

MPA1 Audio Monitoring Range Installation and Operation Manual Version 1.0



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Version History

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lssue	Date	Change Details
1	01/02/18	Preliminary Guide
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Introduction

The MPA1 Range of Audio Monitors provide high-quality confidence monitoring in a compact 1RU design. At just 100mm deep and less than 4kg, MPA1 Audio Monitors are ideally suited for environments where space and weight is a premium, such as OB Trucks and Flyaways.

Designed for ease of use, all MPA1 Audio Monitors can be controlled directly from the front panel, or remotely over an Ethernet network using a suitable Web-Browser or control system using SNMP.

This manual covers the following Audio Monitoring Products within the MPA1 Range:

MPA1-SOLO-SDI	MPA1-MIX-SDI
MPA1-SOLO-MADI	MPA1-MIX-MADI
MPA1-SOLO-DANTE	MPA1-MIX-DANTE

The MPA1-SOLO variants provide instantaneous selection and monitoring of any incoming audio source, whilst the MPA1-MIX variants also allow for multiple monitor mixes, comprising up to 8 audio pairs, to be created, stored and recalled with ease.

Front Panel for MPA1-SOLO Variants



Front Panel Layout for MPA1-MIX-Variants



MPA1-SOLO-SDI Installation

The MPA1 Audio Monitoring Range has been designed to be quick and easy to install, requiring minimal installation effort. Input and output connectivity for each MPA1 Model can be seen below:

<u></u>				
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				
Product	Product Inputs Outputs Other			
MPA1-SOLO-SDI	2 x 3G/HD/SD-SDI	1 x 3G/HD/SD-SDI	1 x 1Gig/E Ethernet	
	1 x AES3 (75 ohm)	(reclocked)	Port (Management and	
	2 x Analogue Inputs	2 x Analogue Outputs	Control)	
	(Balanced)	(Balanced)	1 x USB Port (Software	
		1 x Headphone Output	Updates and	
		1 x HDMI Monitoring	Configuration)	
		Output	1 x IEC Power Inlet	

MPA1-SOLO-SDI





MPA1-MIX-SDI Installation

The MPA1 Audio Monitoring Range has been designed to be quick and easy to install, requiring minimal installation effort. Input and output connectivity for each MPA1 Model can be seen below:

MPA1-MIX-SDI					
100-240V AC - 50/60Hz AES-3 In MGMT HDM Anatogue In SDI In SDI Out Anatogue Out 30W 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0					
Product	Inputs	Outputs	Other		
MPA1-MIX-SDI	2 x 3G/HD/SD-SDI	1 x 3G/HD/SD-SDI	1 x 1Gig/E Ethernet		
	1 x AES3 (75 ohm)	(reclocked)	Port (Management and		
	2 x Analogue Inputs	2 x Analogue Outputs	Control)		
	(Balanced)	(Balanced)	1 x USB Port (Software		
		1 x Headphone Output	Updates and		
		1 x HDMI Monitoring	Configuration)		
		Output	1 x IEC Power Inlet		



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MPA1-SOLO-MADI Installation

MPA1-SOLO-MADI

100-240V AC - 30W	50/60Hz MGMT MADI MAI Optical 품 문문 MADI	DI In O Analogue Inputs 1-8 Out O	gue Out R
Product	Inputs	Outputs	Other
MPA1-SOLO-MADI	1 x MADI (75 ohm)	1 x MADI (75 ohm)	1 x 1Gig/E Ethernet
	1 x MADI (SFP cage for	reclocked	Port (Management and
	optional SFP module)	2 x Analogue Outputs	Control)
	8 x Analogue Inputs	(Balanced)	1 x USB Port (Software
	(Balanced)	1 x Headphone Output	Updates and
			Configuration)
			1 x IEC Power Inlet







MPA1-MIX-MADI Installation

MPA1-MIX-MADI

100-240V AC - 30W	50/60Hz MGMT MADI MA Optical 금품 문란 MADI	DI In O Analogue Inputs 1-8 L Out O Analogue Inputs 1-8 O	gue Out R
Product	Inputs	Outputs	Other
MPA1-MIX-MADI	1 x MADI (75 ohm)	1 x MADI (75 ohm)	1 x 1Gig/E Ethernet
	1 x MADI (SFP cage for	reclocked	Port (Management and
	optional SFP module)	2 x Analogue Outputs	Control)
	8 x Analogue Inputs	(Balanced)	1 x USB Port (Software
	(Balanced)	1 x Headphone Output	Updates and
			Configuration)
			1 x IEC Power Inlet







MPA1-SOLO-DANTE Installation

MPA1-SOLO-DANTE

100-240/ AC - 30W	50/60Hz MGMT MADI MA Optical CC MADI	DI In O Dante 1G L Out O III O	gue Out R
Product	Inputs	Outputs	Other
MPA1-SOLO-DANTE	1 x 1Gig/E Ethernet	1 x MADI (75 ohm)	1 x 1Gig/E Ethernet
	Port (Dante/AES67)	reclocked	Port (Management and
	1 x MADI (75 ohm)	2 x Analogue Outputs	Control)
	1 x MADI (SFP cage for	(Balanced)	1 x USB Port (Software
	optional SFP module)	1 x Headphone Output	Updates and
	8 x Analogue Inputs		Configuration)
	(Balanced)		1 x IEC Power Inlet







MPA1-MIX-DANTE Installation

MPA1-MIX-DANTE



Product	Inputs Outputs		Other
MPA1-MIX-DANTE	1 x 1Gig/E Ethernet	1 x MADI (75 ohm)	1 x 1Gig/E Ethernet
	Port (Dante/AES67)	reclocked	Port (Management and
	1 x MADI (75 ohm)	2 x Analogue Outputs	Control)
	1 x MADI (SFP cage for	(Balanced)	1 x USB Port (Software
	optional SFP module)	1 x Headphone Output	Updates and
	8 x Analogue Inputs		Configuration)
	(Balanced)		1 x IEC Power Inlet



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Initial Setup

TSL Products recommends connecting your MPA1 Audio Monitor to an Ethernet network during initial setup and configuration.

Full configuration of your MPA1 Audio Monitor can be achieved by way of a suitable Client PC and Webbrowser.

Setting the Control IP Address of your MPA1 Audio Monitor

All MPA1 Audio Monitors are shipped with a DHCP setting default to 'DHCP 'On'.

To determine the current IP address of your MPA1, push and hold the SELECT/MENU encoder for 3 seconds to access the **Settings** Menu.



The **Settings** Menu will now appear on the front panel display of your MPA1, with the current IP Address shown.

Using the SELECT/MENU encoder, you can scroll through the Settings Menu to highlight a Settings Sub-Menu of your choice.

The availability of Sub-Menus is depicted by the presence of the following symbol: >>

With the IP Address Sub-Menu highlighted as shown, briefly push the SELECT/MENU encoder to access the **Network Settings** Menu (see below).

The SELECT/MENU encoder will now allow you to scroll through, select and modify the Network Settings of your MPA1 in accordance with the guidelines set by your Network Administrator.

Once complete, select BACK to return to the **Settings** Menu. You can exit the **Settings** Menu by pushing and holding the SELECT/MENU encoder for 3 seconds once more.



