Anthem MRX	1140-740-540 AVR and AVM 90-70 AVP serial commands	Aug 5 2020	
Command	Description	Related Query Command	Report
i	(semicolon) Command separator/terminator - note that semicolon is the only valid line feed.	there will be a semicolon at the end of report	
gommon t	Host MCU		
IDQ?	Query model and firmware version	returns IDQ followed by model, software version, region, software build date e.g. "IDQMRX 1140 US 0.2.3Aug 05 2020"	
IDM?	Query model	returns IDM followed by model e.g. "IDMMRX 1140"	
IDS?	Query software version	returns IDS followed by software version e.g. "IDS0.2.3"	
DSPIDS	Query DSP software version		
LCDIDS	Query LCDC software version		
GSN	Query serial number		
IDR?	Query region	returns IDR followed by region e.g. "IDRUS" or "IDREU" or "IDRCN"	
IDB?	Query software build date	returns IDB followed by software build date e.g. "IDBAug 13 2020"	
IDH?	Query hardware version	returns IDH followed by hardware version e.g. "IDH1"	
comment	Networking Module (NM)		
NMSVER	Module software version	ex: NMVER0.1.2945	
NMHVER	Module hardware version	ex: NMHVER1	
RVER	Release version	ex: RVER0.2.2945	
RBD	Release build date		
NMR	Module region		
WMAC	Wi-Fi MAC address	ex: 01.23.45.67.89.AB	
EMAC	Ethernet MAC address	ex: 01.23.45.67.89.AB	
NMST	Network status	ex: 192.168.1.54 or 'Up' or 'Down' or 'Connecting'. Up to 32 characters	
comment	Upper case letters represent command, lower case represent variables which must be entered.		
Z1VIR?	System Status Query video input resolution: 0=no input, 1=other, 2=1080p60, 3=1080p50, 4=1080p24, 5=1080i60, 6=1080i50, 7=720p60, 8=720p50, 9=576p50, 10=576i50, 11=480p60, 12=480i60, 13=3D, 14=4k60, 15=4k50, 16=4k24	returns Z1VIRxx	yes
Z1IRH?	Query active horizontal video resolution (in pixels)	return Z1IRHxxxx	yes
Z1IRV?	Query active vertical video resolution (in pixels/lines)	return Z1IRVxxxx	yes
Z1AIC?	Query audio input channels: 0=no input, 1=other, 2=mono (center channel only), 3=2-channel, 4=5.1-channel, 5==7.1-channel, 6=Atmos, 7=DTS-X	returns Z1AICx	yes
Z1AIF?	Query audio input format: 0=no input, 1=Analog, 2=PCM, 3=Dolby, 4= DSD, 5=DTS, 6=Atmos, 7=DTS-X.		yes
Z1BRT?	Query audio input bit rate (kbps). For Analog/PCM inputs this is equal to the sample rate multiplied by the bit depth and the number of channels	returns Z1BRTxxxx, 0=analog	yes
Z1SRT?	Query audio input sampling rate (kHz)	returns Z1SRTxxx, 0=analog direct	yes

Z1BDP? Z1AIN?			
7.1 A T N 2	Query audio bit depth	returns Z1BDPxxx, 16-bit, 24-bit, 32-bit	yes
	Ouery the current audio input name (maximum of 16 characters returned)	Returns Z1AINx. Ex:	yes
	Query the current addro input hame (maximum of 16 characters returned)	Current audio input	yes
		format is DTS Master	
		Audio. 'Z1AIN?' Returns	
		'Z1AINDTS Master Audio'	
Z1AIR?	Query the current audio input rate name (maximum of 16 characters	Returns Z1AIRx. For lossy	yes
ZIAIK:	returned).	input formats, returns	yes
	returned).	the bit rate (ex	
		'Z1AIR384 kbps'). For	
		lossless audio, analog	
		audio, or PCM audio inputs it returns the	
		sample rate combined with	
		bit depth (ex:	
		Z1AIR48/16).	
		ZIAIR40/10/.	
comment	Speaker Setup - Amp Matrixing		
SSAMF	Front:	SSAMF? returns SSAMFy	yes
	MRX740 only: y=0 Front, y=1 Zone 2, y=2 Height 1, y=3 Height 2		, , , ,
	MRX1140 only: y=0 Front, y=1 Zone 2, y=2 Front Wide, y=3 Height 3		
SSAMS	Surround:	SSAMS? returns SSAMSy	yes
DDI II ID	MRX740 only: y=0 Surround, y=1 Zone 2, y=2 Height 2	Bornie: Teedriff Bornie,	100
	MRX1140 only: y=0 Surround, y=1 Zone 2, y=2 Height 3		
SSAMB	Back:	SSAMB? returns SSAMBy	yes
	MRX740 only: y=0 Back, y=1 Zone 2, y=2 Zone 2 On Demand, y=3 Height 1,		2
	y=4 Front (Bi-Amp)		
	MRX1140 only: y=0 Back, y=1 Zone 2, y=2 Zone 2 On Demand, y=3 Front		
	Wide, y=4 Front (Bi-Amp)		
SSAMH1	Height 1:	SSAMH1? returns SSAMH1y	yes
	MRX1140 only: y=0 Height 1, y=1 Zone 2, y=2 Front (Bi-Amp)		
SSAMH2	Height 2:	SSAMH2? returns SSAMH2y	yes
	MRX1140 only: y=0 Height 2, y=1 Zone 2, y=2 Front Wide, y=3 Front (Bi-		
	Amp)		
comment	Speaker Setup - 3D Sound		
SS3DHLy	Height (MRX 540 only) y=0 Height (Atmos), y=1 Back (No Atmos)	SS3DHL? returns SS3DHLy	
SS3DH1y	Height 1 y=0 Front In-Ceiling, y=1 Front Dolby, y=2 Front On-Wall, y=3	SS3DH1: returns SS3DH1y	
эээрнгу	Middle In-Ceiling, y=4 Middle Dolby, y=5 Back In-Celing, y=6 Back	SSSDHI: Tecurins SSSDHIY	
	Dolby, y=7 Back On-Wall, y=8 Off		
SS3DH2y	Height 2 (MRX 740/1140, AVM 70/90) y=0 Middle In-Ceiling, y=1 Middle	SS3DH2? returns SS3DH2y	
SSSBIIZ Y	Dolby, y=2 Back In-Celing, y=3 Back Dolby, y=4 Back On-Wall, y=5 Off	Bosbiiz. Tecaring Bosbiizy	
	both, 1-1 back in certag, 1-3 back both, 1-1 back on warr, 1-3 or		
SS3DH3y	Height 3 (MRX 1140, AVM 70/90) y=0 Back In-Celing, y=1 Back Dolby, y=2	SS3DH3? returns SS3DH3v	
	Back On-Wall, y=3 Off		
-			
_			
comment	Profile Setup - Speaker Setup		
comment	Profile Setup - Speaker Setup p is the profile number: 1 - 4		
comment SSSPp0yyy		SSSPp0? returns SSSPp0yyy	yes
SSSPp0yyy	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters.	SSSPp0? returns SSSPp0yyy	yes
	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer	SSSPp0? returns SSSPp0yyy SSSPp1y? returns SSSPp1y	yes
SSSPp0yyy	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On		
SSSPp0yyy	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2		-
SSSPp0yyy SSSPp1y	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4	SSSPply? returns SSSPply	-
SSSPp0yyy SSSPp1y SSSPp5y	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4 Front (read only) y=1 On	SSSPp1y? returns SSSPp1y SSSPp5y? returns SSSPp5y	-
SSSPp0yyy SSSPp1y SSSPp5y SSSPp6y	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4 Front (read only) y=1 On Front Wide MRX 1140, AVM 70/90 only) y=0 Off, y=1 On	SSSPp1y? returns SSSPp1y SSSPp5y? returns SSSPp5y SSSPp6y? returns SSSPp6y	yes
SSSPp0yyy SSSPp1y SSSPp5y SSSPp6y SSSPp7y	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4 Front (read only) y=1 On Front Wide MRX 1140, AVM 70/90 only) y=0 Off, y=1 On Center y=0 Off, y=1 On	SSSPp1y? returns SSSPp1y SSSPp5y? returns SSSPp5y SSSPp6y? returns SSSPp6y SSSPp7y? returns SSSPp7y	yes
SSSPp0yyy SSSPp1y SSSPp5y SSSPp6y	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4 Front (read only) y=1 On Front Wide MRX 1140, AVM 70/90 only) y=0 Off, y=1 On Center y=0 Off, y=1 On Surround y=0 Off, y=1 On	SSSPp1y? returns SSSPp1y SSSPp5y? returns SSSPp5y SSSPp6y? returns SSSPp6y	yes yes
SSSPp0yyy SSSPp1y SSSPp5y SSSPp6y SSSPp7y	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4 Front (read only) y=1 On Front Wide MRX 1140, AVM 70/90 only) y=0 Off, y=1 On Center y=0 Off, y=1 On	SSSPp1y? returns SSSPp1y SSSPp5y? returns SSSPp5y SSSPp6y? returns SSSPp6y SSSPp7y? returns SSSPp7y	yes yes yes
SSSPp0yyy SSSPp1y SSSPp5y SSSPp6y SSSPp7y SSSPp8y	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4 Front (read only) y=1 On Front Wide MRX 1140, AVM 70/90 only) y=0 Off, y=1 On Center y=0 Off, y=1 On Surround y=0 Off, y=1 On	SSSPp1y? returns SSSPp1y SSSPp5y? returns SSSPp5y SSSPp6y? returns SSSPp6y SSSPp7y? returns SSSPp7y SSSPp8y? returns SSSPp8y	yes yes yes yes yes
SSSPp0yyy SSSPp1y SSSPp5y SSSPp6y SSSPp7y SSSPp8y SSSPp8y SSSPp9y	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4 Front (read only) y=1 On Front Wide MRX 1140, AVM 70/90 only) y=0 Off, y=1 On Center y=0 Off, y=1 On Surround y=0 Off, y=1 On Back y=0 Off, y=1 On	SSSPp1y? returns SSSPp1y SSSPp5y? returns SSSPp5y SSSPp6y? returns SSSPp6y SSSPp7y? returns SSSPp7y SSSPp8y? returns SSSPp8y SSSPp9y? returns SSSPp9y	yes yes yes yes yes yes
SSSPp0yyy SSSPp1y SSSPp5y SSSPp6y SSSPp7y SSSPp8y SSSPp9y SSSPp9y	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4 Front (read only) y=1 On Front Wide MRX 1140, AVM 70/90 only) y=0 Off, y=1 On Center y=0 Off, y=1 On Surround y=0 Off, y=1 On Back y=0 Off, y=1 On Height 1 y=0 Off, y=1 On	SSSPp1y? returns SSSPp1y SSSPp5y? returns SSSPp5y SSSPp6y? returns SSSPp6y SSSPp7y? returns SSSPp7y SSSPp8y? returns SSSPp8y SSSPp9y? returns SSSPp9y SSSPpAy? returns SSSPpAy	yes yes yes yes yes yes yes
SSSPp0yyy SSSPp1y SSSPp5y SSSPp6y SSSPp7y SSSPp8y SSSPp9y SSSPpAy SSSPpBy	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4 Front (read only) y=1 On Front Wide MRX 1140, AVM 70/90 only) y=0 Off, y=1 On Center y=0 Off, y=1 On Surround y=0 Off, y=1 On Back y=0 Off, y=1 On Height 1 y=0 Off, y=1 On Height 2 (MRX 740/1140, AVM 70/90) y=0 Off, y=1 On	SSSPp1y? returns SSSPp1y SSSPp5y? returns SSSPp5y SSSPp6y? returns SSSPp6y SSSPp7y? returns SSSPp7y SSSPp8y? returns SSSPp8y SSSPp9y? returns SSSPp9y SSSPpAy? returns SSSPpAy SSSPpBy? returns SSSPpBy	yes yes yes yes yes yes yes yes
SSSPp0yyy SSSPp1y SSSPp5y SSSPp6y SSSPp7y SSSPp8y SSSPp9y SSSPpAy SSSPpBy	p is the profile number: 1 - 4 Speaker Profile name of the specified profile number. yyy=16 characters. Subwoofer MRX 540/740: y=0 Off, y=1 On MRX 1140, AVM 70: y=0 None, y=1 to 2 AVM 90: y=0 None, y=1 to 4 Front (read only) y=1 On Front Wide MRX 1140, AVM 70/90 only) y=0 Off, y=1 On Center y=0 Off, y=1 On Surround y=0 Off, y=1 On Back y=0 Off, y=1 On Height 1 y=0 Off, y=1 On Height 2 (MRX 740/1140, AVM 70/90) y=0 Off, y=1 On	SSSPp1y? returns SSSPp1y SSSPp5y? returns SSSPp5y SSSPp6y? returns SSSPp6y SSSPp7y? returns SSSPp7y SSSPp8y? returns SSSPp8y SSSPp9y? returns SSSPp9y SSSPpAy? returns SSSPpAy SSSPpBy? returns SSSPpBy	yes yes yes yes yes yes yes yes

BMSPp0y	LFE Low Pass Filter y=40 to 120 (Hz) step 10, y=130 Bypass	BMSPp0? returns BMSPp0y	yes
BMSPp10y	Subwoofer 1 Phase Frequency y=40 to 120 (Hz)	BMSPp10? returns BMSPp10y	yes
Brist proy	bubwooler i made requestoy y-40 to 120 (112)	Bristpio. Iceanis Bristpioy	yes
BMSPp11y	Subwoofer 1 Phase y=0 to 180 (degrees) step 1	BMSPp11? returns BMSPp11y	yes
BMSPp12y	Subwoofer 1 Polarity y=0 Normal, y=1 Inverted	BMSPp12? returns BMSPp12y	yes
BMSPp20y	Subwoofer 2 Phase Frequency (MRX 1140, AVM 70/90 only) y=40 to 120 (Hz)	BMSPp20? returns BMSPp20y	yes
