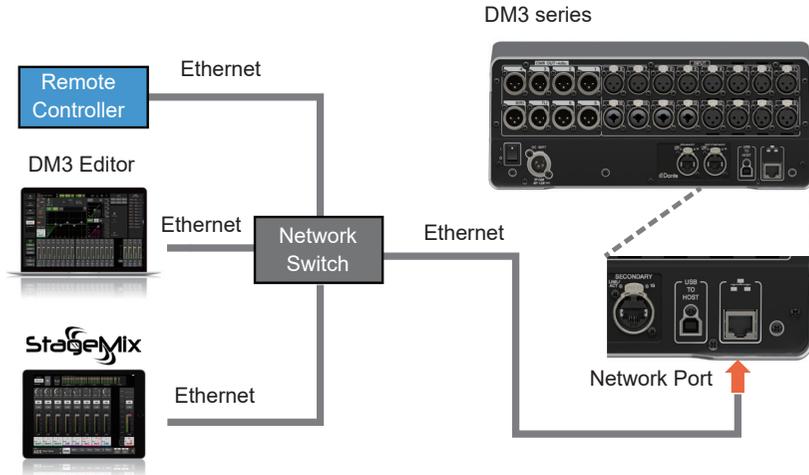
DM3 series

1.2. DM3 Series Configuration

IP address setting:
Uses the same IP address as StageMix and MonitorMix.
Open the NETWORK window from SETUP in the toolbar, and select "For Mixer Control".
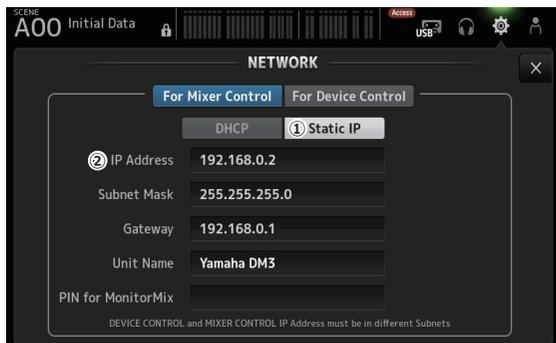
1) Select "Static IP".
2) Specify the IP address and subnet mask.

1.3. Configuring the Remote Controller

DM3 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 DM3 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\>		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\>		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
Remark: The " " in \<Value\> is not required in Qlab.

1.4.2. Snapshot setting example

Recall SCENE A05

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	99			

Format: /yosc:req/\<Action\> \<OSC address\> \<value\>
Command: /yosc:req/ssrecall_ex "scene_a" 5

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	<value> min	<value> max	value scaling	value 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 Bus Num	Stereo Channel	i:	integer	0	1			0: OFF, 1: ON
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	Label Category	set	MIXER:Current/InCh/Label/Category	1 - Input Channel Num	Input Channel	1	—	s:	string	See Table 5				
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	See Table 1
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 FX Level	set	MIXER:Current/InCh/ToFx/Level	1 - Input Channel Num	Input Channel	1 - Fx Channel Num	FX Channel	i:	integer	-32768	1000	100	dB	See Table 1
Input Channel	To FX On	set	MIXER:Current/InCh/ToFx/On	1 - Input Channel Num	Input Channel	1 - Fx Channel Num	FX Channel	i:	integer	0	1			0: OFF, 1: ON
Input Channel	To FX Pre Post	set	MIXER:Current/InCh/ToFx/PrePost	1 - Input Channel Num	Input Channel	1 - Fx Channel Num	FX 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	See Table 1
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
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	Input Channel Link Assign	set	MIXER:Current/InputChLink/InCh/Assign	1 - Input Channel Num	Input Channel	1	—	i:	integer	0	9			0: NONE, 1: A … 9: I
Stereo Input Channel	Fader Level	set	MIXER:Current/StInCh/Fader/Level	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	-32768	1000	100	dB	See Table 1
Stereo Input Channel	Fader On	set	MIXER:Current/StInCh/Fader/On	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
Stereo Input Channel	To Stereo Pan	set	MIXER:Current/StInCh/ToSt/Pan	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	-63	63			See Table 2
Stereo Input Channel	To Stereo On	set	MIXER:Current/StInCh/ToSt/On	1 - Stereo Input Channel Num	Stereo Input Channel	1 - Stereo Bus Num	Stereo Channel	i:	integer	0	1			0: OFF, 1: ON
Stereo Input Channel	Label Name	set	MIXER:Current/StInCh/Label/Name	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	s:	string					Maximum length: 8 characters.
Stereo Input Channel	Label Color	set	MIXER:Current/StInCh/Label/Color	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	s:	string	See Table 3				
Stereo Input Channel	Label Icon	set	MIXER:Current/StInCh/Label/Icon	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	s:	string	See Table 4				
Stereo Input Channel	Label Category	set	MIXER:Current/StInCh/Label/Category	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	s:	string	See Table 5				
Stereo Input Channel	To Mix Level	set	MIXER:Current/StInCh/ToMix/Level	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	-32768	1000	100	dB	See Table 1