IP Address >> : 192.168.204.3

USB Load/Save >> Source : Coax

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Accessing the Webpage of your MPA1

Configuring your MPA1 Audio Monitor using a Client PC and Web-Browser

With your MPA1 connected to an Ethernet network, you can remotely control and configure your MPA1 using a Client PC and Web-Browser.

The MPA1 Webpage allows you to optimise your MPA1 for your environment and the workflow you need to support.

Settings such as the brightness of the front panel display, which sources may be selected from the front panel of the unit and the behaviour of the MPA1 when used with Headphones can all be set using the MPA1 Webpage.

Enter the IP Address of your MPA1 into a Web-Browser

TSL Products - MPA1 Sol ×	θ -
← → C ☆ ③ 192.168.204.3	\$
	$\boldsymbol{\leftarrow} \rightarrow \boldsymbol{C} \boldsymbol{\bigtriangleup} \textbf{192.168.204.3}$

The MPA1 Webpage comprises multiple Tabs, providing quick navigation to specific sections of the MPA1 configuration, providing quick and easy setup.

Separate Tabs for LIVE VIEW, NAMES, CONFIGURATION and NETWORK SETUP are present on the Webpage belonging to all MPA1-SOLO variants, whilst an extra ROUTING Tab can be found on all MPA1-MIX variants.

Live	view N	lames	Configuration	Network Setup	
	MPA1-SOLO-S	SDI, MPA1-SC	DLO-MADI and MPA1-S	OLO-DANTE	
Live view	Routing	Names	s Configuratio	n Network Se	etup
MPA1-MIX- SDI, MPA1-MIX-MADI and MPA1-MIX-DANTE					

The following pages detail the contents and settings available using the MPA1 Model.



MPA1-SOLO-SDI Webpage





Element	Function	Notes
1	Switch to Mute Headphone Output	Red when Muted, Grey when Active
2	Headphone Output Level adjustment	Adjust as required
3	Switch to Mute the Loudspeaker Output	Red when Muted, Grey when Active
4	Loudspeaker Output Level adjustment	Adjust as required
5	Input Selection	Switches between SDI 1, SDI 2 and AES +
		Analogue Input Monitoring
6	Audio Level Meter Display	Displays Audio Levels in accordance with Input
		Selection
7	Stereo/Mono Switch	Switches Audio Monitoring Selectors between
		Single Audio Channel and Audio Pair mode.
8	Screen Mode Switch	Switches front panel display between Audio
		Metering and SDI Video Source.
9	Signal Format Display	Format display of SDI 1, SDI 2 and AES3 Inputs
10	Audio Monitor Selectors	Selects the Single Audio Channel or Audio Pair
		routed to the Headphone and Loudspeaker
		Outputs.



Clicking on the NAMES Tab of the MPA1-SOLO-SDI Webpage displays the following:

		Live	view	Names	Configuration	Network Setup	
				G	ROUP NAMES		
Group	Active	Name					
1	Yes	Replay 1					
2	No	SDIÞ					
3	No	AES/Analo	g				
	1				2		
				CHA	NNELS NAMES		
				CHA	ANNELS NAMES		
SDI 1	S	DI 2	Analog +	CHA - Aes	ANNELS NAMES	_	
SDI 1 Input	S Auto	DI2 DI2	Analog +	CH4 - AES	ANNELS NAMES		
SDI 1 Input SDI 1:1	S Auto No	DI2 Name	Analog +	CH <i>A</i>	ANNELS NAMES		
SDI 1 Input SDI 1:1 SDI 1:2	S Auto No	DI2 Name 1 2	Analog +	CH <i>A</i>	ANNELS NAMES		
SDI 1 Input SDI 1:1 SDI 1:2 SDI 1:3	S Auto No No	DI 2 Name 1 2 3	Analog +	CH <i>A</i>	ANNELS NAMES		
SDI 1 Input SDI 1:1 SDI 1:2 SDI 1:3	S Auto No No	DI 2 Name 1 2 3	Analog +	CH A	ANNELS NAMES		
SDI 1 Input SDI 1:1 SDI 1:2 SDI 1:3 SDI 1:4	S Auto No No No	DI 2 Name 1 2 3 4	Analog +	CH A	ANNELS NAMES		

Element	Function	Notes
1	Input Active Buttons	Allows unused inputs to be hidden from the
		Operator
2	Input Names	Allows friendly names to be applied to SDI 1,
		SDI 2 and AES/Analog Input Groups
3	Channel Names	Allows friendly names to be applied to all 16
		Embedded Audio Channels belonging to SDI 1
		and SDI 2 Inputs and AES and Analogue
		Channels.



Clicking on the CONFIGURATION Tab of the MPA1-SOLO-SDI Webpage displays the following:



Element	Function	Notes
1	Local Config	Enables/Disables configuration from the front
		panel of the MPA1-SOLO-SDI
2	Line Output Level	Sets the Output Level of the Balanced Line
		Level Outputs on the MPA1-SOLO-SDI
3	Screen Brightness	Sets the Brightness Level of the front panel
		display
4	Line Output Mode	Determines behaviour of Balanced Line Level
		Outputs upon insertion of Headphones.
5	Loudspeaker Mode	Determines behaviour of Internal
		Loudspeakers upon insertion of Headphones.
6	Meter Threshold RED	Sets audio threshold at which audio level
		meters begin to display RED
7	Meter Threshold YELLOW	Sets audio threshold at which audio level
		meters begin to display YELLOW

Live view Names Configuration 1 DHCP Di 2 IP address 192 168 204 3 . . 3 255 0 Subnet mask 255 255 . . . Gateway address 192 168 204 254 . . 4 . Apply: update IP address 5 © TSL Products 2017 All Rights Reserved.

Clicking on the NETWORK SETTINGS Tab of the MPA1-SOLO-SDI Webpage displays the following:

Element	Function	Notes
1	DHCP	Enables/Disables DHCP Mode
2	IP Address	Displays current IP Address and allows new IP
		Address to be entered.
3	Subnet Mask	Displays current Subnet Mask and allows new
		Subnet Mask to be entered.
4	Gateway Address	Displays current Gateway Address and allows
		new Gateway Address to be entered.
5	Apply IP Address	Button to apply IP, Subnet and Gateway
		addresses to the MPA1-SOLO-SDI



MPA1-SOLO-MADI Web Page

Clicking on the LIVE VIEW Tab of the MPA1-SOLO-MADI Webpage displays the following:

	L	ive view.	Names	Configur	ation	Network Setup	
				LIVE VIEW			
Headphones volume	Mute		<u>(</u>)	— 2			
Displayed channel	Madi 1				• 3		
Source	Mute	Stereo	Volume	Pan		l evel	
			volume	- un			
Madi : 1	Mute	Stereo)			
4	5	6	7		8		9
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Element	Function	Notes		
1	Switch to Mute Headphone Output	Red when Muted, Grey when Active		
2	Headphone Output Level adjustment	Adjust as required		
3	Displayed Channel	Drop down list allowing Input selection of		
		MADI Sources 1-64 and Analog Sources 1-8.		
4	Source Name	Displays friendly name of selected source as		
		entered in NAMES Tab.		
5	Mute Switch	Mutes Headphone, Internal Loudspeakers and		
		Balanced Line Level Outputs.		
6	Stereo/Mono Switch	Switches between Mono and Stereo		
		monitoring modes.		
7	Source Volume	Adjusts Internal Loudspeaker and Balanced		
		Line Level Outputs.		
8	Pan	Pan control of selected source on Headphone,		
		Internal Loudspeakers and Balanced Line Level		
		Outputs.		
9	Audio Level Meter Display	Displays Audio Levels in accordance with Input		
		Selection		



