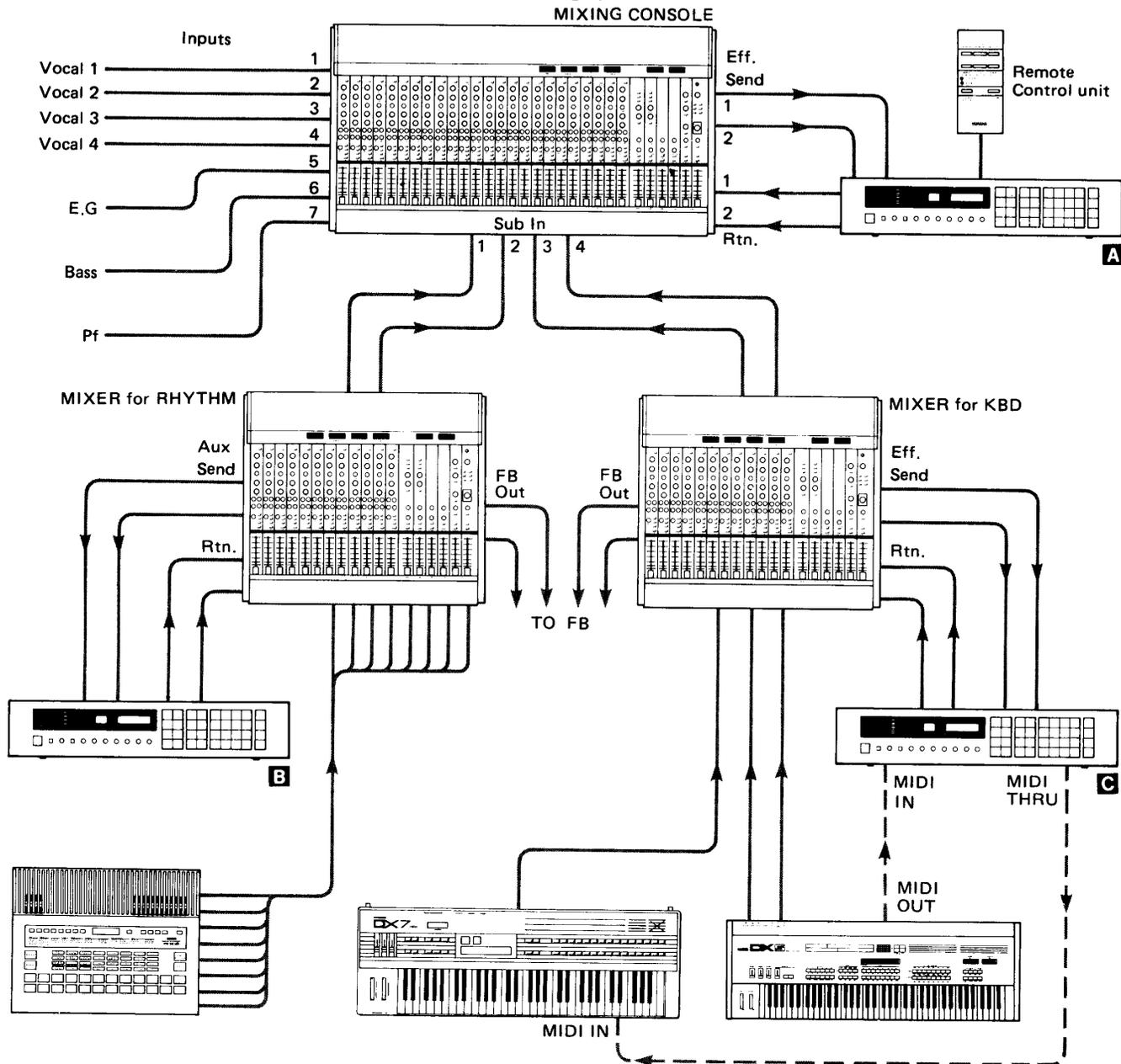


# 6: APPLICATION EXAMPLES

The extraordinarily broad versatility of the REV5 makes it the perfect reverberator for use in a wide range of applications—for sound reinforcement, recording, A/V production, theatrical productions, etc. The system diagram below shows three REV5 units being used in three completely different ways within a large concert sound reinforcement or recording system.



## A Main Reverb Unit

One REV5 is connected into the effect loop of the main system mixing console. In this case the mixing console provides a stereo effects loop: the left and right effects sends are fed to the corresponding REV5 stereo inputs, while the REV5 outputs are fed back to the corresponding effects return inputs. The effects return level controls on the mixer are used to mix the appropriate amount of effect signal back into the program, so the REV5 is set up to output only the reverb signal (no direct signal). This permits application of any REV5 effect to the entire stereo program which is fed to the main house speakers or recording equipment.

## B Effects for a Specific Source

In this system a separate mixer is used to mix the independent drum outputs from the RX5 Digital Rhythm Programmer, and add appropriate equalization to the individual drum sounds. A REV5 is patched into the drum mixer's auxiliary send/return loop permitting the application of effects like Gate Reverb to the drum signal only. Since the REV5 is directly inserted into the mixing console's main program buss, the desired mixture of direct and effect sound must be set using the REV5 mixing control.

## C Keyboard Effects with MIDI Control

The third REV5 in this system is patched into the stereo effects loop of the keyboard mixer. The REV5 is programmed to select pre-determined effects when it receives specific "program change" data from a MIDI keyboard. That is, if the performer selects voice 5 on his keyboard, the corresponding effect is automatically called on the REV5. For MIDI control, the MIDI OUT from a DX5 Digital Programmable Algorithm Synthesizer is fed to the MIDI IN terminal of the REV5, and the MIDI THRU of the REV5 sends the same MIDI control signals on to a DX7II Digital Programmable Algorithm Synthesizer. In this way, selecting a voice on the DX5 not only selects the corresponding effect on the REV5, but also the corresponding voice number on the DX7II.

# 7: SPECIFICATIONS

## ELECTRICAL CHARACTERISTICS

Effect Freq. Response	20 Hz–20 kHz
Dynamic Range	Reverb: 78 dB Delay: 84 dB
THD	0.03% @ 1 kHz, max. level
Analog Equalizer	LOW: ± 15 dB, 50 Hz–700 Hz MID: ± 15 dB, 350 Hz–5 kHz HI: ± 15 dB, 2 kHz–20 kHz

## INPUT

Number of Channels	Elec. balanced × 2 (XLR type) Elec. balanced × 2 (TRS phone)
Nominal Level	–20/+4 dBm, switchable
Impedance	10 k-ohms
Level Control	Rotary, continuous
Level Monitor	8-segment LED

## A/D CONVERSION

Number of Channels	1
Sampling Freq.	44.1 kHz
Quantization	16 bits
Bandwidth	20 Hz–20 kHz

## D/A CONVERSION

Number of Channels	2
Sampling Freq.	44.1 kHz
Quantization	16 bits
Bandwidth	20 Hz–20 kHz

## OUTPUT

Number of Channels	Elec. balanced × 2 (XLR type) Elec. balanced × 2 (TRS phone)
Nominal Level	–20/+4 dBm, switchable
Impedance	600 ohms

## MEMORY

Presets (ROM)	1–30, 91–99
User Memory (RAM)	31–90 (Battery Backup)

## MIDI CONTROL

Program selection by MIDI program change number.  
MIDI base key selection for pitch change programs.  
Bulk dump & load.