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
Stereo Input Channel	To Mix On	set	MIXER:Current/StInCh/ToMix/On	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
Stereo Input Channel	To Mix Pan	set	MIXER:Current/StInCh/ToMix/Pan	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	-63	63			See Table 2
Stereo Input Channel	To Mix Pre Post	set	MIXER:Current/StInCh/ToMix/PrePost	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
Stereo Input Channel	To FX Level	set	MIXER:Current/StInCh/ToFx/Level	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	-32768	1000	100	dB	See Table 1
Stereo Input Channel	To FX On	set	MIXER:Current/StInCh/ToFx/On	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
Stereo Input Channel	To FX Pre Post	set	MIXER:Current/StInCh/ToFx/PrePost	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
Stereo Input Channel	To Matrix Level	set	MIXER:Current/StInCh/ToMtrx/Level	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	-32768	1000	100	dB	See Table 1
Stereo Input Channel	To Matrix On	set	MIXER:Current/StInCh/ToMtrx/On	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
Stereo Input Channel	To Matrix Pan	set	MIXER:Current/StInCh/ToMtrx/Pan	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	-63	63			See Table 2
Stereo Input Channel	To Matrix Pre Post	set	MIXER:Current/StInCh/ToMtrx/PrePost	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
Stereo Input Channel	Input Channel Link Assign	set	MIXER:Current/InputChLink/StInCh/Assign	1 - Stereo Input Channel Num	Stereo Input Channel	1	—	i:	integer	0	9			0: NONE, 1: A … 9: I
FX Return Channel	Fader Level	set	MIXER:Current/FxRtnCh/Fader/Level	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	-32768	1000	100	dB	See Table 1
FX Return Channel	Fader On	set	MIXER:Current/FxRtnCh/Fader/On	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
FX Return Channel	To Stereo Pan	set	MIXER:Current/FxRtnCh/ToSt/Pan	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	-63	63			See Table 2
FX Return Channel	To Stereo On	set	MIXER:Current/FxRtnCh/ToSt/On	1 - Fx Return Channel Num	FX Return Channel	1 - Stereo Bus Num	Stereo Channel	i:	integer	0	1			0: OFF, 1: ON
FX Return Channel	Label Name	set	MIXER:Current/FxRtnCh/Label/Name	1 - Fx Return Channel Num	FX Return Channel	1	—	s:	string					Maximum length: 8 characters.
FX Return Channel	Label Color	set	MIXER:Current/FxRtnCh/Label/Color	1 - Fx Return Channel Num	FX Return Channel	1	—	s:	string	See Table 3				
FX Return Channel	Label Icon	set	MIXER:Current/FxRtnCh/Label/Icon	1 - Fx Return Channel Num	FX Return Channel	1	—	s:	string	See Table 4				
FX RTN Channel	Label Category	set	MIXER:Current/FxRtnCh/Label/Category	1 - Fx Return Channel Num	FX Return Channel	1	—	s:	string					"FX RTN"
FX Return Channel	To Mix Level	set	MIXER:Current/FxRtnCh/ToMix/Level	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	-32768	1000	100	dB	See Table 1
FX Return Channel	To Mix On	set	MIXER:Current/FxRtnCh/ToMix/On	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
FX Return Channel	To Mix Pan	set	MIXER:Current/FxRtnCh/ToMix/Pan	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	-63	63			See Table 2
FX Return Channel	To Mix Pre Post	set	MIXER:Current/FxRtnCh/ToMix/PrePost	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
FX Return Channel	To FX Level	set	MIXER:Current/FxRtnCh/ToFx/Level	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	-32768	1000	100	dB	See Table 1
FX Return Channel	To FX On	set	MIXER:Current/FxRtnCh/ToFx/On	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
FX Return Channel	To FX Pre Post	set	MIXER:Current/FxRtnCh/ToFx/PrePost	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
FX Return Channel	To Matrix Level	set	MIXER:Current/FxRtnCh/ToMtrx/Level	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	-32768	1000	100	dB	See Table 1