Clicking on the NAMES Tab of the MPA1-SOLO-MADI Webpage displays the following:

		Live view	Names	Configuration	Network Setup		
	CHANNELS NAMES						
Input	Auto All	Name					
Madi 1 <u>1</u>	No	Madi : 1		2			
Madi 2	No	Madi : 2					
Madi 3	No	Madi : 3					
Madi 4	No	Madi : 4					
Madi 5	No	Madi : 5					
Madi 6	No	Madi : 6					
Madi 7	No	Madi : 7					
Madi 8	No	Madi : 8					

Analog 5	No	Analog : 69					
Analog 6	No	Analog : 70					
Analog 7	No	Analog : 71					
Analog 8	No	Analog : 72					
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Element	Function	Notes
1	MADI/Analogue Channel Number	
2	Source Channel Names	Allows friendly names to be applied to MADI Channels 1-64 and Analogue Channels 1-8*

* Please note that the Auto Naming function is fixed to NO on the MP1-SOLO-MADI



Clicking on the CONFIGURATION Tab of the MPA1-SOLO-MADI Webpage displays the following:



Element	Function	Notes
1	Local Config	Enables/Disables configuration from the front
		panel of the MPA1-SOLO-MADI
2	Line Output Level	Sets the Output Level of the Balanced Line
		Level Outputs on the MPA1-SOLO-MADI
3	Screen Brightness	Sets the Brightness Level of the front panel
		display
4	Line Output Mode	Determines behaviour of Balanced Line Level
		Outputs upon insertion of Headphones.
5	Source I/O	Switch to set whether the Coaxial BNC or
		Optical SFP input is to be used to receive MADI
6	Loudspeaker Mode	Determines behaviour of Internal
		Loudspeakers upon insertion of Headphones.



Clicking on the NETWORK SETTINGS Tab of the MPA1-SOLO-MADI Webpage displays the following:

Live	view Na	ames	Config	uratior	h	Network	Setup	
	NETWORK SETTINGS							
DHCP	Disabled	1						
IP address	192		168		204		3	2
Subnet mask	255		255		255		0	3
Gateway address	192		168		204		254	4
					Apply: up	odate IP addr	ess	5
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Element	Function	Notes
1	DHCP	Enables/Disables DHCP Mode
2	IP Address	Displays current IP Address and allows new IP
		Address to be entered.
3	Subnet Mask	Displays current Subnet Mask and allows new
		Subnet Mask to be entered.
4	Gateway Address	Displays current Gateway Address and allows
		new Gateway Address to be entered.
5	Apply IP Address	Button to apply IP, Subnet and Gateway
		addresses to the MPA1-SOLO-MADI



MPA1-SOLO-DANTE Web Page

Clicking on the LIVE VIEW Tab of the MPA1-SOLO-DANTE Webpage displays the following:



Element	Function	Notes
1	Switch to Mute Headphone Output	Red when Muted, Grey when Active
2	Headphone Output Level adjustment	Adjust as required
3	Displayed Channel	Drop down list allowing Input selection of
		DANTE Sources 1-64 and MADI Sources 1-64
4	Source Name	Displays friendly name of selected source as
		entered in NAMES Tab.
5	Mute Switch	Mutes Headphone, Internal Loudspeakers and
		Balanced Line Level Outputs.
6	Stereo/Mono Switch	Switches between Mono and Stereo
		monitoring modes.
7	Source Volume	Adjusts Internal Loudspeaker and Balanced
		Line Level Outputs.
8	Pan	Pan control of selected source on Headphone,
		Internal Loudspeakers and Balanced Line Level
		Outputs.
9	Audio Level Meter Display	Displays Audio Levels in accordance with Input
		Selection



Clicking on the NAMES Tab of the MPA1-SOLO-DANTE Webpage displays the following:

		Live view	Names	Configuration	Network Setup	
			CHAP	NNELS NAMES		
Input	Auto All	Name				
Madi 1 <u>1</u>	No	Madi : 1		2		
Madi 2	No	Madi : 2				
Madi 3	No	Madi : 3				
Madi 4	No	Madi : 4				
Madi 5	No	Madi : 5				
Madi 6	No	Madi : 6				
Madi 7	No	Madi : 7				
Madi 8	No	Madi : 8				

Dante 59	Yes	Dante : 59
Dante 60	Yes	Dante : 60
Dante 61	Yes	Dante : 61
Dante 62	Yes	Dante : 62
Dante 63	Yes	Dante : 63
Dante 64	Yes	Dante : 64

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Element	Function	Notes
1	DANTE/MADI Channel Number	
2	Source Channel Names	Allows friendly names to be applied to DANTE
		Channels 1-64 and MADI Channels 1-64*

* <u>Please note that the Auto Naming function is fixed to NO on the MP1-SOLO-MADI for MADI</u> <u>Sources. When Auto Naming is set to 'YES' for DANTE sources, friendly names will be ignored,</u> <u>with Source Names as set in DANTE Controller</u>

Clicking on the CONFIGURATION Tab of the MPA1-SOLO-DANTE Webpage displays the following:



Element	Function	Notes
1	Local Config	Enables/Disables configuration from the front
		panel of the MPA1-SOLO-DANTE
2	Line Output Level	Sets the Output Level of the Balanced Line
		Level Outputs on the MPA1-SOLO-DANTE
3	Screen Brightness	Sets the Brightness Level of the front panel
		display
4	Line Output Mode	Determines behaviour of Balanced Line Level
		Outputs upon insertion of Headphones.
5	Source I/O	Switch to set whether the Coaxial BNC or
		Optical SFP input is to be used to receive MADI
6	Loudspeaker Mode	Determines behaviour of Internal
		Loudspeakers upon insertion of Headphones.

Clicking on the NETWORK SETTINGS Tab of the MPA1-SOLO-MADI Webpage displays the following:



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Element	Function	Notes
1	DHCP	Enables/Disables DHCP Mode
2	IP Address	Displays current IP Address and allows new IP
		Address to be entered.
3	Subnet Mask	Displays current Subnet Mask and allows new
		Subnet Mask to be entered.
4	Gateway Address	Displays current Gateway Address and allows
		new Gateway Address to be entered.
5	Apply IP Address	Button to apply IP, Subnet and Gateway
		addresses to the MPA1-SOLO-MADI

MPA1-MIX-SDI Web Page

	Live vi	ew F	Routing Names	Configuration	Network Setup	
			LIVE	VIEW		
Headphones volume	1 Mute	<u> 2</u>		Eoudspeakers volume	3 4 ute	
Displayed group	Bank 1		×	5 Display Au	dio <mark>6</mark>	
Source	Mute	Solo	Volume	Pan	Level	
1 SDI1:1 7	Mute 8	Solo 9			_	12
2 SDI 1 : 3	Mute	Solo			_	
3 SDI 1 : 5	Mute	Solo			_	
4 SDI 1 : 7	Mute	Solo			_	
5 SDI 2 : 17	Mute	Solo	<u> </u>		_	
6 SDI 2 : 19	Mute	Solo			_	
7 SDI 2 : 21	Mute	Solo			_	
8 SDI 2 : 23	Mute	Solo			_	