BMSPp21y	Subwoofer 2 Phase (MRX 1140, AVM 70/90 only) y=0 to 180 (degrees) step	BMSPp21? returns BMSPp21y	yes
BMSPp22y	Subwoofer 2 Polarity (MRX 1140, AVM 70/90 only) y=0 Normal, y=1 Inverted	BMSPp22? returns BMSPp22y	yes
BMSPp30y	Subwoofer 3 Phase Frequency (AVM 90 only) y=40 to 120 (Hz)	BMSPp30? returns BMSPp30y	yes
BMSPp31y	Subwoofer 3 Phase (AVM 90 only) y=0 to 180 (degrees) step 1	BMSPp31? returns BMSPp31y	yes
BMSPp32y	Subwoofer 3 Polarity (AVM 90 only) y=0 Normal, y=1 Inverted	BMSPp32? returns BMSPp32y	yes
BMSPp40y	Subwoofer 4 Phase Frequency (AVM 90 only) y=40 to 120 (Hz)	BMSPp40? returns BMSPp40y	yes
BMSPp41y	Subwoofer 4 Phase (AVM 90 only) y=0 to 180 (degrees) step 1	BMSPp41? returns BMSPp41y	yes
BMSPp42y	Subwoofer 4 Polarity (AVM 90 only) y=0 Normal, y=1 Inverted	BMSPp42? returns BMSPp42y	yes
BMSPp5y	Front Crossover y=30 Off, 40 to 250 (Hz) step 10	BMSPp5? returns BMSPp5y	yes
BMSPp6y	Front Wide Crossover (MRX 1140, AVM 70/90 only) y=30 Off, 40 to 250	BMSPp6? returns BMSPp6y	yes
21.01 p 0 j	(Hz) step 10	Energy reduing Energy	100
BMSPp7y	Center Crossover y=30 Off, 40 to 250 (Hz) step 10	BMSPp7? returns BMSPp7y	yes
BMSPp8y	Surround Crossover y=30 Off, 40 to 250 (Hz) step 10	BMSPp8? returns BMSPp8y	yes
BMSPp9y	Back Crossover y=30 Off, 40 to 250 (Hz) step 10	BMSPp9? returns BMSPp9y	yes
BMSPpAy	Height 1 Crossover y=30 Off, 40 to 250 (Hz) step 10	BMSPpA? returns BMSPpAy	
	Height 2 Crossover (MRX 740/1140, AVM 70/90 only) y=30 Off, 40 to 250		yes
BMSPpBy	(Hz) step 10	BMSPpB? returns BMSPpBy	yes
BMSPpCy	Height 3 Crossover (MRX 1140, AVM 70/90 only) y=30 Off, 40 to 250 (Hz) step 10	BMSPpC? returns BMSPpCy	yes
BMSPpDy	Super Sub Fronts y=0 No, y=1 Yes	BMSPpD? returns BMSPpDy	yes
comment	Profile Setup - Listener Position		
	p is the profile number: 1 - 4		
LPSPp1y	Subwoofer (1) Distance y=0 to 180	LPSPp1? returns LPSPp1y	yes
погрту	Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	Bisipi. Iccums Bisipiy	yes
LPSPp2y	Subwoofer 2 Distance (MRX 1140, AVM 70/90 only) y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	LPSPp2? returns LPSPp2y	yes
LPSPp3y	Subwoofer 3 Distance (AVM 90 only) y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	LPSPp3? returns LPSPp3y	yes
LPSPp4y	Subwoofer 4 Distance (AVM 90 only) y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	LPSPp4? returns LPSPp4y	yes
LPSPp5y	Front Left Distance y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	LPSPp5? returns LPSPp5y	yes
LPSPp6y	Front Right Distance y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	LPSPp6? returns LPSPp6y	yes
LPSPp7y	Front Wide Left Distance (MRX 1140, AVM 70/90 only) y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	yLPSPp7? returns LPSPp7	yes
LPSPp8y	Front Wide Right Distance (MRX 1140, AVM 70/90 only) y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	yLPSPp8? returns LPSPp8	yes
LPSPp9y	Center Distance y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	LPSPp9? returns LPSPp9y	yes
LPSPpAy	Surround Left Distance y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	LPSPpA? returns LPSPpAy	yes
LPSPpBy	Surround Right Distance y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	LPSPpB? returns LPSPpBy	yes
LPSPpCy	Back Left Distance y=0 to 180 Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm	LPSPpC? returns LPSPpCy	yes
LPSPpDy	Back Right Distance y=0 to 180	LPSPpD? returns LPSPpDy	yes
- 5-1	Feet: 0'0" to 30'0", step 2"; Metric: 0 to 900 cm, step 5 cm		,
L	·	1	

Feet: 0.0° to 30.0°, step 2°; Metric: 0 to 900 cm, step 5 cm				
LDSDPPY Beight 1 Right Distance y-0 to 180 Poet: 0'0' to 30'0", step 2", Metric: 0 to 900 cm, step 5 cm LDSDPSO Height 2 Left Distance (MMX 740/1140, AVM 70/90 only) y-0 to 180 LDSDPSO Height 2 Left Distance (MMX 740/1140, AVM 70/90 only) y-0 to 180 LDSDPSO Height 2 Right Distance (MMX 740/1140, AVM 70/90 only) y-0 to 180 LDSDPP Height 2 Right Distance (MMX 740/1140, AVM 70/90 only) y-0 to 180 LDSDPP Teturns LDSDPDY yes LDSDPP Height 3 Right Distance (MMX 1140, AVM 70/90 only) y-0 to 180 LDSDPP Teturns LDSDPDY yes LDSDPDY Height 3 Laft Distance (MMX 1140, AVM 70/90 only) y-0 to 180 LDSDPT Teturns LDSDPDY yes LDSDPDY LDSDPY Height 3 Right Distance (MMX 1140, AVM 70/90 only) y-0 to 180 LDSDPT Teturns LDSDPJY yes LDSDPDY LDSDP Teturns LDSDP Teturns LDSDPJY yes LDSDPDY LDSDP Teturns LDSDP Teturn	LPSPpEy	Height 1 Left Distance y=0 to 180	LPSPpE? returns LPSPpEy	yes
Peet: 0'0' to 30'0', step 2", Metric: 0 to 900 cm, step 5 cm				
LBSPSPY Meight 2 Left Distance (MEX 740/1140, AVM 70/90 only) y=0 to 180 Peet; 0.0° to 30.0°, stop 27°, Metric: 0 to 500 cm, stop 5 cm LBSPSPH Height 2 Sight Distance (MEX 740/1140, AVM 70/90 only) y=0 to 180 LBSPSPH Height 3 Distance (MEX 1140, AVM 70/90 only) y=0 to 180 LBSPSPH Height 3 Left Distance (MEX 1140, AVM 70/90 only) y=0 to 180 LBSPSPH Height 3 Distance (MEX 1140, AVM 70/90 only) y=0 to 180 LBSPSPH Height 3 Left Distance (MEX 1140, AVM 70/90 only) y=0 to 180 LBSPSPH Height 3 Right Distance (MEX 1140, AVM 70/90 only) y=0 to 180 LBSPSPH Height 3 Right Distance (MEX 1140, AVM 70/90 only) y=0 to 180 LBSPSPH Height 3 Right Distance (MEX 1140, AVM 70/90 only) y=0 to 180 LBSPSPH Height 3 Right Distance (MEX 1140, AVM 70/90 only) y=0 to 180 LBSPSPH Height 3 Right Distance (MEX 1140, AVM 70/90 only) y=0 to 180 COMMENT POOL 100 to 300°, stop 23°, Metric of to 500° cm, stop 5 cm p is the profile number: 1 - 4 LCSPSPH SUbwoofer (1 No.00) and to 180 LCSPSPH SUbwoofer (2 NO.00) and to 180, stop 0.5 dB LCSPSPH SUbwoofer (2 NO.00) and 190 only) y=-15 dB to 180, stop 0.5 dB LCSPSPH SUbwoofer (4 NO.00) and 190 only) y=-15 dB to 180, stop 0.5 dB LCSPSPH Subwoofer (4 NO.00) and 190 only) y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Light y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Light y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180 dB, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180 dB, stop 0.5 dB LCSPSPH Front Right y=-15 dB to 180 dB, stop 0.5 dB LCSPSPH Front Right Right Right Right Right Right Right Right Right Righ	LPSPpFy		LPSPpF? returns LPSPpFy	yes
Peet: 0'0' to 30'0', step 2'; Metric: 0 to 900 cm, step 5 cm LPSPphy Edight 2 Right Datamone MRX 470/140, AVM 70/90 only 1'y-0' to 180 Peet: 0'0' to 30'0', step 2'; Metric: 0 to 900 cm, step 5 cm Peet: 0'0' to 30'0', step 2'; Metric: 0 to 900 cm, step 5 cm Peet: 0'0' to 30'0', step 2'; Metric: 0 to 900 cm, step 5 cm Peet: 0'0' to 10'0', step 2'; Metric: 0 to 900 cm, step 5 cm Peet: 0'0' to 10'0', step 2'; Metric: 0 to 900 cm, step 5 cm Peet: 0'0' to 30'0', step 2'; Metric: 0 to 900 cm, step 5 cm Peet: 0'0	LPSPpGy		LPSPpG? returns LPSPpGy	yes
LESPHY				2
Feet: 0.07 to 30.07, step 2*, Metric: 0 to 900 cm, step 5 cm	LPSPpHv		LPSPpH? returns LPSPpHv	ves
LGSPpy Height 3 Loft Distance (MEX 1140, ANM 70/90 only) y=0 to 180 Feet: 0.0° to 50 00°, step 2°, Netric: 0 to 900 cm, step 5 cm LGSPpy Height 3 Right Distance (MEX 1140, ANM 70/90 only) y=0 to 180 Feet: 0.0° to 30°°, step 2°, Metric: 0 to 900 cm, step 5 cm Comment Profile Setup - Level Calibration p is the profile number: 1 - 4 LGSPpy Get: 0.0° to 30°°, step 2°, Metric: 0 to 900 cm, step 5 cm p is the profile number: 1 - 4 LGSPpy Subwoofer (1) y=-15 dB to +15 dB, step 0.5 dB LGSPpy Subwoofer (1) y=-15 dB to +15 dB, step 0.5 dB LGSPpy Subwoofer (1) y=-15 dB to +15 dB, step 0.5 dB LGSPpy Subwoofer 3 (AVM 90 only) y=-15 dB to +15 dB, step 0.5 dB LGSPpy Subwoofer 4 (AVM 90 only) y=-15 dB to +15 dB, step 0.5 dB LGSPpy Front Left y=-15 dB to +15 dB, step 0.5 dB LGSPpy Front Left y=-15 dB to +15 dB, step 0.5 dB LGSPpy Front Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Front Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Front Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Front Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Front Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Surround Left y=-15 dB to +15 dB, step 0.5 dB LGSPpy Surround Left y=-15 dB to +15 dB, step 0.5 dB LGSPpy Surround Left y=-15 dB to +15 dB, step 0.5 dB LGSPpy Surround Left y=-15 dB to +15 dB, step 0.5 dB LGSPpy Sack Left y=-15 dB to +15 dB, step 0.5 dB LGSPpy Sack Left y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1 Right w=-15 dB to +15 dB, step 0.5 dB LGSPpy Height 1	- 1 2			2
Peet: 0.0° to 30.0°, step 2°; Metric: 0 to 900 cm, step 5 cm	I.PSPnTv		LPSPpI? returns LPSPpIv	ves
LBSPpy Height 3 Right Distance (MEX 1140, AVM 70/90 cnly) y=0 to 180	2101917		Ersipi. Issuins Ersipi,	100
Comment Profile Setup - Level Calibration	T.DSDn.Tv		I.DSDn.T2 returns I.DSDn.Tt	VAS
p is the profile number: 1 - 4 CLSSPp1y CLSSPp1y CLSSPp1y Subwoofer (1) y15 dB to +15 dB, step 0.5 dB CLSSPp1y Subwoofer 2 (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 dB CLSSPp3y Subwoofer 3 (AVM 90 only) y15 dB to +15 dB, step 0.5 dB CLSSPp3y Subwoofer 3 (AVM 90 only) y15 dB to +15 dB, step 0.5 dB CLSSPp4y Subwoofer 4 (AVM 90 only) y15 dB to +15 dB, step 0.5 dB CLSSPp4y Front Right y15 dB to +15 dB, step 0.5 dB CLSSPp5y Front Right y15 dB to +15 dB, step 0.5 dB CLSSPp6y Front Right y15 dB to +15 dB, step 0.5 dB CLSSPp7y Front Right y15 dB to +15 dB, step 0.5 dB CLSSPp6y Front Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp7? returns LCSPp6y yes CLSSPp7y Front Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp7? returns LCSPp8y yes CLSSPp8y Front Wide Refight (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp9? returns LCSPp8y yes CLSSPp9y Center y15 dB to +15 dB, step 0.5 dB CLSSPp8y CLSSPp8y CLSSPp9y Surround Right y15 dB to +15 dB, step 0.5 dB CLSSPp8y CLSSPp9y CLSSPp9y CLSSPp9y CLSSPp9y Surround Right y15 dB to +15 dB, step 0.5 dB CLSSPp8y CLSSPp9y CLSS	шыры		Histpo. Tecums Histpoo	700