## FRONT PANEL

Controls	INPUT LEVEL, EQ (LO FREQ & LEVEL, MID FREQ & LEVEL, HI FREQ & LEVEL), MIXING, EQ ON/OFF, MONO/STEREO
Keys	Direct recall (REV1/-31-, REV2/-32-, REV3/-33-, REV4/-34, ER1/-35-, ER2/-36-, OTHERS/-37-), USER MEMORY, PARAMETER, LEVEL, INITIAL DELAY, 1ST REF, EQ, EQ ON, Δ, ▽, Numeric/Editing Keys, CLEAR, MEMORY, STORE, RECALL/ENTER, –, MUTE, INT PARAM, UTILITY, BYPASS
Display	16 char. × 2 line LCD 2-digit 7-segment LED

## GENERAL

Power Supply	U.S. & Canada: 120V AC, 30W General Model: 220–240V AC, 30W
Dimensions (W × H × D)	480 × 90 × 343 mm (18-7/8" × 3-1/2" × 13-1/2")
Weight	5.5 kg (12 lbs. 2 ozs.)

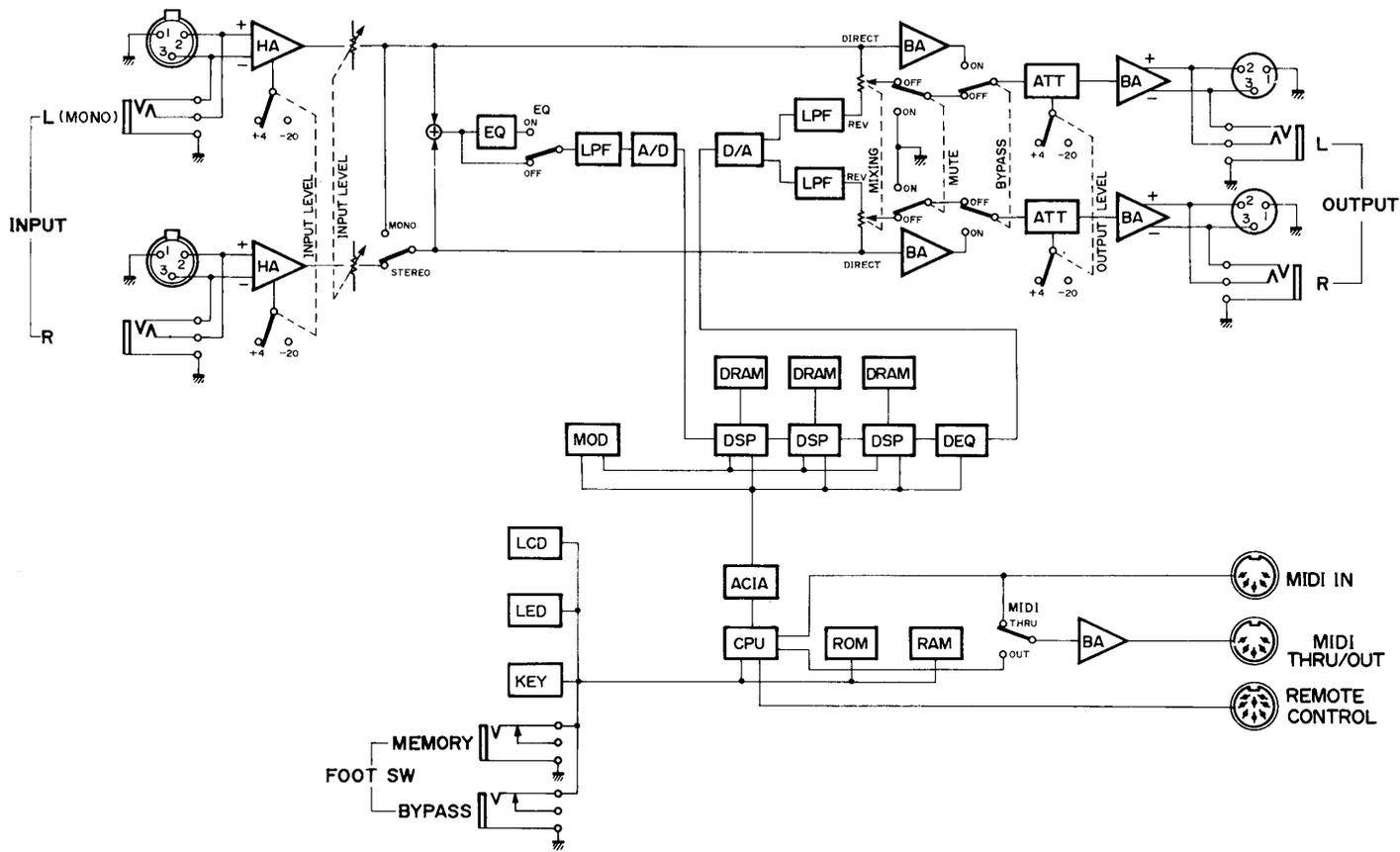
## ACCESSORIES

Remote control unit (RC-5)

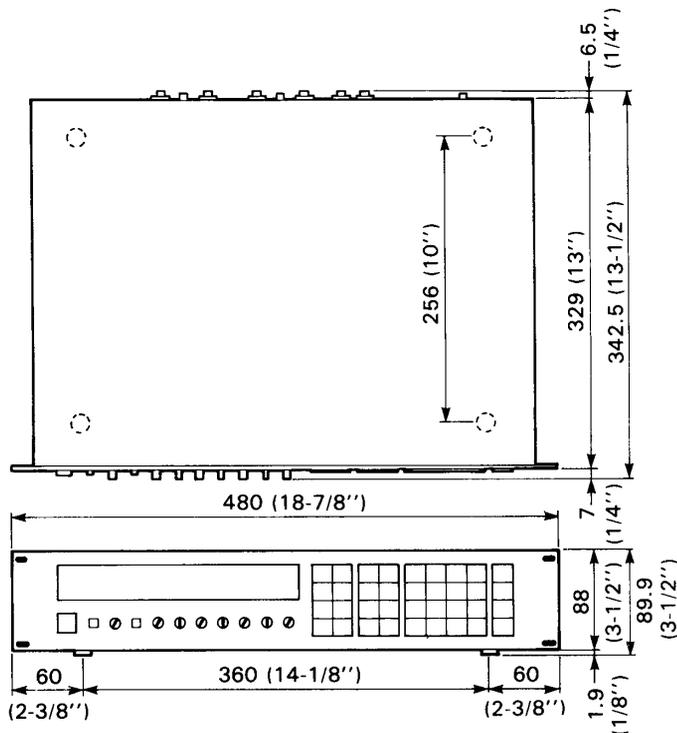
\* 0 dB = 0.775 Vr.m.s.

\* Specifications and appearance subject to change without notice.

# 8: BLOCK DIAGRAM



# 9: DIMENSIONS



# 10. ROM CONTENTS AND CONTROLLABLE PARAMETERS

This chart lists all the programmable parameters of the REV5s 39 presets. It includes the complete value ranges of each parameter, for quick reference when editing. The DESCRIPTION OF PROGRAM TYPES & PARAMETERS chapter should be studied, for a full understanding of this chart.