Clicking on the LIVE VIEW Tab of the MPA1-MIX-SDI Webpage displays the following:

Element	Function	Notes
1	Switch to Mute Headphone Output	Red when Muted, Grey when Active
2	Headphone Output Level adjustment	Adjust as required
3	Switch to Mute the Loudspeaker Output	Red when Muted, Grey when Active
4	Loudspeaker Output Level adjustment	Adjust as required
5	Mix Bank Selection	Drop down list allowing recall of one of 16
		Audio Mix Banks (A-P)
6	Display	Switches Front Panel Display of MPA1-MIX-SDI
		between Audio Meters and SDI Video Source
7	Source Name	Displays Source and Friendly Name*
8	Channel Mute	Mutes Selected Channel
9	Channel Solo	Places Selected Channel in Solo Mode (Click
		and Hold)
10	Channel Volume	Adjusts channel Volume within overall Mix
11	Channel Pan	Adjusts channel Pan within overall Mix
12	Audio Level Meters	Audio Level Display

* Friendly Names can be set in the NAMES Tab



Clicking on the ROUTING Tab of the MPA1-MIX-SDI Webpage displays the following:

		Live view	Routing	Names	Configuration	Network Setup		
				GROUP ROU	TING TABLE			
Control	Gain			Stereo	Source			
				A	1			
1 2	0 dB		• 3	Stereo 4	SDI 1 1: SDI 1 : 1		_, 5	٣
2	0 dB		v	Stereo	SDI 1 3: SDI 1 : 3			T
3	0 dB		T	Stereo	SDI 1 5: SDI 1 : 5			T
4	0 dB		•	Stereo	SDI 1 7: SDI 1 : 7			T
5	0 dB		T	Stereo	SDI 2 1: SDI 2 : 17			Ŧ
6	0 dB		¥	Stereo	SDI 2 3: SDI 2 : 19			٣
7	0 dB		•	Stereo	SDI 2 5: SDI 2 : 21			٣
8	0 dB		•	Stereo	SDI 2 7: SDI 2 : 23			٣
				В				
1	0 dB		•	Stereo	Analog/AES 1: Analog + AES			٣
2	0 dB		*	Stereo	SDI 1 3: SDI 1 : 3			T

<u>...</u>

5	0 dB	T	Mono	٣
6	0 dB	T	Mono	T
7	0 dB	T	Mono	•
8	0 dB	v	Mono	Ŧ

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Element	Function	Notes
1	Mix Bank Identifier	Identifies one of the 16 Mix Banks (A-P)
2	Channel Number	Channel number of source contributing to Mix
		Bank (1-8)
3	Audio Channel Gain Preset	Allows +20dB, +10db, 0dB, -10dB or -20dB to
		be applied to Audio Channel Input
4	Stereo/Mono Switch	Switches Input Channel between Audio
		Channel and Audio Pair Mode
5	Audio Channel Selector	Selects Audio Channels contributing to chosen
		Mix Bank. Audio Channels Embedded in SDI 1,
		SDI 2 and AES and Analogue Inputs can be
		selected.



Clicking on the NAMES Tab of the MPA1-MIX-SDI Webpage displays the following:

		Live vi	iew	Routing	Names	Configuration	Network Setup
					GROUP N	AMES	
Group	Active	Video	Name				
1 1	2 Yes 3	SDI 1	Α			4	
2	Yes	SDI 2	В				
3	Yes	SDI 1	С				
4	Yes	SDI 2	D				
5	Yes	SDI 1	E				

<u>...</u>

15	No	SDI 1	0
16	No	SDI 2	P

<u>...</u>

CHANNELS NAMES				
Input	Auto A Name			
SDI 1 1 5	No 6 SDI1:1 7			
SDI 1 2	No SDI 1 : 2			
SDI 1 3	No SDI 1:3			
SDI 1 4	No SDI 1 : 4			

<u>....</u>



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Fage 34 01 /

Element	Function	Notes
1	Mix Bank Identifier	Identifies one of the 16 Mix Banks (A-P)
2	Active Switch	Determines which MIX Banks are available for selection on the front panel of the MPA1-MIX-SDI.
3	Video Switch	Determines which SDI Video Source is displayed on the front panel, reclocked SDI Output and HDMI Output for each MIX Bank
4	Mix Bank Name	Friendly Name of MIX Bank*
5	Physical Input Identifier	Physical Input and Channel Number
6	Auto Naming Function	Not Supported
7	Friendly Name	Allows friendly names to be applied to SDI Embedded Audio, AES and Analogue Audio Channels



Clicking on the CONFIGURATION Tab of the MPA1-MIX-SDI Webpage displays the following:



Element	Function	Notes
1	Channel Knob Push	Enables/Disables 'Push to Mute' function of
		Channel Rotary Encoders on front panel of
		MPA1-MIX-SDI
2	Channel Knob Push and Rotate	Determines 'Push and Rotate' behaviour of
		Channel Rotary Encoders on the front panel of
		the MPA1-MIX-SDI. When set to Balance, the
		Audio Balance of the selected Audio Channel
		can be adjusted. When set to Mapping, the
		Physical Audio Channel assigned to the Mix
2	Channel Knob Duch and Hold	Channel Can be selected.
5	Channel Knob Push and Hold	Enables/Disables Push and Hold to Solo
		nanol of MPA1 MIX SDI
1	Input Status	Displays the Status and Signal Format of SDI
4		and AFS Sources
5	Gain Bar Display	Enables/Disables the Gain Bar Display from the
	. ,	front panel of the MPA1-MIX-SDI.
6	Local Config	Enables/Disables configuration from the front
		panel of the MPA1-MIX-SDI
7	Line Output Level	Sets the Output Level of the Balanced Line
		Level Outputs on the MPA1-MIX-SDI
8	Line Output Mode	Determines behaviour of Balanced Line Level
		Outputs upon insertion of Headphones.


9	Screen Brightness	Sets the Brightness Level of the front panel
		display
10	Loudspeaker Mode	Determines the behaviour of Internal
		Loudspeakers upon insertion of Headphones

Live view	Routing	Nam	es	Confi	guration	1	Network S	etup
		NETW	ORK SI	ETTIN	GS			
DHCP	Enabled							
IP address	192	•	168		206		231	
Subnet mask	255	•	255		255		0	
Gateway address	192		168		206		254	
					Apply: up	odate IP a	Iddress	
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Clicking on the NETWORK SETTINGS Tab of the MPA1-MIX-SDI Webpage displays the following:

Element	Function	Notes	
1	DHCP	Enables/Disables DHCP Mode	
2	IP Address	Displays current IP Address and allows new IP Address to be entered.	
3	Subnet Mask	Displays current Subnet Mask and allows new Subnet Mask to be entered.	
4	Gateway Address	Displays current Gateway Address and allows new Gateway Address to be entered.	
5	Apply IP Address	Button to apply IP, Subnet and Gateway addresses to the MPA1-MIX-SDI	