p is the profile number: 1 - 4 CLSSPp1y CLSSPp1y CLSSPp1y Subwoofer (1) y15 dB to +15 dB, step 0.5 dB CLSSPp1y Subwoofer 2 (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 dB CLSSPp3y Subwoofer 3 (AVM 90 only) y15 dB to +15 dB, step 0.5 dB CLSSPp3y Subwoofer 3 (AVM 90 only) y15 dB to +15 dB, step 0.5 dB CLSSPp4y Subwoofer 4 (AVM 90 only) y15 dB to +15 dB, step 0.5 dB CLSSPp4y Front Right y15 dB to +15 dB, step 0.5 dB CLSSPp5y Front Right y15 dB to +15 dB, step 0.5 dB CLSSPp6y Front Right y15 dB to +15 dB, step 0.5 dB CLSSPp7y Front Right y15 dB to +15 dB, step 0.5 dB CLSSPp6y Front Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp7? returns LCSPp6y yes CLSSPp7y Front Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp7? returns LCSPp8y yes CLSSPp8y Front Wide Refight (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp9? returns LCSPp8y yes CLSSPp9y Center y15 dB to +15 dB, step 0.5 dB CLSSPp8y CLSSPp8y CLSSPp9y Surround Right y15 dB to +15 dB, step 0.5 dB CLSSPp8y CLSSPp9y CLSSPp9y CLSSPp9y CLSSPp9y Surround Right y15 dB to +15 dB, step 0.5 dB CLSSPp8y CLSSPp9y CLSS	comment	Profile Setup - Level Calibration		
LCSPpDY Calibration Level y15 dB to +15 dB, step 0.5 dB		-		
LGSPply Subwoofer (1) y=-15 dB to +15 dB, step 0.5 dB	T CCDnOx		ICCDD02 roturng ICCDD04	T/OC
LCSPp2y Subwoofer 2 (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp2y returns LCSPp2y yes LCSPp3y Subwoofer 3 (AVM 90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp3? returns LCSPp3y yes LCSPp4y Subwoofer 4 (AVM 90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp4? returns LCSPp4y yes LCSPp4y Pront Left y=-15 dB to +15 dB, step 0.5 dB LCSPp5? returns LCSPp5y yes LCSPp5y Pront Wide Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 LCSPp5? returns LCSPp5y yes dB LCSPp5 Pront Wide Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 LCSPp6? returns LCSPp5y yes 0.5 dB LCSPp5? returns LCSPp5y yes 0.5 dB LCSPp6 Pront Wide Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp6? returns LCSPp6 yes 0.5 dB LCSPp6 Surround Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6? returns LCSPp6 yes 0.5 dB LCSPp6 Surround Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6 returns LCSPp6 yes LCSPp6 Back Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6 returns LCSPp6 yes LCSPp6 Back Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6 returns LCSPp6 yes LCSPp6 Back Left y=-15 dB to +15 dB, step 0.5 dB LCSPp7 returns LCSPp6 yes LCSPp6 Back Left y=-15 dB to +15 dB, step 0.5 dB LCSPp7 returns LCSPp6 yes LCSPp8 Height 1 Left y=-15 dB to +15 dB, step 0.5 dB LCSPp7 returns LCSPp6 yes LCSPp6 Back Left y=-15 dB to +15 dB, step 0.5 dB LCSPp7 returns LCSPp6 yes LCSPp6 Beight 1 Left (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp7 returns LCSPp6 yes 0.5				
LCSPp3y Subwoofer 3 (AVM 90 only) y=-15 dB to +15 dB, step 0.5 dB				
LGSPp4y Subwoofer 4 (AVM 90 only) y15 dB to +15 dB, step 0.5 dB	LCSPp2y	Subwoofer 2 (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB	LCSPp2? returns LCSPp2y	yes
LGSPp4y Subwoofer 4 (AVM 90 only) y15 dB to +15 dB, step 0.5 dB	LCSPp3y	Subwoofer 3 (AVM 90 only) y=-15 dB to +15 dB, step 0.5 dB	LCSPp3? returns LCSPp3y	yes
LGSPp5y Front Left y15 dB to +15 dB, step 0.5 dB	LCSPp4y			
LCSPpSy Front Right y=-15 dB to +15 dB, step 0.5 dB LCSPp7y Front Wide Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 LCSPp7? returns LCSPp8y yes LCSPp8y Front Wide Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 LCSPp8? returns LCSPp8y yes LCSPp8y Center y=-15 dB to +15 dB, step 0.5 dB LCSPp8y Surround Left y=-15 dB to +15 dB, step 0.5 dB LCSPp8y Surround Right y=-15 dB to +15 dB, step 0.5 dB LCSPp8y Surround Right y=-15 dB to +15 dB, step 0.5 dB LCSPp6y Back Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6y Back Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6y Back Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6y Reight 1 Left y=-15 dB to +15 dB, step 0.5 dB LCSPp8y Height 1 Left y=-15 dB to +15 dB, step 0.5 dB LCSPp8y Height 1 Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6y Height 2 Left (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp7y Height 2 Right (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp8y Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp8y Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp7y Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp8y Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp8y Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPp8y Testurns LCSPp8y yes 0.5 dB LCSPp8y Testurns LCSPp7y yes 0.5 dB LCSPp7y Testurns LCSPp7y yes 0			1 1	
LCSPp7y Front Wide Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB				-
CSPPBY Pront Wide Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step LCSPp8? returns LCSPp8y yes 0.5 dB LCSPp9y Center y=-15 dB to +15 dB, step 0.5 dB LCSPp3? returns LCSPp3y yes LCSPp8y Surround Left y=-15 dB to +15 dB, step 0.5 dB LCSPp3? returns LCSPp3y yes LCSPp8y Surround Left y=-15 dB to +15 dB, step 0.5 dB LCSPp3? returns LCSPp3y yes LCSPp4y Surround Right y=-15 dB to +15 dB, step 0.5 dB LCSPp6? returns LCSPp3y yes LCSPp4y Back Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6? returns LCSPp5y yes LCSPp5y Back Right y=-15 dB to +15 dB, step 0.5 dB LCSPp6? returns LCSPp5y yes LCSPp5y Height 1 Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6? returns LCSPp5y yes LCSPp5y Height 1 Left y=-15 dB to +15 dB, step 0.5 dB LCSPp6? returns LCSPp5y yes LCSPp6y Height 2 Left (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step LCSPp6? returns LCSPp6y yes UCSPp6y Height 2 Right (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step LCSPp6? returns LCSPp6y yes UCSPp1y Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step LCSPp1? returns LCSPp6y yes UCSP5y Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step LCSPp1? returns LCSPp1y yes dB LCSPp1y Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 LCSPp1? returns LCSPp1y yes dB LCSPp1y Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 LCSP5? returns LCSP5P1y yes dB LCSP5 LCSP5 LCSP5 Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSP5? returns LCSP5 yes dB LCSP5 Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSP5 Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSP5 Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSP5 Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSP5 Test Noise y=0 Off, y=1 On. Only one profile can have				_
O.S dB LCSPp9y Center y15 dB to +15 dB, step 0.5 dB LCSPp8y Surround Left y15 dB to +15 dB, step 0.5 dB LCSPp8y Surround Left y15 dB to +15 dB, step 0.5 dB LCSPp0y Surround Right y15 dB to +15 dB, step 0.5 dB LCSPp0y Back Left y15 dB to +15 dB, step 0.5 dB LCSPp0y Back Left y15 dB to +15 dB, step 0.5 dB LCSPp0y Back Right y15 dB to +15 dB, step 0.5 dB LCSPp0y Pesturns LCSPp0y yes LCSPp1y Height 1 Left y15 dB to +15 dB, step 0.5 dB LCSPp0y Reight 1 Left y15 dB to +15 dB, step 0.5 dB LCSPp0y Reight 1 Left y15 dB to +15 dB, step 0.5 dB LCSPp0y Reight 2 Left (MRX 740/1140, AVM 70/90 only) y15 dB to +15 dB, step O.5 dB LCSPp0y Reight 2 Right (MRX 740/1140, AVM 70/90 only) y15 dB to +15 dB, step O.5 dB LCSPp1y Height 3 Left (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step O.5 dB LCSPp1y Height 3 Left (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step O.5 dB LCSPp1y Reight 3 Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step O.5 dB LCSPp1y Height 3 Left (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp1? returns LCSPp1y yes dB LCSPp1y Teight 3 Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp1? returns LCSPp1y yes dB LCSPp3y Teight (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp1? returns LCSPp1y yes dB LCSPp4y Teight 3 Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp1? returns LCSPp1y yes dB LCSPp4y Teight 3 Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp1? returns LCSPp1y yes dB LCSPp5y Teight 3 Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp1? returns LCSPp1y yes dB LCSPp5y Teight 3 Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp1? returns LCSPp1y yes dB LCSPp5y Teight 3 Right (MRX 1140, AVM 70/90 only) y15 dB to +15 dB, step 0.5 LCSPp1? returns LCSPp1y yes dB LCSPp5y Teight 1 Left y15 dB LCSPp7y Teight 1 Left y15 dB LCS	LCSPp7y		LCSPp/? returns LCSPp/y	yes
LCSPpAy Surround Left y=-15 dB to +15 dB, step 0.5 dB	LCSPp8y		LCSPp8? returns LCSPp8y	yes
LCSPpAy Surround Left y=-15 dB to +15 dB, step 0.5 dB	LCSPp9y	Center y=-15 dB to +15 dB, step 0.5 dB	LCSPp9? returns LCSPp9y	yes
LCSPpBy Surround Right y=-15 dB to +15 dB, step 0.5 dB				
LCSPPCY Back Left y=-15 dB to +15 dB, step 0.5 dB LCSPpDV Back Right y=-15 dB to +15 dB, step 0.5 dB LCSPpDV Back Right y=-15 dB to +15 dB, step 0.5 dB LCSPPDV Height 1 Left y=-15 dB to +15 dB, step 0.5 dB LCSPPSV Height 1 Left y=-15 dB to +15 dB, step 0.5 dB LCSPPSV Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LCSPPSV Height 2 Left (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPPSV Height 2 Right (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPPSV Height 2 Right (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPPJV Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPPJV Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPPJV Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 DCSPPJV Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 DCSPPJV Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 DCSPPJV Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 DCSPPJV Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 DCSPPJV RIGHT 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 DCSPPJV RIGHT 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 DCSPPJV RIGHT 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 DCSPPJV RIGHT 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 DCSPPJV RIGHT 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 DCSPPJV RIGHT 3 RIGHT				
LCSPpDy Back Right y=-15 dB to +15 dB, step 0.5 dB				