Category	Parameter Description	\<Action\>	\<OSC address\>	\<X\>	X name	\<Y\>	Y name	\<type tag\>	type tag	\<value\> min	max	value scaling	unit	Comment
FX Return Channel	To Matrix On	set	MIXER:Current/FxRtnCh/ToMtrx/On	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
FX Return Channel	To Matrix Pan	set	MIXER:Current/FxRtnCh/ToMtrx/Pan	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	-63	63			See Table 2
FX Return Channel	To Matrix Pre Post	set	MIXER:Current/FxRtnCh/ToMtrx/PrePost	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
FX Return Channel	Input Channel Link Assign	set	MIXER:Current/InputChLink/FxRtnCh/Assign	1 - Fx Return Channel Num	FX Return Channel	1	—	i:	integer	0	9			0: NONE, 1: A … 9: I
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 Bus 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			See Table 2
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	Label Category	set	MIXER:Current/Mix/Label/Category	1 - Mix Channel Num	Mix Channel	1	—	s:	string	See Table 6				
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	See Table 1
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
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
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			See Table 2
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	Label Category	set	MIXER:Current/St/Label/Category	1 - Stereo Channel Num	Stereo Channel	1	—	s:	string	See Table 6				
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	See Table 1
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

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
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	Label Category	set	MIXER:Current/Mtrx/Label/Category	1 - Matrix Channel Num	Matrix Channel	1	—	s:	string	See Table 6				
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			See Table 2
FX Channel	Fader Level	set	MIXER:Current/Fx/Fader/Level	1 - Fx Channel Num	FX Channel	1	—	i:	integer	-32768	1000	100	dB	See Table 1
FX Channel	Fader On	set	MIXER:Current/Fx/Fader/On	1 - Fx Channel Num	FX Channel	1	—	i:	integer	0	1			0: OFF, 1: ON
FX Channel	Label Name	set	MIXER:Current/Fx/Label/Name	1 - Fx Channel Num	FX Channel	1	—	s:	string					Maximum length: 8 characters.
FX Channel	Label Color	set	MIXER:Current/Fx/Label/Color	1 - Fx Channel Num	FX Channel	1	—	s:	string	See Table 3				
FX Channel	Label Icon	set	MIXER:Current/Fx/Label/Icon	1 - Fx Channel Num	FX Channel	1	—	s:	string	See Table 4				
FX Channel	Label Category	set	MIXER:Current/Fx/Label/Category	1 - Fx Channel Num	FX Channel	1	—	s:	string	See Table 6				
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 Parameter EQ	set	MIXER:Current/InputChLink/LinkParams/EQ	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Fader	set	MIXER:Current/InputChLink/LinkParams/Fader	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Channel On	set	MIXER:Current/InputChLink/LinkParams/ChOn	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter To Stereo	set	MIXER:Current/InputChLink/LinkParams/ToSt	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Mute	set	MIXER:Current/InputChLink/LinkParams/Mute	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Matrix Send	set	MIXER:Current/InputChLink/LinkParams/MtrxSend	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Matrix Send On	set	MIXER:Current/InputChLink/LinkParams/MtrxSendOn	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter FX Send	set	MIXER:Current/InputChLink/LinkParams/FxSend	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter FX Send On	set	MIXER:Current/InputChLink/LinkParams/FxSendOn	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter HA	set	MIXER:Current/InputChLink/LinkParams/HA	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter HPF	set	MIXER:Current/InputChLink/LinkParams/HPF	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Digital Gain	set	MIXER:Current/InputChLink/LinkParams/DigitalGain	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Mix Send	set	MIXER:Current/InputChLink/LinkParams/MixSend	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Mix Send On	set	MIXER:Current/InputChLink/LinkParams/MixSendOn	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Delay	set	MIXER:Current/InputChLink/LinkParams/Delay	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Dynamics1	set	MIXER:Current/InputChLink/LinkParams/Dyna1	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter Dynamics2	set	MIXER:Current/InputChLink/LinkParams/Dyna2	1 - 9	Link Group	1	—	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter To Mix	set	MIXER:Current/InputChLink/SendParams/ToMix	1 - 9	Link Group	1 - Mix Channel Num	Mix Channel	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 Parameter To Matrix	set	MIXER:Current/InputChLink/SendParams/ToMtrx	1 - 9	Link Group	1 - Matrix Channel Num	Matrix Channel	i:	integer	0	1			0: OFF, 1: ON
Input Channel Link	Link Parameter To Fx	set	MIXER:Current/InputChLink/SendParams/ToFx	1 - 9	Link Group	1 - Fx Channel Num	FX Channel	i:	integer	0	1			0: OFF, 1: ON
Local I/O Control	Local Input HA Gain	set	IO:Current/InCh/HAGain	1 - Local Input Num	Input Channel	1	—	i:	integer	0	64		dB	See Table 7
Local I/O Control	Local Input 48V On	set	IO:Current/InCh/48VOn	1 - Local Input Num	Input Channel	1	—	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> min	<value> max	value scaling	value unit	comment
Scene	Recall Scene_A	ssrecall_ex	scene_a	s:, i:	string,integer	0	99			
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	99			
Scene	Get Current Scene_B Number	sscurrent_ex	scene_b	s:	string					