NOTE

PARAMETER
RANGE
PRESET VALUE

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																			
			1	2	3	4	5	6	7	8	9	10	11	12								
1	LARGE HALL	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION																
			0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10																
			2.6s	$\times 0.3$	$\times 1.2$	5																
		INITIAL DELAY	INI DLY																			
			0.1 ~ 1000.0ms																			
			30.0ms																			
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q									
			PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0									
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0									
		EQ ON/OFF	EQ ON/OFF																			
			OFF,ON																			
			OFF																			
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rev DLY	Rev LVL														
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%														
			10.0ms	0%	15.0ms	0%	15.8ms	0%														
		LEVEL	BALANCE	OUT LVL	OUT PHASE																	
			0 ~ 100%	0 ~ 200%	OFF,ON																	
			100%	100%	OFF																	
INT PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL															
	0 ~ 100%	1 ~ 4	*1	0 ~ 10	$\times 0.1 \sim \times 10.0$	0.0 ~ 500.0ms	0 ~ 100%	GATE LVL														
	54%	4	6.3kHz	0	$\times 1.0$	0.0ms	100%	0%														
MUTE	MUTE ON/OFF																					
	OFF,ON																					
	OFF																					
BYPASS	BYPASS ON/OFF																					
	OFF,ON																					
	OFF																					

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																							
			1	2	3	4	5	6	7	8	9	10	11	12												
2	SMALL HALL	PROGRAM-ETER	REV TIME	HIGH	LOW	DIFFUSION																				
				$0.3 \sim 99.0s$	$0.1 \sim 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 5																			
				2.0s	$\times 0.4$	$\times 1.0$	5																			
		INITIAL DELAY	INI DLY																							
				$0.1 \sim 1000.0ms$																						
				20.0ms																						
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q													
			PEAK, SHLV	32Hz ~ 2.2kHz	- 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	- 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	- 15 ~ + 15dB	0.1 ~ 5.0													
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0													
		EQ ON/OFF	EQ ON/OFF																							
			OFF,ON																							
			OFF																							
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rev DLY	Rev LVL																		
			$0.1 \sim 1000.0ms$	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%																		
			10.0ms	0%	15.0ms	0%	15.8ms	0%																		
LEVEL	BALANCE	OUT LVL	OUT PHASE																							
	0 ~ 100%	0 ~ 200%	OFF,ON																							
	100%	100%	OFF																							
INT PROGRAM	ERREV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL																		
	0 ~ 100%	1 ~ 4	* 1	0 ~ 10	$\times 0.1 \sim \times 10.0$	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%																		
	57%	4	6.3kHz	0	$\times 1.0$	0.0ms	100%	0%																		
MUTE	MUTE ON/OFF																									
	OFF,ON																									
	OFF																									
BYPASS	BYPASS ON/OFF																									
	OFF,ON																									
	OFF																									

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																				
			1	2	3	4	5	6	7	8	9	10	11	12									
3	VOCAL PLATE	<input type="checkbox"/> PEAK <input type="checkbox"/> EREY <input type="checkbox"/> DELAY	REV TIME	HIGH	LOW	DIFFUSION																	
			0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10																	
			2.4s	$\times 0.3$	$\times 1.0$	5																	
		<input type="checkbox"/> EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q										
			PEAK, SHLV	32Hz ~ 2.2kHz	- 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	- 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	- 15 ~ + 15dB	0.1 ~ 5.0										
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0										
		<input type="checkbox"/> EO ON <input type="checkbox"/> REF	EO ON/OFF																				
			OFF, ON																				
			OFF																				
		<input type="checkbox"/> LEVEL	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rev DLY	Rev LVL															
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%															
			10.0ms	0%	15.0ms	0%	15.8ms	0%															
		<input type="checkbox"/> MUTE PROGRAM	BALANCE	OUT LVL	OUT PHASE																		
			0 ~ 100%	0 ~ 200%	OFF, ON																		
			100%	100%	OFF																		
<input type="checkbox"/> MUTE	ERIREV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL															
	0 ~ 100%	1 ~ 4	*1	0 ~ 10	$\times 0.1 \sim \times 10.0$	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%															
	66%	3	6.3kHz	0	$\times 1.0$	0.0ms	100%	0%															
<input type="checkbox"/> BYPASS	MUTE ON/OFF																						
	OFF, ON																						
	OFF																						

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																								
			1	2	3	4	5	6	7	8	9	10	11	12													
4	PERCUSSION PLATE	PROGRAM CTR	REV TIME	HIGH	LOW	DIFFUSION																					
				$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10																					
				$\times 0.5$	$\times 1.2$	5																					
		INITIAL DELAY	INI DLY																								
				0.1 ~ 1000.0ms																							
				10.0ms																							
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q														
			PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0														
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0														
		EQ ON/OFF	EQ ON/OFF																								
			OFF, ON																								
			OFF																								
		CCH DELAY	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rev DLY	Rev LVL																			
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%																			
			10.0ms	0%	15.0ms	0%	15.8ms	0%																			
BALANCE	BALANCE	OUT LVL	OUT PHASE																								
	0 ~ 100%	0 ~ 200%	OFF, ON																								
	100%	100%	OFF																								
EPIREV BAL	EPIREV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL																			
	0 ~ 100%	1 ~ 4	*1	0 ~ 10	$\times 0.1 \sim \times 10.0$	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%																			
	80%	4	6.3kHz	0	$\times 1.0$	0.0ms	100%	0%																			
MUTE ON/OFF	MUTE ON/OFF																										
	OFF, ON																										
	OFF																										
BYPASS ON/OFF	BYPASS ON/OFF																										
	OFF, ON																										
	OFF																										

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																					
			1	2	3	4	5	6	7	8	9	10	11	12										
5	EARLY REF.1	PARAMETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION																		
			*1	0~10	0.1~25.0	0~10																		
		S-HALL	5	2.0	5																			
		INI DLY																						
		INITIAL DELAY																						
		0.1~1000.0ms																						
		10.0ms																						
		EQ	LOW FREQ.	LOW GAIN	LOW Q	MID FREQ.	MID GAIN	MID Q	HI EQ.	HI FREQ.	HI GAIN	HI Q												
			32Hz~2.2kHz	-15~+15dB	0.1~5.0	250Hz~5.6kHz	-15~+15dB	0.1~5.0	PEAK, SHLV	500Hz~16kHz	-15~+15dB	0.1~5.0	PEAK, SHLV	4.0kHz	0dB	15~+15dB	0.1~5.0	PEAK	4.0kHz	0dB	1.0			
			315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	15~+15dB	0.1~5.0	PEAK	4.0kHz	0dB	1.0			
		EQ ON/OFF																						
		EQ ON																						
		OFF,ON																						
		OFF																						
		Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL																	
		0.1~1000.0ms	0~100%	0.1~1000.0ms	0~100%	0.1~1000.0ms	0~100%																	
		0.1ms	0%	15.0ms	0%	15.8ms	0%																	
		BALANCE	OUT LVL	OUT PHASE																				
		0~100%	0~200%	OFF,ON																				
		100%	100%	OFF																				
ER NUMBER	LPF FREQ.	FB DLY	FB GAIN	FB HIGH	GATE LVL																			
1~34	*2	0.1~1400.0ms	-99~+99%	$\times 0.1 \sim \times 1.0$	0~100%																			
34	10kHz	150.0ms	0%	$\times 0.7$	0%																			
MUTE ON/OFF																								
MUTE																								
OFF,ON																								
OFF																								
BYPASS ON/OFF																								
BYPASS																								
OFF,ON																								
OFF																								