LCSPpEy Height 1 Left y=-15 dB to +15 dB, step 0.5 dB LCSPpFy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LCSPpFy Height 2 Left (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpGy Height 2 Left (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpHy Height 2 Right (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpHy Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpIy Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Teturns LCSPpJy yes dB LCSPpJy Teturns LCSPpJy yes dB LCSPpJy Teturns LCSPpJy yes dB LCSPpKy Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSPpK? returns LCSPpKy yes at a time. Comment Input Setup i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" yes input configurations. IIAIi Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAIi Delete input number. Shift all higher numbered inputs up. ISIINyyyy The name of the input yyyy is 16 characters 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.				
LCSPpFy Height 1 Right y=-15 dB to +15 dB, step 0.5 dB LCSPpGy Height 2 Left (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpHy Height 2 Right (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpHy Height 2 Right (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpHy Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpKy Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSPpKy returns LCSPpJy yes at a time. Comment Input Setup i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" for a system with 9 active input salues are assigned. IDAII Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAII Delete input number. Shift all higher numbered inputs up. The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters LCSPpKy returns LCSPpFy yes 1 characters LCSPpKy returns LCSPpHy yes 1 characters Treturns ICNyy e.g. "ICN9" for a system with 9 active inputs The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input number. Shift all higher numbered inputs up.		5 1		
LCSPpGy Height 2 Left (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpHy Height 2 Right (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpIy Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpIy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpXy Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSPpX; returns LCSPpJy yes at a time. comment Input Setup i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" yes input configurations. IIAII Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAII Delete input number. Shift all higher numbered inputs up. ISIINyyyy The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input number. Shift all higher numbered inputs up. Assign the setup menu. Maximum length of the long input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.				_
LCSPpHy Height 2 Right (MRX 740/1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpIy Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSPpJ? returns LCSPpJy yes at a time. Comment Input Setup i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 input configurations. ITAII Insert input number: Shift all higher numbered inputs down. Default values are assigned. IDAII Delete input number. Shift all higher numbered inputs up. The name of the input yyyy is 16 characters The name of the input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	LCSPpFy			yes
LCSPpIy Height 3 Left (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpKy Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSPpK? returns LCSPpKy yes at a time. comment Input Setup i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" for a system with 9 active input configurations. ITAII Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAII Delete input number. Shift all higher numbered inputs up. The name of the input yyyy is 16 characters Yes 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	LCSPpGy		LCSPpG? returns LCSPpGy	yes
LCSPpJy Height 3 Right (MRX 1140, AVM 70/90 only) y=-15 dB to +15 dB, step 0.5 dB LCSPpKy Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active at a time. Comment Input Setup i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 input configurations. ITALI Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAII Delete input number. Shift all higher numbered inputs up. ISIINyyyy The name of the input yyyy is 16 characters ISIINyyyy Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	LCSPpHy		LCSPpH? returns LCSPpHy	yes
dB LCSPpKy Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active LCSPpK? returns LCSPpKy yes at a time. comment Input Setup i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" yes input configurations. INAII Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAII Delete input number. Shift all higher numbered inputs up. ISiINyyyy The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters	LCSPpIy		LCSPpI? returns LCSPpIy	yes
Test Noise y=0 Off, y=1 On. Only one profile can have Test Noise active at a time. Comment Input Setup i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" yes input configurations. IIAII Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAII Delete input number. Shift all higher numbered inputs up. ISiINyyyy The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name is 16 ASCII characters.	LCSPpJy	I _	LCSPpJ? returns LCSPpJy	yes
at a time. Comment Input Setup i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" yes input configurations. IIAIi Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAIi Delete input number. Shift all higher numbered inputs up. ISiINyyyy The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters The name of the input yyyy is 16 characters Teturns 'ISiINyyyy' where 'yyyy' = Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	LCSPpKv		LCSPpK? returns LCSPpKy	ves
i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" yes input configurations. ITAII Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAII Delete input number. Shift all higher numbered inputs up. ISiINyyyy The name of the input yyyy is 16 characters returns 'ISiINyyyy' where 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	2001 pity		Doorphi, Tooding Doorphi,	700
i is the input number: 1 to ZZ, the number of configured inputs (max 30) ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" yes input configurations. ITAII Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAII Delete input number. Shift all higher numbered inputs up. ISiINyyyy The name of the input yyyy is 16 characters returns 'ISiINyyyy' where 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	<u> </u>			
ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" yes input configurations. IIAIi Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAIi Delete input number. Shift all higher numbered inputs up. ISiINyyyy The name of the input yyyy is 16 characters returns 'ISiINyyyy' where 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	comment			
ICN? Query number of active input configurations. The system supports 30 returns ICNyy e.g. "ICN9" yes input configurations. IIAIi Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAIi Delete input number. Shift all higher numbered inputs up. ISiINyyyy The name of the input yyyy is 16 characters returns 'ISiINyyyy' where 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.		l .		
input configurations. for a system with 9 active inputs ITAII Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDAII Delete input number. Shift all higher numbered inputs up. ISIINyyyy The name of the input yyyy is 16 characters returns 'ISIINyyyy' where 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	ICN?		returns ICNvv e.g. "ICN9"	ves
ITALI Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDALI	1011.			100
ITATI Insert input number. Shift all higher numbered inputs down. Default values are assigned. IDATI Delete input number. Shift all higher numbered inputs up. ISIINyyyy The name of the input yyyy is 16 characters returns 'ISIINyyyy' where 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.		Tinpac contiguiacions.	-	
values are assigned. IDAIi Delete input number. Shift all higher numbered inputs up. ISiINyyyy The name of the input yyyy is 16 characters returns 'ISiINyyyy' where 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	TTAT:	Ingert input number Chift all higher numbered inputs down Default	accive inpucs	
IDAIi Delete input number. Shift all higher numbered inputs up. ISiINyyyy The name of the input yyyy is 16 characters returns 'ISiINyyyy' where 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	TTALL			
The name of the input yyyy is 16 characters returns 'ISiINyyyy' where 'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.	TDAT	-		
'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16 ASCII characters.				
	ISIINYYYY	The name of the input yyyy is 16 characters	'yyyy'= Input name as set in the setup menu. Maximum length of the long input name is 16	yes
ISIVIDX Video Input Jack x=0 None, x=1 to 7 HDMI 1 to 7 ISiVID? returns IsiVIDx yes				
	ISiVIDx	Video Input Jack x=0 None, x=1 to 7 HDMI 1 to 7	ISIVID? returns IsiVIDx	yes

ISiAIJx	Total Transport Total or O Nicola or 1 IIDMT		
	Audio Input Jack x=0 None, x=1 HDMI	ISiAIJ? returns IsiAIJx	yes
	MRX 540/740/1140 only: x=2 HDMI eARC, x=3 Digital Coaxial 1, x=4		
	Digital Coaxial 2, x=5 Digital Optical 1, x=6 Digital Optical 2, x=7		
	Digital Optical 3, x=8 Analog 1, x=9 Analog 2, x=10 Analog 3, x=11		
	Analog 4, x=12 Analog 5, x=13 Streaming, x=14 Bluetooth		
	AVM 70/90 only: x=2 HDMI Audio Return Channel, x=3 Digital Coaxial 1,		
	x=4 Digital Coaxial 2, x=5 Digital Optical 1, x=6 Digital Optical 2,		
	x=7 Digital Optical 3, x=8 Analog 1, x=9 Analog 2, x=10 Analog 3, x=11		
	Analog 4, x=12 Phono (MM), x=13 Streaming, x=14 Bluetooth		
ISiCAx	Convert Analog	ISiCA? returns IsiCAx	
	MRX 540/740/1140 x=0 No, x=1 32/96 kHz		
	AVM 70/90 x=0 No, x=1 48/96/192 kHz		
ISiSPp	Set Speaker Profile to # p for profile 1 (p=1), profile 2 (p=2),	ISiSP? returns ISiSPp	yes
тотогр	profile 3 (p=3) and profile 4 (p=4) for the Input # i (i=1-ZZ where ZZ	ISIST: Tecuris ISISTP	усь
	is the number of active input configurations).		