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 5 Channel Category (Input)
"----"
"Vocal"
"Drums"
"Guitars"
"Keys"
"Horns"
"Strings"
"Spoken"
"FX RTN"
"Others"

Table 6 Channel Category (Output)
"----"
"FX"
"Output"
"Others"

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 7 HA Gain					
Table No.	Parameter Value	Parameter String	Table No.	Parameter Value	Parameter String
0	0	"0"	33	33	"+33"
1	1	"+1"	34	34	"+34"
2	2	"+2"	35	35	"+35"
3	3	"+3"	36	36	"+36"
4	4	"+4"	37	37	"+37"
5	5	"+5"	38	38	"+38"
6	6	"+6"	39	39	"+39"
7	7	"+7"	40	40	"+40"
8	8	"+8"	41	41	"+41"
9	9	"+9"	42	42	"+42"
10	10	"+10"	43	43	"+43"
11	11	"+11"	44	44	"+44"
12	12	"+12"	45	45	"+45"
13	13	"+13"	46	46	"+46"
14	14	"+14"	47	47	"+47"
15	15	"+15"	48	48	"+48"
16	16	"+16"	49	49	"+49"
17	17	"+17"	50	50	"+50"
18	18	"+18"	51	51	"+51"
19	19	"+19"	52	52	"+52"
20	20	"+20"	53	53	"+53"
21	21	"+21"	54	54	"+54"
22	22	"+22"	55	55	"+55"
23	23	"+23"	56	56	"+56"
24	24	"+24"	57	57	"+57"
25	25	"+25"	58	58	"+58"
26	26	"+26"	59	59	"+59"
27	27	"+27"	60	60	"+60"
28	28	"+28"	61	61	"+61"
29	29	"+29"	62	62	"+62"
30	30	"+30"	63	63	"+63"
31	31	"+31"	64	64	"+64"
32	32	"+32"			

Table 8 Link Group
1: A
2: B
...
9: I

DM3/DM3S	Max Channel Numbers
Input Channel	16
Stereo Input Channel	2
Fx Return Channel	4
Mix Channel	6
Stereo Channel	2
Matrix Channel	2
Fx Channel	2
Mute Group	6
Input Channel Link	10
Input Channel Link Group	9
Local Input	16
Stereo Bus	1
DCA Group	0
Output Channel Link	0
Output Channel Link Group	0
PEQ Inch Band	0
PEQ Mix Band	0
PEQ Matrix Band	0
Split Side	0
Prmnum Result	145