\*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B  
 \*2: 1.0kHz~16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																	
			1	2	3	4	5	6	7	8	9	10	11	12						
6	EARLY REF.2	<input type="checkbox"/> PARAMETER <input type="checkbox"/> ENTER	MODE	LIVENESS	ROOM SIZE	DIFFUSION														
			*1	0~10	0.1~25.0	0~10														
			S-HALL	5	2.0	5														
		<input type="checkbox"/> INITIAL DELAY <input type="checkbox"/> DELAY	INI DLY																	
			0.1~1000.0ms																	
		<input type="checkbox"/> EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q.	MID FRQ.	MID GAIN	MID Q.	HI EQ.	HI FRQ.	HI GAIN	HI Q.							
			PEAK, SHLV	32Hz~2.2kHz	-15~+15dB	0.1~5.0	250Hz~5.6kHz	-15~+15dB	0.1~5.0	PEAK, SHLV	500Hz~16kHz	-15~+15dB	0.1~5.0							
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0							
		<input type="checkbox"/> EQ ON/OFF <input type="checkbox"/> OFF ON <input type="checkbox"/> OFF	EQ ON/OFF																	
			OFF ON																	
			OFF																	
		<input type="checkbox"/> SET REF <input type="checkbox"/> REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL												
			0.1~1000.0ms	0~100%	0.1~1000.0ms	0~100%	0.1~1000.0ms	0~100%												
			0.1ms	0%	15.0ms	0%	15.8ms	0%												
		<input type="checkbox"/> LEVEL	BALANCE	OUT LVL	OUT PHASE															
0~100%	0~200%		OFF ON																	
100%	100%		OFF																	
<input type="checkbox"/> PARAM	ER NUMBER	DENSITY	LPF FRQ.	SPACE MOD	FB DLY	FB GAIN	FB HIGH	GATE LVL												
	1~34	1.2	*2	0~10	0.1~1400.0ms	-99~+99%	$\times 0.1 \sim \times 1.0$	0~100%												
	34	2	10kHz	0	150.0ms	0%	$\times 0.7$	0%												
<input type="checkbox"/> MUTE	MUTE ON/OFF																			
	OFF ON																			
	OFF																			
<input type="checkbox"/> BYPASS	BYPASS ON/OFF																			
	OFF ON																			
	OFF																			

\*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B  
 \*2: 1.0kHz~16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																
			1	2	3	4	5	6	7	8	9	10	11	12					
7	DELAY L/R	PARAMETER	Lch DLY	Lch F.B	Rich DLY	Rich F.B	HIGH												
			0.1 ~ 2900.0ms	-99 ~ +99%	0.1 ~ 2900.0ms	-99 ~ +99%	x 0.1 ~ x 1.0												
			100.0ms	0%	200.0ms	0%	x 1.0												
		INITIAL DELAY	INI DLY																
			0.1 ~ 1000.0ms																
			0.1ms																
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI ED.	HI FRQ.	HI GAIN	HI Q						
			PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0						
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0						
		EQ ON/OFF	EQ ON/OFF																
			OFF,ON																
			OFF																
		IST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rich DLY	Rich LVL											
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%											
			0.1ms	0%	15.0ms	0%	15.8ms	0%											
LEVEL	BALANCE	OUT LVL	OUT PHASE																
	0 ~ 100%	0 ~ 200%	OFF,ON																
	100%	100%	OFF																
INT PARAM	LPF FRQ.	GATE LVL																	
	*1	0 ~ 100%																	
	THRU	0%																	
MUTE	MUTE ON/OFF																		
	OFF,ON																		
	OFF																		
BYPASS	BYPASS ON/OFF																		
	OFF,ON																		
	OFF																		

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																	
			1	2	3	4	5	6	7	8	9	10	11	12						
8	STEREO ECHO	PARAMETER	Lch DLY	Lch F.B	Rich DLY	Rich F.B	HIGH													
			0.1 ~ 1400.0ms	-99 ~ +99%	0.1 ~ 1400.0ms	-99 ~ +99%	× 0.1 ~ × 1.0													
			170.0ms	60%	178.0ms	58%	× 0.9													
		INITIAL DELAY	INI DLY																	
			0.1 ~ 1000.0ms																	
			0.1ms																	
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q							
			32Hz ~ 2.2kHz	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0							
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0							
		EQ ON/OFF	EO ON/OFF																	
			OFF, ON																	
			OFF																	
		LST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rich DLY	Rich LVL												
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%												
			0.1ms	0%	15.0ms	0%	15.8ms	0%												
LEVEL	BALANCE	OUT LVL	OUT PHASE																	
	0 ~ 100%	0 ~ 200%	OFF, ON																	
	100%	100%	OFF																	
INT PHASAM	LPF FRQ.	GATE LVL																		
	*1	0 ~ 100%																		
	THRU	0%																		
MUTE	MUTE ON/OFF																			
	OFF, ON																			
	OFF																			
BYPASS	BYPASS ON/OFF																			
	OFF, ON																			
	OFF																			

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER													
			1	2	3	4	5	6	7	8	9	10	11	12		
9	STEREO FLANGE	PARAMETER	MOD. FRQ	MOD. DEPTH	MOD. DLY	F.B. GAIN	MID FRQ	MID GAIN	HI EQ.	HI FRQ.	HI GAIN	HI Q				
			0.1 ~ 40.0Hz	0 ~ 100%	0.1 ~ 100.0ms	0 ~ 99%	250Hz ~ 5.6kHz	- 15 ~ + 15dB	500Hz ~ 16kHz	- 15 ~ + 15dB	0.1 ~ 5.0	0dB	0.1 ~ 5.0			
			2.5Hz	50%	1.2ms	35%	1.0kHz	0dB	4.0kHz	0dB	1.0	0dB	1.0			
		INITIAL DELAY	INI DLY													
			0.1 ~ 1000.0ms													
			0.1ms													
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q			
			32Hz ~ 2.2kHz	32Hz ~ 2.2kHz	- 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	- 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	- 15 ~ + 15dB	0.1 ~ 5.0			
			315Hz	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0			
		EQ ON/OFF	EQ ON/OFF													
			OFF, ON													
			OFF													
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL								
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%								
			0.1ms	0%	15.0ms	0%	15.8ms	0%								
LEVEL	BALANCE	OUT LVL	OUT PHASE													
	0 ~ 100%	0 ~ 200%	OFF, ON													
	100%	100%	OFF													
INT PHASAM	LPF FRQ.	GATE LVL														
	*1	0 ~ 100%														
	THRU	0%														
MUTE	MUTE ON/OFF															
	OFF, ON															
	OFF															
BYPASS	BYPASS ON/OFF															
	OFF, ON															
	OFF															