MPA1-MIX-MADI Web Page

L	ive view	Routing	Names	Configuration	Network	<pre>setup</pre>
			LIVE	VIEW		
Headphones volume	Mute	(i)		Loudspeakers volume	Mute	<u>(</u>)
Displayed group	1 Bank 1	2		× 5	3	4
Dishin Jon Stoup	Dank					
Source	Mute	Solo Volume		Pan	Level	
1 Madi:1 <mark>6</mark>	Mute	Solo	<u> </u>			
2 Madi : 2	Mute	Solo	<u> </u>			11
3 Madi : 3	Mute	Solo	()			
4 Madi : 4	Mute	Solo	0			
5 Madi : 5	Mute	Solo	<u>()</u>			
6 Madi : 6	Mute	Solo —				-
7 Madi : 7	Mute	Solo	<u>(</u>)			-
8 Madi : 8	Mute	Solo	<u>(</u>)			
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Clicking on the LIVE VIEW Tab of the MPA1-MIX-MADI Webpage displays the following:

Element	Function	Notes
1	Switch to Mute Headphone Output	Red when Muted, Grey when Active
2	Headphone Output Level adjustment	Adjust as required
3	Switch to Mute the Loudspeaker Output	Red when Muted, Grey when Active
4	Loudspeaker Output Level adjustment	Adjust as required
5	Mix Bank Selection	Drop down list allowing recall of one of 16
		Audio Mix Banks (A-P)
6	Source Name	Displays Source and Friendly Name*
7	Channel Mute	Mutes Selected Channel
8	Channel Solo	Places Selected Channel in Solo Mode (Click
		and Hold)
9	Channel Volume	Adjusts channel Volume within overall Mix
10	Channel Pan	Adjusts channel Pan within overall Mix
11	Audio Level Meters	Audio Level Display

* Friendly Names can be set in the NAMES Tab

Clicking on the ROUTH	G Tab of the MPA1-M	IX-MADI Webnage	displays the	following
Clicking on the ROOTI		IN-INIADI Webhage	uispiays the	ionowing.

	Live view	Routing	Names	Configuration	Network Setup	
GROUP ROUTING TABLE						
Control	Gain		Stereo	Source		
			A	1		
1 2	0 dB	* 3	Mono <mark>4</mark>	Madi 1: Madi : 1		5 •
2	0 dB	T	Mono	Madi 2: Madi : 2		T
3	0 dB	¥	Mono	Madi 3: Madi : 3		T
4	0 dB	¥	Mono	Madi 4: Madi : 4		T
5	0 dB	¥	Mono	Madi 5: Madi : 5		¥
6	0 dB	¥	Mono	Madi 6: Madi : 6		•
7	0 dB	¥	Mono	Madi 7: Madi : 7		¥
8	0 dB	T	Mono	Madi 8: Madi : 8		T
			В	1		
1	0 dB	T	Mono	Madi 9: Madi : 9		Ŧ

<u>...</u>

7	0 dB	Ŧ	Мопо	•
8	0 dB	T	Mono	•

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Element	Function	Notes
1	Mix Bank Identifier	Identifies one of the 16 Mix Banks (A-P)
2	Channel Number	Channel number of source contributing to Mix Bank (1-8)
3	Audio Channel Gain Preset	Allows +20dB, +10db, 0dB, -10dB or -20dB to be applied to Audio Channel Input
4	Stereo/Mono Switch	Switches Input Channel between Audio Channel and Audio Pair Mode
5	Audio Channel Selector	Selects Audio Channels contributing to chosen Mix Bank. MADI Channels 1-64 can be selected.



Clicking on the NAMES Tab of the MPA1-MIX-MADI Webpage displays the following:

	Live view	Routing	Names	Configuration	Network Setup
			GROUP I	NAMES	
Group	Active Name				
¹ 1	2 Yes 3 A			4	
2	Yes B				
3	Yes C				
4	Yes D				
5	Vos F				

15	No	0
16	No	P

<u>...</u>

٠	•	•

			CHANNELS NAMES
5 Input	6 Auto All	Name	
Madi 1	No	Madi : 1	7
Madi 2	No	Madi : 2	
Madi 3	No	Madi : 3	
Madi 4	No	Madi : 4	

Analog 6	No	Analog : 70	
Analog 7	No	Analog : 71	
Analog 8	No	Analog : 72	
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<u>....</u>

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Element	Function	Notes
1	Mix Bank Identifier	Identifies one of the 16 Mix Banks (A-P)
2	Active Switch	Determines which MIX Banks are available for selection on the front panel of the MPA1-MIX-SDI.
3	Video Switch	Determines which SDI Video Source is displayed on the front panel, reclocked SDI Output and HDMI Output for each MIX Bank
4	Mix Bank Name	Friendly Name of MIX Bank*
5	Physical Input Identifier	Physical Input and Channel Number
6	Auto Naming Function	Not Supported
7	Friendly Name	Allows friendly names to be applied to MADI Channels (1-64) and Analogue Audio Channels





Clicking on the CONFIGURATION Tab of the MPA1-MIX-MADI Webpage displays the following:

Element	Function	Notes
1	Channel Knob Push	Enables/Disables 'Push to Mute' function of
		Channel Rotary Encoders on front panel of
		MPA1-MIX-MADI
2	Channel Knob Push and Rotate	Determines 'Push and Rotate' behaviour of
		Channel Rotary Encoders on the front panel of
		the MPA1-MIX-MADI. When set to Balance,
		the Audio Balance of the selected Audio
		Channel can be adjusted. When set to
		Mapping, the Physical Audio Channel assigned
		to the Mix Channel can be selected.
3	Channel Knob Push and Hold	Enables/Disables 'Push and Hold to Solo'
		function of Channel Rotary Encoders on front
		panel of MPA1-MIX-MADI
4	Group Select Knob Push	Enables/Disables Push to MUTE function of
		Headphone, Internal Loudspeakers and
		Balanced Line Outputs using Group Select
		Knob



5	Group Select Knob Rotate	Determines whether Group Select Knob is Enabled/Disabled. Selecting Group allows Mix Groups to be selected from the front panel of the MPA-MIX-MADI, whilst selecting Volume allows level adjustment on the Internal Loudspeakers and Balanced Line Level Outputs.		
6	Gain Bar Display	Enables/Disables the Gain Bar Display from the front panel of the MPA1-MIX-MADI		
7	Local Config	Enables/Disables configuration from the front panel of the MPA1-MIX-SDI		
8	Line Output Level	Sets the Output Level of the Balanced Line Level Outputs on the MPA1-MIX-SDI		
9	Line Output Mode	Determines behaviour of Balanced Line Level Outputs upon insertion of Headphones.		
10	Screen Brightness	Sets the Brightness Level of the front panel display		
11	MADI Source	Determines if MADI Sources are derived from Coaxial BNC or Optical SFP Input.		
12	Loudspeaker Mode	Determines the behaviour of Internal Loudspeakers upon insertion of Headphones		

Live view	Routing	Name	s	Config	guration		Network S	etup
		NETWO	RK SE	TTINC	GS			
DHCP	Enabled							
IP address	192	. 1	168	•	206		231	
Subnet mask	255	. 2	255		255		0	
Gateway address	192	. 1	168		206		254	
					Apply: up	date IP a	ddress	
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Clicking on the NETWORK SETUP Tab of the MPA1-MIX-MADI Webpage displays the following:

Element	Function	Notes		
1	DHCP	Enables/Disables DHCP Mode		
2	IP Address	Displays current IP Address and allows new IP		
		Address to be entered.		
3	Subnet Mask	Displays current Subnet Mask and allows new		
		Subnet Mask to be entered.		
4	Gateway Address	Displays current Gateway Address and allows		
		new Gateway Address to be entered.		
5	Apply IP Address	Button to apply IP, Subnet and Gateway		
		addresses to the MPA1-MIX-MADI		