TC: ADC		TGiADG2 maturena TaiADG	
ISiARCx	Anthem Room Correction x=0 Off, x=1 On. ARC must have been performed.	ISiARC? returns IsiARCx	yes
ISiRFx	Rumble Filter (AVM 70/90 only) x=0 Off, x=1 On	ISiRF? returns IsiRFx	WOG
	_		yes
ISiDVx	Set Dolby Audio Post-Processing off (x=0), Movie (x=1), Music (x=2) or	ISiDV? returns ISiDVx	yes
	Night (x=3) for the input i.		
ISiPMx	Mode Pre-set for Mono Source x=0 Mono, x=1 Last Used, x=2 All Channel	ISiPM? returns IsiPMx	yes
	Mono		
ISiPSx	Mode Pre-set for Stereo Source	ISiPS? returns IsiPSx	yes
	x=0 None, x=1 Last Used, x=2 AnthemLogic-Cinema, x=3 AnthemLogic-Music,		
	x=4 Dolby Surround, x=5 DTS Neural:X, x=6 DTS Virtual:X, x=7 All		
	Channel Stereo, x=8 Mono, x=9All Channel Mono		
ISiPCx	Mode Pre-set for Multi-Channel Source	ISiPC? returns IsiPCx	yes
	x=0 None, x=1 Last Used, x=2 Dolby Surround, x=3 DTS Neural:X, x=4 DTS		
	Virtual:X, x=5 All Channel Stereo, x=6 Mono, x=7 All Channel Mono		
ISiLSxxx	Set Lip Sync to xxx (0-150) ms for the Input # i (i=1-ZZ where ZZ is	ISiLS? returns ISiLSxxx	yes
	the number of active input configurations). Step must be in increments		1 - 10
	of 5ms or error will result.		
	of same of criot will repair.		
TCiTTy	Input Trim v12 dR to +12 dR step 0.5 dR	TGiTT2 returns TsiTTy	VAG
ISiITx	Input Trim x= -12 dB to +12 dB, step 0.5 dB	ISiIT? returns IsiITx	yes
_		ISiIT? returns IsiITx	yes
comment	General Configuration - Preferences		
_	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French,		yes
comment GCLx	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian	GCL? returns GCLx	yes
comment GCLx GCTZccc	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00	GCL? returns GCLx GCTZ? returns GCTZccc	yes
comment GCLx GCTZccc GCBUx	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx	yes yes
comment GCLx GCTZccc GCBUx GCDUx	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx	yes
comment GCLx GCTZccc GCBUx	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx	yes yes
comment GCLx GCTZccc GCBUx GCDUx GCFPBx	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30%	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100)	yes yes yes
comment GCLx GCTZccc GCBUx GCDUx	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%)</front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx	yes yes yes
comment GCLx GCTZccc GCBUx GCDUx GCFPBx	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30%	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100)	yes yes yes yes yes
comment GCLx GCTZccc GCBUx GCDUx GCFPBx GCCWUBx	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%)</front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx	yes yes yes yes yes yes
COMMENT GCLX GCTZccc GCBUX GCDUX GCFPBX GCCWUBX GCCSIDX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only</front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBX GCOSID? returns GCOSIDx	yes yes yes yes yes yes yes
COMMENT GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCCSIDX GCFPDIX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB</front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx	yes yes yes yes yes yes yes yes yes
GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps</front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx	yes yes yes yes yes yes yes yes yes
GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMMVX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps</front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMMVx	yes
GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume</front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx	yes yes yes yes yes yes yes yes yes
COMMENT GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMVX GCMVX GCZ2MMVX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps</front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMMV? returns GCMMVx	yes
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COMMENT GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMVX GCMVX GCMVX GCMVX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps Main Power-On Volume x=0 Last Used, x=1 -90 (dB) to <main maximum="" volume="">, 0.5 dB steps</main></front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCCSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMMV? returns GCMLX GCMPOV? returns GCMPOVx	yes
COMMENT GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMVX GCMVX GCZ2MMVX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps Main Power-On Volume x=0 Last Used, x=1 -90 (dB) to <main maximum="" volume="">, 0.5 dB steps Zone 2 Power-On Volume (MRX 740/1140, AVM 70/90 only) x=0 Last Used,</main></front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMMV? returns GCMMVx	yes
COMMENT GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMVX GCMVX GCMVX GCZ2MMVX GCZ2POVX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps Main Power-On Volume x=0 Last Used, x=1 -90 (dB) to <main maximum="" volume="">, 0.5 dB steps Zone 2 Power-On Volume (MRX 740/1140, AVM 70/90 only) x=0 Last Used, x=1 -90 (dB) to <zone 2="" maximum="" volume="">, 0.5 dB steps</zone></main></front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMVY? returns GCMLX GCMPOV? returns GCMPOVX GCZ2POV? returns GCZ2POVX	yes
COMMENT GCLX GCTZCCC GCBUX GCDUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMVX GCMVX GCMVX GCZ2MMVX GCZ2POVX GCZ2POVX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps Main Power-On Volume x=0 Last Used, x=1 -90 (dB) to <main maximum="" volume="">, 0.5 dB steps Zone 2 Power-On Volume (MRX 740/1140, AVM 70/90 only) x=0 Last Used, x=1 -90 (dB) to <zone 2="" maximum="" volume="">, 0.5 dB steps Main Power-On Input x=0 Last Used, <input list=""/></zone></main></front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMPOV? returns GCMPOVx GCZ2POV? returns GCMPOIx	yes
COMMENT GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMVX GCMVX GCMVX GCZ2MMVX GCZ2POVX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps Main Power-On Volume x=0 Last Used, x=1 -90 (dB) to <main maximum="" volume="">, 0.5 dB steps Zone 2 Power-On Volume (MRX 740/1140, AVM 70/90 only) x=0 Last Used, x=1 -90 (dB) to <zone 2="" maximum="" volume="">, 0.5 dB steps Main Power-On Input x=0 Last Used, <input list=""/> Zone 2 Power-On Input (MRX 740/1140, AVM 70/90 only) x=0 Last Used,</zone></main></front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMVY? returns GCMLX GCMPOV? returns GCMPOVX GCZ2POV? returns GCZ2POVX	yes
COMMENT GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMVX GCMVX GCZ2MMVX GCZ2POVX GCZ2POVX GCMPOIX GCZ2POIX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps Zone 2 Power-On Volume x=0 Last Used, x=1 -90 (dB) to <main maximum="" volume="">, 0.5 dB steps Zone 2 Power-On Input (MRX 740/1140, AVM 70/90 only) x=0 Last Used, x=1 -90 (dB) to <zone 2="" maximum="" volume="">, 0.5 dB steps Main Power-On Input x=0 Last Used, <input list=""/> Zone 2 Power-On Input (MRX 740/1140, AVM 70/90 only) x=0 Last Used, <input list=""/></zone></main></front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMPOV? returns GCMPOVx GCZ2POV? returns GCZ2POVx GCMPOI? returns GCMPOIx GCMPOI? returns GCMPOIx GCZ2POI? returns GCMPOIx GCZ2POI? returns GCZ2POIx	yes
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GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMUX GCMVX GCMVX GCZ2MMVX GCZ2POVX GCZ2POIX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps Zone 2 Power-On Volume x=0 Last Used, x=1 -90 (dB) to <main maximum="" volume="">, 0.5 dB steps Zone 2 Power-On Input (MRX 740/1140, AVM 70/90 only) x=0 Last Used, x=1 -90 (dB) to <zone 2="" maximum="" volume="">, 0.5 dB steps Main Power-On Input x=0 Last Used, <input list=""/> Zone 2 Power-On Input (MRX 740/1140, AVM 70/90 only) x=0 Last Used, <input list=""/></zone></main></front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMPOV? returns GCMPOVx GCZ2POV? returns GCZ2POVx GCMPOI? returns GCMPOIx GCMPOI? returns GCMPOIx GCZ2POI? returns GCMPOIx GCZ2POI? returns GCZ2POIx	yes
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GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMVX GCMVX GCZ2MMVX GCZ2POVX GCMPOIX GCZ2POIX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps Main Power-On Volume x=0 Last Used, x=1 -90 (dB) to <main maximum="" volume="">, 0.5 dB steps Zone 2 Power-On Volume (MRX 740/1140, AVM 70/90 only) x=0 Last Used, x=1 -90 (dB) to <zone 2="" maximum="" volume="">, 0.5 dB steps Main Power-On Input x=0 Last Used, <input list=""/> Zone 2 Power-On Input (MRX 740/1140, AVM 70/90 only) x=0 Last Used, <input list=""/> Headphone Mutes Main Outputs x=0 No, x=1 Yes Default Streaming Zone</zone></main></front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMPOV? returns GCMPOVX GCZ2POV? returns GCMPOVX GCZ2POV? returns GCMPOIX GCZ2POI? returns GCMPOIX GCZ2POI? returns GCMPOIX GCZ2POI? returns GCMPOIX GCZ2POI? returns GCMPOIX	yes
GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMVX GCMDVX GCZ2MMVX GCZ2POVX GCZ2POVX GCMPOIX GCZ2POIX GCMPOIX GCZ2POIX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=0 to 100 (%), default 30% Wake-Up Brightness: x= <front brightness="" panel=""> to 100 (%) On-Screen Display Info x=0 Off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps Zone 2 Last Used, x=1 -90 (dB) to <main maximum="" volume="">, 0.5 dB steps Zone 2 Power-On Volume (MRX 740/1140, AVM 70/90 only) x=0 Last Used, x=1 -90 (dB) to <zone 2="" maximum="" volume="">, 0.5 dB steps Main Power-On Input x=0 Last Used, <input list=""/> Zone 2 Power-On Input (MRX 740/1140, AVM 70/90 only) x=0 Last Used, <input list=""/> Headphone Mutes Main Outputs x=0 No, x=1 Yes Default Streaming Zone (MRX 740/1140, AVM 70/90 only) x=0 Main, x=1 Zone 2</zone></main></front>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMPOV? returns GCMPOVX GCZ2POV? returns GCMPOVX GCZ2POI? returns GCMPOIX GCZ2POI? returns GCMPOIX GCZ2POI? returns GCMPOIX GCZ2POI? returns GCMPOIX GCCZ2POI? returns GCMPOIX GCCCCMMO? returns GCMPOIX GCHMMO? returns GCMMMOX GCHMMO? returns GCMMMOX GCDSZ? returns GCDSZX	yes
COMMENT GCLX GCTZCCC GCBUX GCDUX GCFPBX GCCWUBX GCOSIDX GCFPDIX GCMVSX GCMLX GCMVX GCMVX GCZ2MMVX GCZ2POVX GCMPOIX GCZ2POIX GCMPOIX GCZ2POIX	General Configuration - Preferences Language x=0 English, x=1 Chinese, x=2 German, x=3 Spanish, x=4 French, x=5 Italian Time Zone ccc= -12.00 to 14.00 Beta Updates x=0 No, x=1 Yes Distance Units x=0 Feet, x=1 Metres Front panel brightness: x=< Front Panel brightness> to 100 (%) On-Screen Display Info x=0 off, x=1 16:9, x=2 2.4:1 Front Panel Display Info x=0 All, x=1 Volume only Master Volume Scale x=0 per cent (%), x=1 dB Mute Level x= -50 to -5 (dB), 5 dB steps Main Maximum Volume x= -40 to +10 (dB), 0.5 dB steps Zone 2 Maximum Volume (MRX 740/1140, AVM 70/90 only) x= -40 to +10 (dB), 0.5 dB steps Main Power-On Volume x=0 Last Used, x=1 -90 (dB) to <main maximum="" volume="">, 0.5 dB steps Zone 2 Power-On Volume (MRX 740/1140, AVM 70/90 only) x=0 Last Used, x=1 -90 (dB) to <zone 2="" maximum="" volume="">, 0.5 dB steps Main Power-On Input x=0 Last Used, <input list=""/> Zone 2 Power-On Input (MRX 740/1140, AVM 70/90 only) x=0 Last Used, <input list=""/> Headphone Mutes Main Outputs x=0 No, x=1 Yes Default Streaming Zone (MRX 740/1140, AVM 70/90 only) x=0 Main, x=1 Zone 2 Favor Current Streaming Input</zone></main>	GCL? returns GCLx GCTZ? returns GCTZccc GCBU? returns GCBUx GCDU? returns GCDUx GCFPB? returns GCFPBx (x=0-100) GCCWUB? returns GCCWUBx GCOSID? returns GCOSIDx GCFPDI? returns GCFPDIx GCMVS? returns GCMVSx GCML? returns GCMLx GCMMV? returns GCMLx GCMPOV? returns GCMPOVX GCZ2POV? returns GCMPOVX GCZ2POI? returns GCMPOIX GCZ2POI? returns GCMPOIX GCZ2POI? returns GCMPOIX GCZ2POI? returns GCMPOIX GCCZ2POI? returns GCMPOIX GCCCCMMO? returns GCMPOIX GCHMMO? returns GCMMMOX GCHMMO? returns GCMMMOX GCDSZ? returns GCDSZX	yes

GCSHDMIBx	Standyby HDMI Bypass x=0 Off, x=1 Last Used, x=2 to 8 HDMI 1 to 7	GCSHHDMI? returns GCSHDMIBx	yes
GCCSTBYx	Set Connected Standby to Disabled $(x=0)$ or Enabled $(x=1)$. This must be enabled for the power-on command to operate via IP. With serial	GCCSTBY? returns GCCSTBYx	yes
	control, the power-on command need not be sent twice (once for wake-up)		
GGGEGG	when this setting is enabled.	GGGDGG2	
GCCECCx	CEC Control x=0 Off, x=1 On CEC Power-Off Control x=0 Disabled, x=1 Enabled	GCCECC? returns GCCECCx GCCPFC? returns GCCPFCx	yes
GCCPFCX	CEC must be On to operate	GCCPFC? returns GCCPFCX	yes
GCCTVAx	HDMI Audio to TV x=0 Off, x=1 On	GCCTVA? returns GCCTVAx	yes
	CEC must be Off to operate		1
GCMLOWSx	Mute Line-Out When Selecting x=0 None, x=1 to 7 HDMI 1 to 7, x=8 HDMI Audio Return Channel, x=9 to 10 Digital Coaxial 1 to 2, x=11 to 13 Digital Optical 1 to 3, x=14 to 17 Analog 1 to 4 MRX 540/740/1140 only: x=18 Analog 5	GCMLOW? returns GCMLOWSx	yes
	AVM 70/90 only: x=18 Phono (MM)		
GCMDOWSx	Mute DIGITAL-Out When Selecting x=0 None, x=1 to 7 HDMI 1 to 7, x=8 HDMI Audio Return Channel, x=9 to 10 Digital Coaxial 1 to 2, x=11 to 13 Digital Optical 1 to 3, x=14 to 17 Analog 1 to 4 MRX 540/740/1140 only: x=18 Analog 5 AVM 70/90 only: x=18 Phono (MM)	GCMDOW? returns GCMDOWSx	yes
comment	General Configuration - Triggers		
CCTDr	t is the trigger number: 1 to 3 Trigger Delay x=0 None, x=1 250 ms	CCTD2 roturns CCTD-	110.7
GCTDx	1 33 1	GCTD? returns GCTDx	yes
GCTtCx	Trigger control. x=0 menu control, x=1 RS-232/IP	GCTtC? Returns GCTtCx	yes
GCTtPx	Power MRX 540 only: x=0 Off, x=1 Main MRX 740/1140, AVM 70/90 only: x=0 Off, x=1 Main, x=2 Zone 2, x=3 Main or Zone 2	GCTtP? returns GCTtPx	yes
GCTtlix	Input i=1 to ZZ (maximum 30)	GCTtIi? returns GCTtIix	yes
	MRX 540 only: x=0 Off, x=1 Main MRX 740/1140, AVM 70/90 only: x=0 Off, x=1 Main, x=2 Zone 2, x=3 Main or Zone 2		
comment	General Configuration - Remote Control		
GCDNccc	Device Name. 16 characters 0-9, A-Z, a-z, ' ', '-', '.', '/'	GCDN? Returns GCDNccc	yes
GCTCPxxxx	TCP Port x=1025 to 49150	GCTCP? Returns GCTCPxxxx	yes
GCRIRx	Rear IR. X=0 Off, x=1 On	GCRIR? Returns GCRIRx	yes
GCFIRx	Front IR. X=0 Off, x=1 On	GCFIR? Returns GCFIRx	yes
GCTXSx	Tx Status x=0 Off, x=1 IP only, x=2 IP and RS-232	GCTXS? Returns GCTXSx	yes
comment	General Configuration - IP Settings		
	i=1 Ethernet, i=2 Wi-Fi		
GCIPViA	Apply Change. Uses these preconfigured settings.	Set only	
GCIPViMx	Mode. X=0 Auto (DHCP), x=1 Manual	GCIPViM? returns GCIPViMx	yes
	IP Address. ccc=32-bit IPV4, up to 15 characters	GCIPViI? returns GCIPViIccc	yes
GCIPViSccc	Subnet mask. ccc=32-bit IPV4, up to 15 characters	GCIPViS? returns GCIPViSccc	yes
GCIPViGccc	Gateway. ccc=32-bit IPV4, up to 15 characters	GCIPViG? returns GCIPVGiccc	yes
GCIPViDccc	DNS. ccc=32-bit IPV4, up to 15 characters	GCIPViD? returns GCIPVDiccc	yes
comment	General Configuration - IP Status		
COmment	Returns the settings for the active channel only		
GCIPSTT?	Status. NM will populate with data like "Ethernet", "Wi-Fi",	GCIPSTT? returns	
GCIPSTM?	"Connecting", "Disconnected", etc. Mode. X=0 Auto (DHCP), x=1 Manual	GCIPSTccc GCIPSTM? returns GCIPSTMx	
GCIPSTI?	IP Address. ccc=32-bit IPV4, up to 15 characters	GCIPSTI? returns GCIPSTIccc	
GCIPSTS?	Subnet. ccc=32-bit IPV4, up to 15 characters	GCIPSTS? returns	
		GCIPSTSccc	

GCIPSTG?	Gateway. ccc=32-bit IPV4, up to 15 characters	GCIPSTG? returns GCIPSTGccc	
GCIPSDN?	DNS. ccc=32-bit IPV4, up to 15 characters	GCIPSTD? returns GCIPSTDccc	
comment	Main Zone and Zone 2 (common)		
Comment	· · · · ·		
	z=1 Main Zone, z=2 Zone 2		
ZzPOWy	Power.z=zone: 1 (main), 2 (where applicable). y: 0=off, 1=on.	ZzPOW? returns ZxPOWy	yes
ZzINPy	Current Input. Select: $yy=1-ZZ$. Where ZZ is the number of active input configurations for the specified zone. Eg: 'Z1INP9' would select the 9th input in the main zone.	ZzINP? returns ZxINPy e. g. "Z1INP10".	yes
ZzVOLsyy	Volume setting: s=sign: +/-, yy=value. Example: Z1VOL-35 represents main zone volume set to -35 dB. Entry is rounded to nearest valid value.	ZzVOL? returns ZzVOLsyy	yes
ZzVDN	Volume Down. A step is 0.5 dB.	currently returns ZzPVOLyy	
ZzVUP	Volume Up. A step is 0.5 dB.	currently returns ZzPVOLyy	
ZzPVOLyy	Volume Percent setting: yy=per cent value (0 to 100%, step of 1%).	ZzPVOL? returns ZzPVOLyy	yes
ZzPVDN	Volume Percent Down. A step is 1% (may be 0.5, 1, 2, 3 or 4 dB).	currently returns ZzPVOLyy	-
ZzPVUP	Volume Percent Up. A step is 1% (may be 0.5, 1, 2, 3 or 4 dB).	currently returns ZzPVOLyy	
ZzMUTy	Mute: 0=unmute, 1=mute, t=toggle	ZzMUT? returns ZzMUTy (y=0-1)	yes
	Terse volume mapping table: [0% = -90 db] step 4 dB [4% = -74 dB] step 3 dB [11% = -53 dB] step 2 dB [20% = -35 dB] step 1 dB [30 % = -25 dB] step 0.5 dB [100% = +10 dB]. Converted dB round up to the next per cent. i.e89.5 to -86 dB round to 1%.		
comment	Main Zone only		
Z1ALMy	Audio Listening Mode: 0=None, 1=AnthemLogic-Cinema, 2=AnthemLogic-Music, 3=Dolby Surround, 4=DTS neural:X, 5=DTS Virtual:X, 5=Stereo,	Z1ALM? returns Z1ALMy	yes
	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-		
Z1ADN	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-channel source only.		
Z1ADN Z1AUP	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-channel source only. Audio Listening Mode: next lower numbered selection.		