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER													
		PARAMETER SELECT KEY	1	2	3	4	5	6	7	8	9	10	11	12	
10	REVERB FLANGE	EQ PEAK METER	REV TIME 0.3 ~ 99.0s 2.5s	HIGH x 0.1 ~ x 1.0 x 0.4	LOW x 0.1 ~ x 2.4 x 1.0	DIFFUSION 0 ~ 10 5	MOD. FRQ 0.1 ~ 40.0Hz 1.1Hz	MOD. DEPTH 0 ~ 100% 80%	MOD. DLY 0.1 ~ 30.0ms 1.2ms	HI EQ 500Hz ~ 16kHz	HI FRQ. 4.0kHz	HI GAIN -15 ~ +15dB			
		EQ DELAY	INI DLY 0.1 ~ 1000.0ms 0.1ms												
		EQ	LOW EQ. 32Hz ~ 2.2kHz	LOW FRQ. 315Hz	LOW GAIN -15 ~ +15dB	LOW Q 0.1 ~ 5.0	MID FRQ. 250Hz ~ 5.6kHz	MID GAIN -15 ~ +15dB	MID Q 0.1 ~ 5.0	MID EQ. PEAK, SHLV	500Hz ~ 16kHz	4.0kHz	HI GAIN -15 ~ +15dB	HI Q 0.1 ~ 5.0	
		EQ ON	PEAK 315Hz		0dB	1.0	1.0kHz	0dB	1.0	PEAK			0dB	1.0	
		EQ ON/OFF	EO ON/OFF												
		OFF, ON	OFF												
		REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rev DLY	Rev LVL							
		0.1 ~ 1000.0ms	0 ~ 100%	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%							
		0.1ms	0%	15.0ms	0%	0%	15.8ms	0%							
		BALANCE	OUT LVL	OUT PHASE											
		0 ~ 100%	0 ~ 200%	OFF, ON											
		100%	100%	OFF											
		ERIREV BAL	DENSITY	LPF FRQ.	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL							
		0 ~ 100%	1 ~ 4	*1	x 0.1 ~ x 10.0	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%							
		59%	4	6.3kHz	x 1.0	0.0ms	100%	0%							
MUTE ON/OFF	MUTE ON/OFF														
OFF, ON	OFF														
BYPASS ON/OFF	BYPASS ON/OFF														
OFF, ON	OFF														

\*1: 1.0kHz ~ 16kHz, THRU



MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																								
			1	2	3	4	5	6	7	8	9	10	11	12													
12	CHORUS B	PARAMETER ENTER	MOD. FRQ.	DM DEPTH	AM DEPTH																						
			0.1 ~ 40.0Hz	0 ~ 100%	0 ~ 100%																						
			0.6Hz	50%	10%																						
		INITIAL DELAY	INI DLY																								
			0.1 ~ 1000.0ms																								
			0.1ms																								
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q														
			32Hz ~ 2.2kHz	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0														
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0														
		EQ ON/OFF	EQ ON/OFF																								
			OFF.ON																								
			OFF																								
LIST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL																					
	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%																					
	0.1ms	0%	15.0ms	0%	15.8ms	0%																					
LEVEL	BALANCE	OUT LVL	OUT PHASE																								
	0 ~ 100%	0 ~ 200%	OFF.ON																								
	100%	100%	OFF																								
INT PARAM	LPF FRQ.	GATE LVL																									
	*1	0 ~ 100%																									
	THRU	0%																									
MUTE	MUTE ON/OFF																										
	OFF.ON																										
	OFF																										
BYPASS	BYPASS ON/OFF																										
	OFF.ON																										
	OFF																										

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																									
			1	2	3	4	5	6	7	8	9	10	11	12														
13	STEREO PHASING	PARAMETER	MOD. FRQ	MOD. DEPTH	MOD. DLY																							
			0.1 ~ 40.0Hz	0 ~ 100%	0.1 ~ 5.0ms																							
			1.1Hz	100%	3.0ms																							
		INITIAL DELAY																										
			0.1 ~ 1000.0ms																									
			0.1ms																									
		EQ																										
			LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q															
			32Hz ~ 2.2kHz	315Hz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	4.0kHz	0dB											
		EQ ON/OFF																										
			EQ ON																									
			OFF, ON																									
		LIST REF																										
Cch DLY	Cch LVL		Lch DLY	Lch LVL	Rch DLY	Rch LVL																						
0.1 ~ 1000.0ms	0 ~ 100%		0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%																						
LEVEL																												
	BALANCE	OUT LVL	OUT PHASE																									
	0 ~ 100%	0 ~ 200%	OFF, ON																									
PARAM																												
	LPF FRQ.	GATE LVL																										
	*1	0 ~ 100%																										
MUTE																												
	MUTE ON/OFF																											
	OFF, ON																											
BYPASS																												
	BYPASS ON/OFF																											
	OFF, ON																											

\*1: 1.0kHz ~ 16kHz, THRU



MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																			
			1	2	3	4	5	6	7	8	9	10	11	12								
15	SYMPHONIC	<input type="checkbox"/> PEAK STEREO <input type="checkbox"/> INIT DELAY	MOD. FRQ.	MOD. DEPTH																		
			0.1 ~ 40.0Hz	0 ~ 100%																		
			0.7Hz	50%																		
		<input type="checkbox"/> EQ <input type="checkbox"/> EQ ON/OFF	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q										
			32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	PEAK	4.0kHz	0dB						
			315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	0dB	0dB	0dB	0dB	0dB	0dB	0dB
		<input type="checkbox"/> REF <input type="checkbox"/> BALANCE	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL														
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%														
			0.1ms	0%	15.0ms	0%	15.8ms	0%														
		<input type="checkbox"/> LEVEL <input type="checkbox"/> INT PROGRAM	BYPASS ON/OFF	OUT LVL	OUT PHASE																	
			OFF, ON	0 ~ 200%	OFF, ON																	
			OFF	100%	OFF																	
		<input type="checkbox"/> MUTE <input type="checkbox"/> BYPASS	LPF FRQ.	GATE LVL																		
			*1	0 ~ 100%																		
			THRU	0%																		

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																			
			1	2	3	4	5	6	7	8	9	10	11	12								
16	SPRING	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION																
				$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10																
				$\times 0.2$	$\times 1.2$	5																
		INITIAL DELAY	INI DLY																			
				0.1 ~ 1000.0ms																		
				25.0ms																		
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q									
				32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0									
				315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0									
		EQ ON/OFF	EO ON/OFF																			
				OFF.ON																		
				OFF																		
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rev DLY	Rev LVL														
				0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%	0 ~ 100%														
				0.1ms	0%	15.0ms	0%	15.8ms	0%													
		LEVEL	BALANCE	OUT LVL	OUT PHASE																	
				0 ~ 100%	0 ~ 200%	OFF.ON																
				100%	100%	OFF																
		INT. PARAM	ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL												
				1 ~ 4	*1	0 ~ 10	$\times 0.1 \sim \times 10.0$	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%												
	35%		4	3.6kHz	0	$\times 1.0$	0.0ms	0%														
MUTE	MUTE ON/OFF																					
		OFF.ON																				
		OFF																				
BYPASS	BYPASS ON/OFF																					
		OFF.ON																				
		OFF																				