MPA1-MIX-DANTE Web Page

L	ive view	Ro	outing	Names	Configurati	on	Network Setup	
				LIVE	VIEW			
Headphones volume	Mute	(D		Loudspeakers volum	e Mute		
	1		2			3	4	
Displayed group	Bank 9			T	5			
Source	Mute	Solo	Volume		Pan		Level	
1 Dante : 1 6	Mute	Solo		8			_	
2 Dante : 2	Mute	Solo		9)		
3 Dante : 3	Mute	Solo)		
4 Dante : 4	Mute	Solo		<u>()</u>)		
5 Dante : 5	Mute	Solo	-)		
6 Dante : 6	Mute	Solo		8			_	
7 Dante : 7	Mute	Solo					_	
8 Dante : 8	Mute	Solo		())	_	
		G		oducts 2017	All Pights Res	orvod		

Clicking on the LIVE VIEW Tab of the MPA1-MIX-DANTE Webpage displays the following:

Element	Function	Notes
1	Switch to Mute Headphone Output	Red when Muted, Grey when Active
2	Headphone Output Level adjustment	Adjust as required
3	Switch to Mute the Loudspeaker Output	Red when Muted, Grey when Active
4	Loudspeaker Output Level adjustment	Adjust as required
5	Mix Bank Selection	Drop down list allowing recall of one of 16
		Audio Mix Banks (A-P)
6	Source Name	Displays Source and Friendly Name*
7	Channel Mute	Mutes Selected Channel
8	Channel Solo	Places Selected Channel in Solo Mode (Click
		and Hold)
9	Channel Volume	Adjusts channel Volume within overall Mix
10	Channel Pan	Adjusts channel Pan within overall Mix
11	Audio Level Meters	Audio Level Display

	Live view	Routing	Names	Configuration	Network Setup			
	GROUP ROUTING TABLE							
Control	Gain		Stereo	Source				
			A	X				
1	0 dB	•	Мопо	Madi 1: Madi : 1		•		
2	0 dB	¥	Мопо	Madi 2: Madi : 2		T		
3	0 dB	٣	Mono	Madi 3: Madi : 3		Ŧ		
4	0 dB	Ŧ	Mono	Madi 4: Madi : 4		٣		
5	0 dB	Ŧ	Mono	Madi 5: Madi : 5		Ŧ		
6	0 dB	¥	Mono	Madi 6: Madi : 6		٣		
7	0 dB	T	Mono	Dante 1: Audio		٣		
8	0 dB	¥	Mono	Dante 7: Director		٣		
			E	3				
1	0 dB	v	Мопо	Madi 9: Madi : 9		Ŧ		
2	0 dB	Ŧ	Mono	Madi 10: Madi : 10		v		

Clicking on the ROUTING Tab of the MPA1-MIX-DANTE Webpage displays the following:

7	0 dB	¥	Мопо	Dante 63: The Flether	•
8	0 dB	٣	Мопо	Dante 64: When The Ti	v
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Clicking on the NAMES Tab of the MPA1-MIX-DANTE Webpage displays the following:

	Live view	Routing	Names	Configuration	Network Setup	
			GROUP I	NAMES		
Group	Active Name					
1 <u>1</u>	2 Yes 3 A			4		
2	Yes B					
3	Yes C					
4	Yes D					
5	Yes E					

15	No	0
16	No	P

<u>...</u>

<u>...</u>

			CHANNELS NAMES
5 Input	6 Auto All	Name	
Madi 1	No	Madi : 1	7
Madi 2	No	Madi : 2	
Madi 3	No	Madi : 3	
Madi 4	No	Madi : 4	

Dante 62	Yes	Replay 1
Dante 63	Yes	Replay 2
Dante 64	Yes	Director
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Element	Function	Notes
1	Mix Bank Identifier	Identifies one of the 16 Mix Banks (A-P)
2	Active Switch	Determines which MIX Banks are available for selection on the front panel of the MPA1-MIX-SDI.
3	Video Switch	Determines which SDI Video Source is displayed on the front panel, reclocked SDI Output and HDMI Output for each MIX Bank
4	Mix Bank Name	Friendly Name of MIX Bank*
5	Physical Input Identifier	Physical Input and Channel Number
6	Auto Naming Function	Not Supported
7	Friendly Name	Allows friendly names to be applied to MADI Channels (1-64) and Analogue Audio Channels





Clicking on the CONFIGURATION Tab of the MPA1-MIX-DANTE Webpage displays the following:

Element	Function	Notes
1	Channel Knob Push	Enables/Disables 'Push to Mute' function of
		Channel Rotary Encoders on front panel of
		MPA1-MIX-DANTE
2	Channel Knob Push and Rotate	Determines 'Push and Rotate' behaviour of
		Channel Rotary Encoders on the front panel of
		the MPA1-MIX-DANTe. When set to Balance,
		the Audio Balance of the selected Audio
		Channel can be adjusted. When set to
		Mapping, the Physical Audio Channel assigned
		to the Mix Channel can be selected.
3	Channel Knob Push and Hold	Enables/Disables 'Push and Hold to Solo'
		function of Channel Rotary Encoders on front
		panel of MPA1-MIX-DANTE
4	Group Select Knob Push	Enables/Disables Push to MUTE function of
		Headphone, Internal Loudspeakers and
		Balanced Line Outputs using Group Select
		Knob



5	Group Select Knob Rotate	Determines whether Group Select Knob is Enabled/Disabled. Selecting Group allows Mix Groups to be selected from the front panel of the MPA-MIX-MADI, whilst selecting Volume allows level adjustment on the Internal Loudspeakers and Balanced Line Level Outputs.
6	Gain Bar Display	Enables/Disables the Gain Bar Display from the front panel of the MPA1-MIX-MADI
7	Local Config	Enables/Disables configuration from the front panel of the MPA1-MIX-SDI
8	Line Output Level	Sets the Output Level of the Balanced Line Level Outputs on the MPA1-MIX-SDI
9	Line Output Mode	Determines behaviour of Balanced Line Level Outputs upon insertion of Headphones.
10	Screen Brightness	Sets the Brightness Level of the front panel display
11	MADI Source	Determines if MADI Sources are derived from Coaxial BNC or Optical SFP Input.
12	Loudspeaker Mode	Determines the behaviour of Internal Loudspeakers upon insertion of Headphones



Clicking on the NETWORK SETUP Tab of the MPA1-MIX-DANTE Webpage displays the following:

Live view	Routing	Na	ames	Con	figuratio	n	Network S	etup
		NET	work	SETTI	NGS			
DHCP	Enabled							
IP address	192		168		206		231	
Subnet mask	255		255		255		0	
Gateway address	192		168		206		254	
					Apply: u	pdate IP	address	
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Element	Function	Notes
1	DHCP	Enables/Disables DHCP Mode
2	IP Address	Displays current IP Address and allows new IP
		Address to be entered.
3	Subnet Mask	Displays current Subnet Mask and allows new
		Subnet Mask to be entered.
4	Gateway Address	Displays current Gateway Address and allows
		new Gateway Address to be entered.
5	Apply IP Address	Button to apply IP, Subnet and Gateway
		addresses to the MPA1-MIX-SDI



Operation

The MPA1 Range has been designed to provide quick and easy selection of any desired audio source in an intuitive manner that requires little in the way of training.