Z1ADN Z1AUP Z1TONyszz	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-channel source only.	Z1TONy? returns Z1TONyszz	yes
Z1AUP	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-channel source only. Audio Listening Mode: next lower numbered selection. Audio Listening Mode: next higher numbered selection. Tone setting: y=0 bass, 1 treble. s=sign: +/-, zz=value. Example: Z1TONO-01 represents a bass cut by 1 dB. Range is -10 dB to +10 dB with		yes
Z1AUP Z1TONyszz	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-channel source only. Audio Listening Mode: next lower numbered selection. Audio Listening Mode: next higher numbered selection. Tone setting: y=0 bass, 1 treble. s=sign: +/-, zz=value. Example: Z1TONO-01 represents a bass cut by 1 dB. Range is -10 dB to +10 dB with 0.5 dB steps.		yes
Z1AUP Z1TONyszz Z1TUPy Z1TDNy Z1BALsyyy	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-channel source only. Audio Listening Mode: next lower numbered selection. Audio Listening Mode: next higher numbered selection. Tone setting: y=0 bass, 1 treble. s=sign: +/-, zz=value. Example: Z1TONO-01 represents a bass cut by 1 dB. Range is -10 dB to +10 dB with 0.5 dB steps. Tone Up. y=0 bass, 1 treble. Step is 0.5 dB. Tone Down. y=0 bass, 1 treble. Step is 0.5 dB. Balance setting: yyy=-5 to 5 with 0.5 dB steps. Examples: Z1BAL5 represents balance completely to the right; Z1BAL-5 represents balance completely to the left; Z1BAL0 is balance in the middle; Z1BAL-1.5 represents balance partly to the left. Entry is rounded to nearest valid value.		yes
Z1AUP Z1TONYSZZ Z1TUPY Z1TDNY Z1BALSYYY	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-channel source only. Audio Listening Mode: next lower numbered selection. Audio Listening Mode: next higher numbered selection. Tone setting: y=0 bass, 1 treble. s=sign: +/-, zz=value. Example: Z1TONO-01 represents a bass cut by 1 dB. Range is -10 dB to +10 dB with 0.5 dB steps. Tone Up. y=0 bass, 1 treble. Step is 0.5 dB. Tone Down. y=0 bass, 1 treble. Step is 0.5 dB. Balance setting: yyy=-5 to 5 with 0.5 dB steps. Examples: Z1BAL5 represents balance completely to the right; Z1BAL-5 represents balance completely to the left; Z1BAL0 is balance in the middle; Z1BAL-1.5 represents balance partly to the left. Entry is rounded to nearest valid value. Shift the balance of all channels 0.5 dB to left.		
Z1AUP Z1TONyszz Z1TUPy Z1TDNy Z1BALsyyy	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-channel source only. Audio Listening Mode: next lower numbered selection. Audio Listening Mode: next higher numbered selection. Tone setting: y=0 bass, 1 treble. s=sign: +/-, zz=value. Example: Z1TONO-01 represents a bass cut by 1 dB. Range is -10 dB to +10 dB with 0.5 dB steps. Tone Up. y=0 bass, 1 treble. Step is 0.5 dB. Tone Down. y=0 bass, 1 treble. Step is 0.5 dB. Balance setting: yyy=-5 to 5 with 0.5 dB steps. Examples: Z1BAL5 represents balance completely to the right; Z1BAL-5 represents balance completely to the left; Z1BAL0 is balance in the middle; Z1BAL-1.5 represents balance partly to the left. Entry is rounded to nearest valid value.		
Z1AUP Z1TONYSZZ Z1TUPY Z1TDNY Z1BALSYYY	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-channel source only. Audio Listening Mode: next lower numbered selection. Audio Listening Mode: next higher numbered selection. Tone setting: y=0 bass, 1 treble. s=sign: +/-, zz=value. Example: Z1TONO-01 represents a bass cut by 1 dB. Range is -10 dB to +10 dB with 0.5 dB steps. Tone Up. y=0 bass, 1 treble. Step is 0.5 dB. Tone Down. y=0 bass, 1 treble. Step is 0.5 dB. Balance setting: yyy=-5 to 5 with 0.5 dB steps. Examples: Z1BAL5 represents balance completely to the right; Z1BAL-5 represents balance completely to the left; Z1BAL0 is balance in the middle; Z1BAL-1.5 represents balance partly to the left. Entry is rounded to nearest valid value. Shift the balance of all channels 0.5 dB to left.		
Z1AUP Z1TONYSZZ Z1TUPY Z1TDNY Z1BALSYYY Z1BLT Z1BRT	6=All Channel Stereo, 7=Mono*, 8=All-Channel Mono*. *Applicable to 2-channel source only. Audio Listening Mode: next lower numbered selection. Audio Listening Mode: next higher numbered selection. Tone setting: y=0 bass, 1 treble. s=sign: +/-, zz=value. Example: Z1TONO-01 represents a bass cut by 1 dB. Range is -10 dB to +10 dB with 0.5 dB steps. Tone Up. y=0 bass, 1 treble. Step is 0.5 dB. Tone Down. y=0 bass, 1 treble. Step is 0.5 dB. Balance setting: yyy=-5 to 5 with 0.5 dB steps. Examples: Z1BAL5 represents balance completely to the right; Z1BAL-5 represents balance completely to the left; Z1BAL0 is balance in the middle; Z1BAL-1.5 represents balance partly to the left. Entry is rounded to nearest valid value. Shift the balance of all channels 0.5 dB to left. Shift the balance of all channels 0.5 dB to right.	Z1BAL? returns Z1BALyyy Z1DSCS? Return Z1DSCSy Z1LEVy? returns Z1LEVyszz	yes

Z1LDNy	Level Down: y=channels:1=subs, 5=fronts, 6=front wides, 7=center,		
	8=surrounds, 9=backs, A=Heights1, B=Heights2, C=Heights3, D=LFE. Step		
	is 0.5 dB.		
comment	ARC Metadata		
Z1ARCVAL?	ARC Valid. X=0 Not valid, x=1 Valid.		
ZIARCVAL?			
	Can only be set externally to 0 which causes system to erase the ARC		
	coefficients block stored in external flash.	Returns Z1ARCVALx	
Z1ARCUPL?	ARC Date. 16 characters. 0-9, A-Z, a-z, ' ', '-', '.', '/'	Returns Z1ARCUPLccc	
Z1ARCNAM?	ARC Name. 16 characters. 0-9, A-Z, a-z, '', '-', '.', '/'	Returns Z1ARCNAMccc	
comment	System Control - Audio		
Z1DYNy	Dolby Digital Dynamic Range (Dolby Digital 5.1 source): y=0 Normal, y=1	71DVN2 returns 71DVNv	yes
ZIDINY	Reduced, y=2 Late Night.	(y=0-2)	yes
Z1DIA?	Query Dolby Digital dialog normalization	returns Z1DIAx where x is	
ZIDIA?	Query Doiby Digital dialog normalization	l l	yes
		dB of normalization,	
		n=not applicable	
comment	System Control - Basic Control		
Z1MSGxyyyy	Display custom on-screen status message for duration of display	Set only.	
	timeout: x=row 0-3, yyyy=message (up to 32 characters).		
Z1SHCy	Show/Hide custom message. y=0 hide, y=1 show.	Z1SHC? Returns Z1SHCy	yes
Z1SMDx	Setup menu display: x=0 Close, x=1 Open, x=t Toggle	Z1SMD? returns Z1SMDx	yes
LIGHDA	seetap menta dispitar. N=0 close, N=1 cpcm, N=0 loggic	(x=0-1)	100
7 a C T Mannara	Simulate IR command for zone (z=1, z=2). yyyy=IR command as listed at	Set only.	
ZzSIMyyyy		Sec Only.	
	the bottom of this document.		
comment	Trigger Control		
RxSETy	Trigger set: x=1 Trigger 1, x=2 Trigger 2, x=3 Trigger 3. y=0 Off, y=1	RxSET? returns RxSETy	yes
	On. Only available if trigger control has been set to RS-232/IP for the		
	specified trigger		
comment	Control - Advanced Control		
1		I	
CTDI.vv	Evaluative Control $y = domain (0-arg 1-ggratchned 2-firmware)$	CTDI.v2 Paturn CTDI.vv	
CTRLxy	Exclusive Control. x = domain (0=arc, 1=scratchpad, 2=firmware)	CTRLx? Return CTRLxy	
CTRLxy	y = action (0=released, 1=taken)	CTRLx? Return CTRLxy	
_	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode)	-	
CTRLxy	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y.	CTRLx? Return CTRLxy Set only.	
_	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad	-	
_	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad	-	
_	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad	-	
_	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad	-	
_	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad ex: CPYS03 -> copy settings from current to scratchpad copying to/from scratchpad requires scratchpad exclusive control	Set only.	
CPYSxy	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad ex: CPYS03 -> copy settings from current to scratchpad copying to/from scratchpad requires scratchpad exclusive control Save User Settings. MCU will save the current settings as user settings	Set only.	
CPYSXY	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad ex: CPYS03 -> copy settings from current to scratchpad copying to/from scratchpad requires scratchpad exclusive control Save User Settings. MCU will save the current settings as user settings backup.	Set only. Set only.	
CPYSxy	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad ex: CPYS03 -> copy settings from current to scratchpad copying to/from scratchpad requires scratchpad exclusive control Save User Settings. MCU will save the current settings as user settings backup. Save Installer Settings. MCU will save the installer settings as user	Set only.	
CPYSxy CPYS01 CPYS02	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad ex: CPYS03 -> copy settings from current to scratchpad copying to/from scratchpad requires scratchpad exclusive control Save User Settings. MCU will save the current settings as user settings backup. Save Installer Settings. MCU will save the installer settings as user settings backup.	Set only. Set only.	
CPYSXY	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad ex: CPYS03 -> copy settings from current to scratchpad copying to/from scratchpad requires scratchpad exclusive control Save User Settings. MCU will save the current settings as user settings backup. Save Installer Settings. MCU will save the installer settings as user settings backup. Load User Settings. MCU will reload current settings from the user	Set only. Set only.	
CPYSxy CPYS01 CPYS02	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad ex: CPYS03 -> copy settings from current to scratchpad copying to/from scratchpad requires scratchpad exclusive control Save User Settings. MCU will save the current settings as user settings backup. Save Installer Settings. MCU will save the installer settings as user settings backup. Load User Settings. MCU will reload current settings from the user settings backup. Issue 'Bulk Settings Changed' (BSC1) to all open	Set only. Set only.	
CPYSxy CPYS01 CPYS02 CPYS10	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad ex: CPYS03 -> copy settings from current to scratchpad copying to/from scratchpad requires scratchpad exclusive control Save User Settings. MCU will save the current settings as user settings backup. Save Installer Settings. MCU will save the installer settings as user settings backup. Load User Settings. MCU will reload current settings from the user settings backup. Issue 'Bulk Settings Changed' (BSC1) to all open connections.	Set only. Set only. Set only. Set only.	
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CPYSXY CPYS01 CPYS02 CPYS10 CPYS20 SPDSZ CJFUPDX UPDUSB	y = action (0=released, 1=taken) ex: CTRL01 will take exclusive control over ARC (enter arc mode) Copy Settings from x to y. x = Current, User, Installer, Scratchpad y = Current, User, Installer, Scratchpad ex: CPYS03 -> copy settings from current to scratchpad copying to/from scratchpad requires scratchpad exclusive control Save User Settings. MCU will save the current settings as user settings backup. Save Installer Settings. MCU will save the installer settings as user settings backup. Load User Settings. MCU will reload current settings from the user settings backup. Issue 'Bulk Settings Changed' (BSC1) to all open connections. Load Installer Settings. MCU will reload current settings from the installer settings backup. Issue 'Bulk Settings Changed' (BSC1) to all open connections. Scratchpad Size. Query the size of the scratchpad (size in bytes of an entire binary copy of the current system settings). Check for NM Update. Sent from the MCU to the NM to request that it check for updates from USB (x=0) or Network (x=1). Check for Update via USB. MCU should first check if the USB stick has a host fw update. If yes, prompt the user to install that. Otherwise, host MCU should issue Check for NM Update from USB (CKFUPDO) to NM.	Set only. Set only. Set only. Set only. Set only. Set only. SPDSZ? -> MCU returns SPDSZ <size32> where <size32> is 32 bit max size of the system settings when stored in the scratchpad. Set only. Set only.</size32></size32>	

NMWPS	WPS Pushbutton. Sent from the MCU to the NM to trigger WPS bush button.	Set only.	