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																
			1	2	3	4	5	6	7	8	9	10	11	12					
17	ECHO ROOM	PEAK METER	REV TIME	HIGH	LOW	DIFFUSION													
				$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10													
				$\times 0.3$	$\times 1.2$	5													
		INI DLY																	
		EQ																	
				LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q						
				32Hz ~ 2.2kHz	- 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	- 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	- 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	4.0kHz	0dB	0.1 ~ 5.0	1.0
		EQ ON/OFF																	
				315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK									
		EQ ON																	
		REF																	
				Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL										
	0.1 ~ 1000.0ms		0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%												
LEVEL																			
		0.1ms	15.0ms			15.8ms													
INIT. PROGRAM																			
		BALANCE	OUT LVL	OUT PHASE															
		0 ~ 100%	0 ~ 200%	OFF, ON															
MUTE																			
		100%	100%	OFF															
		ER/REV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL										
BYPASS		0 ~ 100%	1 ~ 4	*1	0 ~ 10	$\times 0.1 \sim \times 10.0$	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%										
		40%	4	7.0kHz	0	$\times 1.0$	0.0ms	100%	0%										

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER												
		1	2	3	4	5	6	7	8	9	10	11	12	
18	STRINGS	PARAMETER SELECT KEY	REV TIME	HIGH	LOW	DIFFUSION	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10	250Hz ~ 5.6kHz	- 15 ~ + 15dB	0.1 ~ 5.0	500Hz ~ 16kHz	- 15 ~ + 15dB	0.1 ~ 5.0	0.1 ~ 5.0	
			3.0s	$\times 0.3$	$\times 1.0$	5	1.0kHz	0dB	1.0	4.0kHz	0dB	1.0	1.0	
			0.1 ~ 1000.0ms											
			13.0ms											
			LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			32Hz ~ 2.2kHz	315Hz	- 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	- 15 ~ + 15dB	0.1 ~ 5.0	500Hz ~ 16kHz	- 15 ~ + 15dB	0.1 ~ 5.0	0.1 ~ 5.0	
			PEAK		0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
			EO ON/OFF											
			OFF/ON											
			OFF											
			Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			0.1ms	0%	15.0ms	0%	15.8ms	0%						
			BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF/ON									
			100%	100%	OFF									
			ERIREV BAL	DENSITY	LPF FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL				
	0 ~ 100%	1 ~ 4	*1	0 ~ 10	$\times 0.1 \sim \times 10.0$	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%						
	28%	4	THRU	0	$\times 1.0$	0.0ms	100%	0%						
	MUTE ON/OFF													
	OFF/ON													
	OFF													
	BYPASS ON/OFF													
	OFF/ON													
	OFF													

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																			
			1	2	3	4	5	6	7	8	9	10	11	12								
19	ELECTRIC BASS A	PARAMETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION																
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10																
		INITIAL DELAY	PLATE																			
			0	0.3	5																	
		EQ	INI DLY																			
			0.1 ~ 1000.0ms																			
		EQ ON/OFF	12.0ms																			
			LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q									
		EQ ON	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0									
			315Hz	0dB	1.0	1.0kHz	0dB	1.0	1.0	PEAK	4.0kHz	0dB	1.0									
		IST REF	EQ ON/OFF																			
			OFF.ON																			
		LEVEL	OFF																			
			Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL														
		INT PROGRAM	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%														
			0.1ms	87%	15.0ms	0%	15.8ms	0%														
		MUTE	BALANCE	OUT LVL	OUT PHASE																	
			0 ~ 100%	0 ~ 200%	OFF.ON																	
		BYPASS	100%	100%	OFF																	
			ER NUMBER	LPF FRQ.	FB DLY	FB GAIN	FB HIGH	GATE LVL														
MUTE ON/OFF	1 ~ 34	*2	0.1 ~ 1400.0ms	0 ~ 99%	$\times 0.1 \sim \times 1.0$	0 ~ 100%																
	34	9.0kHz	150.0ms	0%	$\times 0.7$	0%																
MUTE	MUTE ON/OFF																					
	OFF.ON																					
BYPASS	OFF																					
	BYPASS ON/OFF																					
BYPASS	OFF.ON																					
	OFF																					

\*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B

\*2: 1.0kHz ~ 16kHz, THRU



MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																				
			1	2	3	4	5	6	7	8	9	10	11	12									
21	KICK		MODE	LIVENESS	ROOM SIZE	DIFFUSION																	
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10																	
			PLATE	1	0.3	7																	
			INI DLY																				
			INITIAL RECALL																				
				12.0ms																			
				LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q									
				32Hz ~ 2.2kHz	- 15 ~ + 15dB	0.1 ~ 5.0	0.1 ~ 5.0	250Hz ~ 5.6kHz	- 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	- 15 ~ + 15dB	0.1 ~ 5.0									
				PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0									
				EO ON/OFF																			
				OFF, ON																			
				OFF																			
					Cch DLY	Cch LVL	Lch DLY	Lch LVL	Lch DLY	Rech DLY	Rech LVL												
				0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0 ~ 100%	0.1 ~ 1000.0ms	0.1 ~ 1000.0ms	0 ~ 100%												
				0.1ms	87%	15.0ms	0%	0%	15.8ms	0%	0%												
				BALANCE	OUT LVL	OUT PHASE																	
				0 ~ 100%	0 ~ 200%	OFF, ON																	
				100%	100%	OFF																	
					ER NUMBER	LPF FRQ.	FB DLY	FB GAIN	FB HIGH	FB HIGH	GATE LVL												
				1 ~ 34	*2	0.1 ~ 1400.0ms	- 99 ~ + 99%	- 99 ~ + 99%	× 0.1 ~ × 1.0	× 0.1 ~ × 1.0	0 ~ 100%												
				34	6.3kHz	150.0ms	0%	0%	× 0.7	× 0.7	0%												
			MUTE ON/OFF																				
			OFF, ON																				
			OFF																				
			BYPASS ON/OFF																				
			OFF, ON																				
			OFF																				

\*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B  
 \*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																	
			1	2	3	4	5	6	7	8	9	10	11	12						
22	SNARE	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION														
				$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10														
				$\times 0.8$	$\times 0.8$	5														
		INITIAL DELAY	INI DLY																	
				0.1 ~ 1000.0ms																
				10.0ms																
		EQ	LOW EQ.	LOW FRO.	LOW GAIN	LOW Q	MID FRO.	MID GAIN	MID Q	HI EQ.	HI FRO.	HI GAIN	HI Q							
				32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0							
				315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0							
		EQ ON/OFF	EQ ON/OFF																	
				OFF, ON																
				OFF																
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rev DLY	Rev LVL												
				0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%												
				0.1ms	0%	15.0ms	15.8ms	0%												
LEVEL	BALANCE	OUT LVL	OUT PHASE																	
		0 ~ 100%	0 ~ 200%	OFF, ON																
		100%	100%	OFF																
INT PARAM	ENIREV BAL	DENSITY	LPF FRO.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL	GATE LVL												
		0 ~ 100%	1 ~ 4	0 ~ 10	$\times 0.1 \sim \times 10.0$	0.0 ~ 500.0ms	0 ~ 100%	0 ~ 100%												
		84%	4	0	$\times 1.0$	0.0ms	100%	0%												
MUTE	MUTE ON/OFF																			
		OFF, ON																		
		OFF																		
BYPASS	BYPASS ON/OFF																			
		OFF, ON																		
		OFF																		