One of the key benefits of the MPA1 is the ability to personalise or tailor its configuration and behaviour to suit a specific workflow, application or environment If the behaviour or configuration of your MPA1 is not as expected or required, please check the configuration and settings made in the webpage belonging to your MPA1.

All these settings can be made via the webpage of your MPA1 (see appropriate chapter earlier in this manual).

The following chapters present an operational overview of each MPA1 variant.



MPA1-SOLO-SDI Operation

The front panel of the MPA1-SOLO-SDI is equipped with four rotary controllers as follows:



Encoder	Function	Notes
1	Headphone Volume	Rotate to adjust Headphone level as required.
		PUSH to MUTE/UNMUTE currently selected
		audio source.
2	Output Volume	Rotate to adjust the Audio Level of the Internal
		Loudspeakers and/or Balanced Analogue
		Audio Outputs.
		PUSH to MUTE/UNMUTE Internal
		Loudspeakers and/or Balanced Analogue
		Audio Outputs.
		NOTE The superblack of this sector.
		NOTE: The exact behaviour of this control can
		Webpage see Settings 2.4 and 5 on Page 19 of
		this manual for further information
3	Select/Menu	Rotate to Scroll through SDI Embedded Audio
5		Channels and/or AFS and Analogue Audio
		Channels.
		PUSH to switch between Stereo and Mono
		Audio Monitoring.
		NOTE: Audio Sources available for selection
		are determined by the settings found in
		section 1 of the MPA1-SOLO-SDI Webpage.
		See Page 20 of this manual for further
		information.
		The Select Menu Encoder is also used to access
		the Settings Menu of the MPA SOLO SDL
		Further information can be found in the Initial
		Setup chapter found on Page 17 of this
		manual.
4	Video	PUSH to Switch between Audio Meter Display
		and Video Display.



MPA1-SOLO-MADI Operation

The front panel of the MPA1-SOLO-MADI is equipped with four rotary controllers as follows:



Encoder	Function	Notes
1	Headphone Volume	Rotate to adjust Headphone level as required.
		PUSH to MUTE/UNMUTE currently selected
		audio source.
2	Output Volume	Rotate to adjust the Audio Level of the Internal
		Loudspeakers and/or Balanced Analogue
		Audio Outputs.
		PUSH to MUTE/UNMUTE Internal
		Loudspeakers and/or Balanced Analogue
		Audio Outputs.
		NOTE: The exact behaviour of this control can
		he modified using the MPA1-SOLO-MADI
		Webpage see Settings 2.4 and 6 on Page 25 of
		this manual for further information.
3	Select/Menu	Rotate to Scroll through MADI Audio Channels
		and/or Analogue Audio Channels.
		PUSH to switch between Stereo and Mono
		Audio Monitoring.
		The Select Menu Encoder is also used to access
		the Settings Menu of the MPA-SOLO-MADI.
		Further information and he found in the Initial
		Further information can be found in the initial
		setup chapter round on Page 17 of this
1	Balance/Pan	Inditudi. Provides Balance Control of Steroo Audio
4		Sources and Pan Control of Mono Audio
		Sources Setting affects Headphone Internal
		Loudspeakers and Balanced Analogue Audio
		Outputs.



MPA1-SOLO-DANTE Operation

The front panel of the MPA1-SOLO-DANTE is equipped with four rotary controllers as follows:



Encoder	Function	Notes
1	Headphone Volume	Rotate to adjust Headphone level as required.
		PUSH to MUTE/UNMUTE currently selected
		audio source.
2	Output Volume	Rotate to adjust the Audio Level of the Internal
		Loudspeakers and/or Balanced Analogue
		Audio Outputs.
		PUSH to MUTE/UNMUTE Internal
		Loudspeakers and/or Balanced Analogue
		Audio Outputs.
		NOTE: The exact behaviour of this control can
		he modified using the MPA1-SOLO-DANTE
		Webpage, see Settings 2.4 and 6 on Page 29 of
		this manual for further information.
3	Select/Menu	Rotate to Scroll through DANTE and/or MADI
		Audio Channels.
		PUSH to switch between Stereo and Mono
		Audio Monitoring.
		The Select Menu Encoder is also used to access
		the Settings Menu of the MPA-SOLO-DANTE.
		Further information can be found in the Initial
		Sotup chapter found on Dage 17 of this
		manual
4	Balance/Pan	Provides Balance Control of Stereo Audio
		Sources and Pan Control of Mono Audio
		Sources, Setting affects Headphone, Internal
		Loudspeakers and Balanced Analogue Audio
		Outputs.



MPA1-MIX-SDI Operation

The front panel of the MPA1-MIX-SDI is equipped with ten rotary controllers as follows:



Encoder	Function	Notes		
1-8	Audio Level	Rotate to adjust relative contribution of Sources 1-8 to Stereo Monitoring Mix.		
		NOTE: Sources available are determined by the currently selected Mix Bank (A-P) and the contributing audio channels for each Mix Bank as set in the Routing Tab of the MPA-MIX-SDI. See Page 32 of this manual for further information.		
		PUSH to MUTE/UNMUTE contribution of Sources 1-8 to Stereo Mix.		
		NOTE: PUSH to MUTE/UNMUTE functionality can be disabled by Setting 1 of the MPA-MIX-SDI Webpage, see Page 35 of the manual for further information.		
		PUSH and ROTATE to adjust Balance of selected source or to map alternate audio source to encoder.		
		NOTE: PUSH and ROTATE functionality is determined by Setting 2 on the MPA-MIX-SDI Webpage, see Page 35 of the manual for further information		
		PUSH and HOLD to enable SOLO Monitoring of selected source.		
		NOTE: PUSH and HOLD to enable SOLO Monitoring can be disabled using Setting 3 of the MPA-MIX-SDI Webpage, see Page 35 of the manual for further information.		
9	Headphone Volume	Rotate to adjust Headphone level as required. PUSH to MUTE/UNMUTE entire Stereo Monitoring Mix from the Headphone Output.		
10	Select/Menu	Rotate to Scroll through Mix Banks A-P <u>or</u> to adjust Level of Stereo Monitoring Mix.		
		NOTE: The behaviour of the Select/Menu encoder is determined by		
		PUSH to MUTE/UNMUTE Internal Loudspeakers and Balanced Analogue Audio Outputs.		

	The Select Menu Encoder is also used to access the Settings Menu
	of the MPA-MIX-SDI. Further information can be found in the Initial
	Setup chapter found on Page 17 of this manual.