RWIFIS	Reset NM Wireless Settings. Sent from the MCU to the NM to request that it clear the wireless settings. Should be sent whenever 'reset network settings' or 'load factory defaults	Set only.	
LDFDS	Load Factory Defaults. Load the factory default settings. Afterwards, the host MCU should send RWIFIS to NM and issue 'Bulk Settings Changed' (BSC1) to all open connections.	Set only.	
LOTFS	Reset On-the-Fly Settings. Load the factory default On-The-Fly settings. Afterwards, the Host MCU should issue 'Bulk Settings Changed' (BSC1) to all open connections.	Set only.	
Z1EMSGrt	Exclusive Control Message. 2 rows of up to 32 characters r=0 Title, r=1 Message. t= 1 to 32 character long string: '', '-', '.', '/', 0-9, A-Z, a-z		
Z1EPRGx	Exclusive Control Progress. x=0 to 100 % progress, x=101 hide progress bar.		
Z1SPRx	Show Prompt. x=0 Close x=1 show prompt with 1 option x=2 show prompt with 2 options x=3 show prompt with 3 options		
Z1PROxt	Prompt Options. t is up to 16 characters for option x. x=0 Option 1 x=1 Option 2 x=2 Option 3 t=1 to 16 character long string: '', '-', '.', '/', 0-9, A-Z, a-z		
Z1PRMmsg	Prompt Message. msg is up to 32 characters for message. 1 to 32 character long string: '', '-', '', '/', 0-9, A-Z, a-z.		
Z1PRSx	Current Prompt Selection. The current prompt selection. x=0 No selection x=1 Option 1 x=2 Option 2 x=3 Option 3		
comment	System Control - Flash Access		
comment PRGSxy	<pre>System Control - Flash Access Program Start. x = mode (0=arc, 1 scratchpad, 2=firmware-MCU, 3=firmware-dsp, 4=firmware-fp, 5=firmware-osd) v = action (0=not ok to program, 1=ok to program)</pre>	PRGSx? returns PRGSxy	
	Program Start. x = mode (0=arc, 1 scratchpad, 2=firmware-MCU, 3=firmware-dsp,	PRGRx? returns PRGRxyz	
PRGSxy	Program Start. x = mode (0=arc, 1 scratchpad, 2=firmware-MCU, 3=firmware-dsp, 4=firmware-fp, 5=firmware-osd) y = action (0=not ok to program, 1=ok to program) Program Resume. x = mode (0=arc, 1=scratchpad, 2=firmware-MCU, 3=firmware-dsp, 4=firmware-fp, 5=firmware-osd) y = <offset32><checksum32> -> result of resume request on success where offset32 -> 32 bit value as hex of current write progress checksum32 -> 32 bit crc of current write progress Whether or not the programming will resume where it left off or restart is up to the client. It could compare the checksum and offset to the data it wants to program and if they match it could resume with programming blocks, otherwise it could restart with a program start</checksum32></offset32>	PRGRx? returns PRGRxyz	

RDBLxy?	Read Block.	Host MCU responds from	
RDBDAy.	x = mode (0=arc, 1=scratchpad, 2=firmware-MCU, 3=firmware-dsp,	RDBLxyz where	
	4=firmware-fp, 5=firmware-osd)	$z = \langle byte1 \rangle \dots \langle byteN \rangle$	
	y = <offset32><countbytes16></countbytes16></offset32>	byte1byteN -> 8-bit	
	offset32 -> 32 bit value as hex (8 chars)	value as hex (2 chars)	
	countbytes16 -> 16 bit value as hex (4 chars)		
	•		
comment	System Control - ARC Mode		
Z1ARCMENx	Measure with ARC EQ Applied.		
	x=0 Disabled, x=1 Profile 1, x=2 Profile 2, x=3 Profile 3, x=4 Profile 4.		
Z1ARCPRCx	Measure with Speaker Processing Applied.		
	x=0 Disabled, x=1 Profile 1, x=2 Profile 2, x=3 Profile 3, x=4 Profile 4.		
	Speaker processing means apply the crossovers, phase, level adjustments etc		
Z1ARCCRP	Test Tone Control.		
	bitmask selecting weather or not the specified audio channel should		
	play the test tone.		
	See the Channel Bit Masks table for valid values		
	For example: Z1ARCCRP0000011 will play the arc chirp on subwoofer 1		
	and the front left speaker simultaneously		
	Note that values returned from queries of this value should return the current chirp state register from the DSP		
Z1ARCCLOx	Chirp Level Offset.		
	Applied to the ARC chirp vs. reference level $x=$ -50 to +10 dB, 0.5 dB step.		
comment	System Control - Stream Service		
NMSNstr	Service Name. str is hex encoded UTF8 with maximum length 64 bytes.		
	Care should be taken to render the UTF8 characters.		
NMTIstr	Title. str is hex encoded UTF8 with maximum length 64 bytes. Care should be taken to render the UTF8 characters.		
NMARstr	Artist. str is hex encoded UTF8 with maximum length 64 bytes. Care should be taken to render the UTF8 characters.		
NMALstr	Album. str is hex encoded UTF8 with maximum length 64 bytes. Care should be taken to render the UTF8 characters.		
NMTEx	State. x=0 Stopped, x=1 transitioning, x=2 paused, x=3 playing.	NMTE? Returns NMTEx	
NMPC	Pause Command. Causes plackback to pause. Sent from Host MCU to		
	Networking module.		
NMSC	Stop Command. Causes playback to stop. Sent from Host MCU to Networking module.		
commant	Other Commands		
FCCcount	Query Fault Counter Count. Query the number of fault counters on the system.	FCC? returns FCCcount	
	Returns FCC <count> where <count> is 8-bit hex encoded ascii.</count></count>		
FCQx	Query Fault Counter. Queries the number of faults that have occurred for fault counter with index <#> (starts at 0). <#> sent as 8-bit hex encoded ascii.	FCQx? returns FCQxn	
	Specifics of fault counter <#> are implementation specified (ANAM		
	should provide documentation on the meaning of each fault counter)		
FCRx	Reset Fault Counter. Reset (set to 0) the specified fault counter x.	Set only.	
FCNxs	Query Fault Counter Name. Get the implementation specified name (s) of	FCNx? returns FCNxs.	
	the fault counter x.	s is 32 characters.	
PRUID1sn	Serial Number as a text string.	PRUID1? Returns PRUID1sn	
PRUID0key	Commit. key=7F36FD81-7A63-43EF-8246-270496C147F9. Sending this command commits the current factory settings to a dedicated region in flash.		
PRUID0key	Commit. key=7F36FD81-7A63-43EF-8246-270496C147F9. Sending this command		

BSC1	Bulk Settings Changed. Sent by host MCU whenever bulk operations are performed on the Menu Settings / On-the-fly Adjustments / etc. Normally those operations would result in significant system notifications, however, the MCU can instead send BSC1 to all active connections to indicate that all cached		
	settings should be invalidated. For example: load user settings could change hundreds of settings at		
	once, sending notifications for each one would be wasteful. Instead,		
	the host MCU should send BSC1.		
Sample Comm	and Strings		
To send a p	ower-on command, send "Z1POW1;" using the semi-colon ";" command		
separator/t	erminator.		
Notes:			
1. Successf	ul serial commands return ';' after the action is completed.	-	
2. When a r	recognized command cannot be executed "!E <originalcommand>" is returned.</originalcommand>	Ex: trigger control is set	to
Menu, and '	RISET1; " is sent on the serial port, then the system would return "!ERIS	ET1 <lf>". Ex2: no tuner pre</lf>	eset

- assigned for preset #03 and "T1PSL03<LF>" is sent then the system would return "!ET1PSL03<LF>"
- 3. Out-of-range parameters return the message "!R<OriginalCommand>". Ex: 'Z1VOL+50;' would result in a response: '!
 4. Invalid commands return the message "!I<OriginalCommand>". Ex 'HELLO;' would result in a response '!IHELLO;'
- 5. Receiving a command for a zone when the zone is off (but the system is not in standby), returns the message "! Z<OriginalMessage>".
- 6. Ony a few commands are valid when the system is in standby 'IDM?', 'ZxPOWy', 'ZxPOW?'. All other commands are considered 'Invalid'.
- 7. Maximum command length is 256 bytes including the terminator. Maximum response length is 258 bytes.
- 8. Average command processing latency must be less than 30 ms.
- 9. Individual commands have a maximum processing latency of 100 ms.
- 10. Systems that communicate over RS232 should wait for at least 1 s for a response before retransmision
- 11. When Standby IP Control is disabled in setup menu (this saves energy), the unit can still be powered on serially but power-on command must be sent twice - wait for semicolon response before sending power-on command the second time (around 1s). To avoid having to send power-on command twice, enable Standby IP Control via SIPx

RS-232 Pin	Configuration:		
2 - Tx			
3 - Rx			
5 - Ground			
RS-232 Cabl	le:		
Straight-wi	red DB9 is used for PC connection.		
Factory Def	ault Communication Settings:		
Baud rate -	- 115200		
Data bits -	· 8		
Parity - No	one		
Stop Bit -	1		
Flow Contro	ol - None		
Simulated I	R Command values for ZxSIMyyyy (use 0 to fill in blanks Ex: Key 1 = 0001)	
уууу	Main Zone IR Key	Zone 2 IR Key	
0	Key 0		
1	Key 1		
2	Key 2		
3	Key 3		
4	Key 4		

	Key 5		
	Key 6		
7	Key 7		
8	Key 8		
9	Key 9		
	Power On	Power On	
	Power Off	Power Off	
12	Setup		
	Input	Input	
	Mode	-	
	Dim		
	Level		
	Info		
	Up		
	Down		
	Left		
	Right		
	Select		
		March Dans and	
	Page Up	Next Pre-set	
	Page Down	Previous Pre-set	
	Volume Up	Volume Up	
	Volume Down	Volume Down	
	Mute Toggle	Mute Toggle	
	Last		
	Tone		
	Bass		
	Treble		
	Lip Sync		
	Balance		
34	Dynamics		
35	Clear		
36	Preset		
	Channel	Bitmask	
	Subwoofer 1	0000001	
	Subwoofer 2	00000002	
	Subwoofer 3	0000004	
	Subwoofer 4	00000008	
	Front Left	0000010	
	Front Right	00000020	
	Front Wide Left	0000040	
	Front Wide Right	00000080	
	Center	00000100	
	Surround Left	00000200	
	Surround Right	00000400	
	Back Left	00000400	
	Back Right	00001000	
	Height 1 Left	00001000	
	Height 1 Right	00002000	
	Height 2 Left		
		00008000	
	Height 2 Right	00010000	
	Height 3 Left	00020000	
	Height 3 Right	00040000	