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER															
			1	2	3	4	5	6	7	8	9	10	11	12				
23	REVERB & GATE	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.							
			0.3 ~ 99.0s	x 0.1 ~ x 1.0	x 0.1 ~ x 2.4	0 ~ 10	1 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	5 ~ 24000ms	OFF, ON							
			2.6s	x 0.3	x 1.2	5	65	10.0ms	150ms	5ms	OFF							
		INITIAL DELAY	INI DLY															
			0.1 ~ 1000.0ms															
			20.0ms															
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q					
			32Hz ~ 2.2kHz	32Hz ~ 2.2kHz	- 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	- 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	- 15 ~ + 15dB	0.1 ~ 5.0					
			315Hz	0dB	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0					
		EQ ON/OFF	EQ ON/OFF															
			OFF, ON															
			OFF															
		LST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rev DLY	Rev LVL										
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%										
			0.1ms	0%	15.0ms	0%	15.8ms	0%										
LEVEL	BALANCE	OUT LVL	OUT PHASE															
	0 ~ 100%	0 ~ 200%	OFF, ON															
	100%	100%	OFF															
INT. PARAM.	ERIREV BAL	DENSITY	LPE FRQ.	SPACE MOD	REV2 TIME	REV2 DLY	REV2 LVL											
	0 ~ 100%	1 ~ 4	*1	0 ~ 10	x 0.1 ~ x 10.0	0.0 ~ 500.0ms	0 ~ 100%											
	54%	4	6.3kHz	0	x 1.0	0.0ms	100%											
MUTE	MUTE ON/OFF																	
	OFF, ON																	
	OFF																	
BYPASS	BYPASS ON/OFF																	
	OFF, ON																	
	OFF																	

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																	
			1	2	3	4	5	6	7	8	9	10	11	12						
24	REVERSE GATE	<input type="checkbox"/> PULSE <input type="checkbox"/> PULSE	MODE	LIVENESS	ROOM SIZE	DIFFUSION														
			*1	0 ~ 10	0.1 ~ x 25.0	0 ~ 10														
			REVERSE	5	2.4	5														
		<input type="checkbox"/> DELAY <input type="checkbox"/> DELAY	INI DLY																	
			0.1 ~ 1000.0ms																	
			25.0ms																	
		<input type="checkbox"/> EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q.	MID FRQ.	MID GAIN	MID Q.	HI EQ.	HI FRQ.	HI GAIN	HI Q.							
			PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0							
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0							
		<input type="checkbox"/> EQ ON	EQ ON/OFF																	
			OFF.ON																	
			OFF																	
		<input type="checkbox"/> REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL												
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%												
			0.1ms	0%	15.0ms	0%	15.8ms	0%												
<input type="checkbox"/> LEVEL	BALANCE	OUT LVL	OUT PHASE																	
	0 ~ 100%	0 ~ 200%	OFF.ON																	
	100%	100%	OFF																	
<input type="checkbox"/> PARAM	ER NUMBER	DENSITY	LPF FRQ.	SPACE MOD	FB DLY	FB GAIN	FB HIGH	GATE LVL												
	1 ~ 34	1, 2	*2	0 ~ 10	0.1 ~ 1400.0ms	-99 ~ +99%	$\times 0.1 \sim \times 1.0$	0 ~ 100%												
	34	2	7.0kHz	0	150.0ms	0%	$\times 0.7$	0%												
<input type="checkbox"/> MUTE	MUTE ON/OFF																			
	OFF.ON																			
	OFF																			
<input type="checkbox"/> BYPASS	BYPASS ON/OFF																			
	OFF.ON																			
	OFF																			

\*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B  
 \*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																									
			1	2	3	4	5	6	7	8	9	10	11	12														
25	REHEARSAL ROOM	PARAMETER	MODE	LIVENESS	ROOM SIZE	DIFFUSION																						
			*1	0 ~ 10	0.1 ~ × 25.0	0 ~ 10																						
			INITIAL DELAY	PIANO	4	1.0	5																					
				0.1 ~ 1000.0ms																								
			EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q														
		PEAK, SHLV		32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0															
		PEAK		315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0															
		EQ ON/OFF	EQ ON/OFF																									
			OFF, ON																									
			OFF																									
		LST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL																				
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%																				
			0.1ms	65%	15.0ms	0%	15.8ms	0%																				
		LEVEL	BALANCE	OUT LVL	OUT PHASE																							
			0 ~ 100%	0 ~ 200%	OFF, ON																							
			100%	100%	OFF																							
		INT PARAM	ER NUMBER	LPF FRQ.	FB DLY	FB GAIN	FB HIGH	GATE LVL																				
			1 ~ 34	*2	0.1 ~ 1400.0ms	-99 ~ +99%	× 0.1 ~ × 1.0	0 ~ 100%																				
			34	10kHz	150.0ms	0%	× 0.7	0%																				
		MUTE	MUTE ON/OFF																									
			OFF, ON																									
			OFF																									
		BYPASS	BYPASS ON/OFF																									
			OFF, ON																									
			OFF																									

\*1: PIANO, ORGAN, BRASS, GUITAR  
 \*2: 1.0kHz ~ 16kHz, THRU



MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																			
			1	2	3	4	5	6	7	8	9	10	11	12								
27	PITCH CHANGE 8	PARAMETER	1 PITCH	1 FINE	1 DLY	2 PITCH	2 FINE	2 DLY	BASE KEY													
			-12 ~ +12	-100 ~ +100	0.1 ~ 400.0ms	-12 ~ +12	-100 ~ +100	0.1 ~ 400.0ms	0.1 ~ 400.0ms	OFF, C1 ~ C6												
			0	+8	0.1ms	0	-8	20.0ms	C3													
				INI DLY																		
				0.1 ~ 1000.0ms																		
				0.1ms																		
				LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q								
				PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0								
				PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0								
				EQ ON/OFF																		
				OFF, ON																		
				OFF																		
				Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rech DLY	Rech LVL													
				0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0 ~ 100%												
				0.1ms	0%	15.0ms	0%	15.0ms	0%													
		BALANCE	OUT LVL	OUT PHASE																		
		0 ~ 100%	0 ~ 200%	OFF, ON																		
		100%	100%	OFF																		
		LPF FRQ.	GATE LVL																			
		*1	0 ~ 100%																			
		THRU	0%																			
		MUTE ON/OFF																				
		OFF, ON																				
		OFF																				
		BYPASS ON/OFF																				
		OFF, ON																				
		OFF																				