MPA1-MIX-MADI Operation

The front panel of the MPA1-MIX-MADI is equipped with ten rotary controllers as follows:



Encoder	Function	Notes
1-8	Audio Level	Rotate to adjust relative contribution of Sources 1-8 to Stereo Monitoring Mix.
		NOTE: Sources available are determined by the currently selected Mix Bank (A-P) and the contributing audio channels for each Mix Bank as set in the Routing Tab of the MPA-MIX-MADI. See Page 32 of this manual for further information.
		PUSH to MUTE/UNMUTE contribution of Sources 1-8 to Stereo Mix.
		NOTE: PUSH to MUTE/UNMUTE functionality can be disabled by Setting 1 of the MPA-MIX-MADI Webpage, see Page 35 of the manual for further information.
		PUSH and ROTATE to adjust Balance of selected source or to map alternate audio source to encoder.
		NOTE: PUSH and ROTATE functionality is determined by Setting 2 on the MPA-MIX-MADI Webpage, see Page 35 of the manual for further information
		PUSH and HOLD to enable SOLO Monitoring of selected source.
		NOTE: PUSH and HOLD to enable SOLO Monitoring can be disabled using Setting 3 of the MPA-MIX-MADI Webpage, see Page 35 of the manual for further information.
9	Headphone Volume	Rotate to adjust Headphone level as required. PUSH to MUTE/UNMUTE entire Stereo Monitoring Mix from the Headphone Output.
10	Select/Menu	Rotate to Scroll through Mix Banks A-P <u>or</u> to adjust Level of Stereo Monitoring Mix.
		NOTE: The behaviour of the Select/Menu encoder is determined by
		PUSH to MUTE/UNMUTE Internal Loudspeakers and Balanced Analogue Audio Outputs.





MPA1-MIX-DANTE Operation

The front panel of the MPA1-MIX-DANTE is equipped with ten rotary controllers as follows:



Encoder	Function	Notes
1-8	Audio Level	Rotate to adjust relative contribution of Sources 1-8 to Stereo Monitoring Mix.
		NOTE: Sources available are determined by the currently selected Mix Bank (A-P) and the contributing audio channels for each Mix Bank as set in the Routing Tab of the MPA-MIX-SDI. See Page 32 of this manual for further information.
		PUSH to MUTE/UNMUTE contribution of Sources 1-8 to Stereo Mix.
		NOTE: PUSH to MUTE/UNMUTE functionality can be disabled by Setting 1 of the MPA-MIX-SDI Webpage, see Page 35 of the manual for further information.
		PUSH and ROTATE to adjust Balance of selected source or to map alternate audio source to encoder.
		NOTE: PUSH and ROTATE functionality is determined by Setting 2 on the MPA-MIX-SDI Webpage, see Page 35 of the manual for further information
		PUSH and HOLD to enable SOLO Monitoring of selected source.
		NOTE: PUSH and HOLD to enable SOLO Monitoring can be disabled using Setting 3 of the MPA-MIX-SDI Webpage, see Page 35 of the manual for further information.
9	Headphone Volume	Rotate to adjust Headphone level as required. PUSH to MUTE/UNMUTE entire Stereo Monitoring Mix from the Headphone Output.
10	Select/Menu	Rotate to Scroll through Mix Banks A-P <u>or</u> to adjust Level of Stereo Monitoring Mix.
		NOTE: The behaviour of the Select/Menu encoder is determined by
		PUSH to MUTE/UNMUTE Internal Loudspeakers and Balanced Analogue Audio Outputs.

	The Select Menu Encoder is also used to access the Settings Menu
	of the MPA-MIX-SDI. Further information can be found in the Initial
	Setup chapter found on Page 17 of this manual.



MPA1-SOLO-SDI Front Panel Display

SELECT/ (MENU) 1 180 0 Headphone Volume -0--0--6--6-3 2 -12--12-4 -18--18--24--24--30--30--36--36--42--42-5 -48--48-Bal/Pan -54--54-(Mode) 6 MAIN PGM 7 **1** Headphone Volume



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MPA1-MIX-SDI Front Panel Display



Display	Function	Notes
1	Channel Label	Label displaying Channel friendly name.
		NOTE: Friendly names can be entered in the Channel Names section
		displayed within the Names Tab of the MPA1-MIX-MADI Webpage.
		See Page 40 of this manual for further information.
2	Audio Level Meters	Displays Audio Level of associated Source Channel
3	Gain Bar Display	Level of Channel contribution to Stereo Monitoring Mix.
		NOTE: Inclusion of the Gain Bar Display is determined by setting 6 in
		the Configuration Tab of the MPA-MIX-MADI Webpage. See Page 42
		of this manual for further information.
4	Balance/Pan Display	The relative contribution to the Left and Right channels of the Stereo
		Monitoring Mix is identified by the position of the Balance/Pan
5	Headphone and	Display of current Headphone and Loudspeaker Output Level settings
	Speakers Level	(0 Min – 100 Max).
	Displays	
6	Mix Bank Name	Label displaying friendly name of currently selected Mix Bank.
		NOTE: Friendly names can be entered in the Group Names section
		displayed within the Names Tab of the MPA1-MIX-MADI Webpage.
		See Page 40 of this manual for further information



MPA1-SOLO-MADI Front Panel Display





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MPA1-MIX-MADI Front Panel Display



Display	Function	Notes
1	Channel Label	Label displaying Channel friendly name.
		NOTE: Friendly names can be entered in the Channel Names section
		displayed within the Names Tab of the MPA1-MIX-MADI Webpage.
		See Page 40 of this manual for further information.
2	Audio Level Meters	Displays Audio Level of associated Source Channel
3	Gain Bar Display	Level of Channel contribution to Stereo Monitoring Mix.
		NOTE: Inclusion of the Gain Bar Display is determined by setting 6 in
		the Configuration Tab of the MPA-MIX-MADI Webpage. See Page 42
		of this manual for further information.
4	Balance/Pan Display	The relative contribution to the Left and Right channels of the Stereo
		Monitoring Mix is identified by the position of the Balance/Pan
5	Headphone and	Display of current Headphone and Loudspeaker Output Level settings
	Speakers Level	(0 Min – 100 Max).
	Displays	
6	Mix Bank Name	Label displaying friendly name of currently selected Mix Bank.
		NOTE: Friendly names can be entered in the Group Names section
		displayed within the Names Tab of the MPA1-MIX-MADI Webpage.
		See Page 40 of this manual for further information



MPA1-SOLO-DANTE Front Panel Display

1 180 0 Headphone Volume -0--0--6--6-3 2 -12--12-4 -18--18--24--24--30--30--36--36--42--42-5 -48--48-Bal/Pan -54--54-(Mode) 6 MAIN PGM 7



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(MENU)





MPA1-MIX-DANTE Front Panel Display



Display	Function	Notes
1	Channel Label	Label displaying Channel friendly name.
		NOTE: Friendly names for MADI and DANTE sources can be entered in the Channel Names section displayed within the Names Tab of the MPA1-MIX-DANTE Webpage. Friendly names for DANTE sources can also be derived from the DANTE Network when set to AUTO. See the Channels Name section of the MPA1-MIX-DANTE Webpage. See Page 47 of this manual for further information.
2	Audio Level Meters	Displays Audio Level of associated Source Channel
3	Gain Bar Display	Level of Channel contribution to Stereo Monitoring Mix.
		NOTE: Inclusion of the Gain Bar Display is determined by setting 6 in the Configuration Tab of the MPA-MIX-MADI Webpage. See Page 45 of this manual for further information.
4	Balance/Pan Display	The relative contribution to the Left and Right channels of the Stereo Monitoring Mix is identified by the position of the Balance/Pan
5	Headphone and Speakers Level Display	Display of current Headphone and Loudspeaker Output Level settings (0 Min – 100 Max).



6	Mix Bank Namo	Label displaying friendly name of currently selected Mix Bank
0		Laber displaying menuly name of currently selected with balk.
		NOTE: Friendly names can be entered in the Group Names
		section displayed within the Names Tab of the MPA1-MIX-
		MADI Webpage.
		See Page 47 of this manual for further information