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER												
			1	2	3	4	5	6	7	8	9	10	11	12	
28	PITCH CHANGE C	<input type="checkbox"/> L PITCH -12 ~ +12 0 <input type="checkbox"/> INI DLY 0.1 ~ 1000.0ms 0.1ms	L FINE	L DLY	R PITCH	R FINE	R DLY	BASE KEY	HI EQ.	HI FRQ.	HI GAIN				
			-100 ~ +100	0.1 ~ 200.0ms	-12 ~ +12	-100 ~ +100	0.1 ~ 200.0ms	OFF, C1 ~ C6		500Hz ~ 16kHz	-15 ~ +15dB				
			+8	0.1ms	0	-8	0.1ms	C3		4.0kHz	0dB				
		<input type="checkbox"/> EQ <input type="checkbox"/> EQ ON/OFF OFF, ON OFF	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	PEAK, SHLV	PEAK	HI GAIN	HI Q		
			32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0		500Hz ~ 16kHz	0dB		0.1 ~ 5.0	0.1 ~ 5.0	
			315Hz	0dB	1.0	1.0kHz	0dB	1.0		4.0kHz	0dB		1.0	1.0	
		<input type="checkbox"/> Cch REF 0.1 ~ 1000.0ms 0.1ms BALANCE 0 ~ 100% 100%	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL								
			0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%								
			0%	15.0ms	0%	15.8ms	0%								
		<input type="checkbox"/> LEVEL 0 ~ 100% 100%	OUT LVL	OUT PHASE											
			0 ~ 200%	OFF, ON											
			100%	OFF											
<input type="checkbox"/> PARAM *1 THRU	GATE LVL														
	0 ~ 100%														
	0%														
<input type="checkbox"/> MUTE	MUTE ON/OFF														
	OFF, ON														
	OFF														
<input type="checkbox"/> BYPASS	BYPASS ON/OFF														
	OFF, ON														
	OFF														

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																			
			1	2	3	4	5	6	7	8	9	10	11	12								
29	PAN	<input type="checkbox"/> PARAM. ENTER	PAN SPEED	DIRECTION	DEPTH																	
			0.1 ~ 40.0Hz	*1 L → R	0 ~ 100%																	
		<input type="checkbox"/> INITIAL DELAY	INI DLY																			
			0.1 ~ 1000.0ms																			
		<input type="checkbox"/> EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q									
			PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK	4.0kHz	0dB						
		<input type="checkbox"/> EQ ON	EQ ON/OFF	315Hz	0dB	1.0	1.0kHz	0dB	1.0													
			OFF, ON																			
		<input type="checkbox"/> 1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rech DLY	Rech LVL														
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%														
		<input type="checkbox"/> LEVEL	BALANCE	OUT LVL	OUT PHASE																	
			0 ~ 100%	0 ~ 200%	OFF, ON																	
		<input type="checkbox"/> INT. PARAM.	LPF FRQ.	GATE LVL																		
			*2	0 ~ 100%																		
		<input type="checkbox"/> MUTE	MUTE ON/OFF																			
			OFF, ON																			
		<input type="checkbox"/> BYPASS	BYPASS ON/OFF																			
			OFF, ON																			

\*1: L → R, L ← R, L ↔ R  
 \*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																						
			1	2	3	4	5	6	7	8	9	10	11	12											
30	LIVE REFERENCE	<input type="checkbox"/> PANE-ENTER <input type="checkbox"/> L-HALL <input type="checkbox"/> INI DLY <input type="checkbox"/> 0.1 ~ 1000.0ms <input type="checkbox"/> 20.0ms	MODE	LIVENESS	ROOM SIZE	DIFFUSION																			
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10																			
				5	2.5	5																			
		<input type="checkbox"/> EQ <input type="checkbox"/> EQ ON <input type="checkbox"/> OFF	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q												
			PEAK, SHLV	32Hz ~ 2.2kHz	- 15 ~ + 15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	- 15 ~ + 15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	- 15 ~ + 15dB	0.1 ~ 5.0												
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0												
		<input type="checkbox"/> Cch DLY <input type="checkbox"/> 0.1 ~ 1000.0ms <input type="checkbox"/> 0.1ms <input type="checkbox"/> BALANCE <input type="checkbox"/> 0 ~ 100% <input type="checkbox"/> 100%	EO ON/OFF	Cch LVL	Lch DLY	Lch LVL	Rich DLY	Rich LVL																	
			OFF/ON	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%																	
			OFF	0%	15.0ms	0%	15.8ms	0%																	
		<input type="checkbox"/> ER NUMBER <input type="checkbox"/> 1 ~ 34 <input type="checkbox"/> 34 <input type="checkbox"/> MUTE ON/OFF <input type="checkbox"/> OFF/ON <input type="checkbox"/> OFF	ER NUMBER	DENSITY	LPF FRQ.	SPACE MOD	FB DLY	FB GAIN	FB HIGH	GATE LVL															
			1 ~ 34	1,2	*2	0 ~ 10	0.9 ~ 1400ms	- 99% ~ + 99%	× 0.1 ~ × 1.0	0 ~ 100%															
			34	2	THRU	0	150ms	0%	× 0.7	0%															
		<input type="checkbox"/> BYPASS ON/OFF <input type="checkbox"/> OFF/ON <input type="checkbox"/> OFF	MUTE ON/OFF																						
			OFF/ON																						
			OFF																						
		<input type="checkbox"/> BYPASS ON/OFF <input type="checkbox"/> OFF/ON <input type="checkbox"/> OFF																							

\*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B  
 \*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																	
			1	2	3	4	5	6	7	8	9	10	11	12						
91	ECHO & REV & G	PROGRAM-ETER	DELAY	F.B. GAIN	F.B. HIGH	REV TIME	HIGH	LOW	DIFFUSION	REV MIX										
			0.1 ~ 1400.0ms	-99 ~ +99%	$\times 0.1 \sim \times 1.0$	0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10	0 ~ 100%										
		INITIAL DELAY	170.0ms	60%	$\times 0.9$	2.6s	$\times 0.3$	$\times 1.2$	5	45%										
			30.0ms																	
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q							
			PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0							
		EQ ON/OFF	PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0							
			OFF,ON																	
		LST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rech DLY	Rech LVL												
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%												
		LEVEL	BALANCE	OUT LVL	OUT PHASE															
			10.0ms	0%	15.0ms															
		INT PROGRAM	DENSITY	LPF FRQ.	SPACE MOD	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.										
			1 ~ 4	*1	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON										
		MUTE	MUTE ON/OFF	4	0	0	20.0ms	150ms	5ms	OFF										
			OFF,ON																	
		BYPASS	BYPASS ON/OFF																	
			OFF,ON																	

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER												
			1	2	3	4	5	6	7	8	9	10	11	12	
92	CHORUS & REV & G	PARAMETER	MOD. FRQ	DM DEPTH	AM DEPTH	REV TIME	HIGH	LOW	DIFFUSION	REV MIX					
			0.1 ~ 40.0Hz	0 ~ 100%	0 ~ 100%	0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10	0 ~ 100%					
			0.2Hz	50%	40%	2.6s	$\times 0.3$	$\times 1.2$	5	45%					
		INITIAL DELAY	INI DLY												
			0.1 ~ 1000.0ms												
			30.0ms												
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q		
			32Hz ~ 2.2kHz	-15 ~ +15dB	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0		
			315Hz	0dB	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0		
		EQ ON	EO ON/OFF												
			OFF,ON												
			OFF												
		LST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL							
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%							
			10.0ms	0%	15.0ms	0%	15.8ms	0%							
LEVEL	BALANCE	OUT LVL	OUT PHASE												
	0 ~ 100%	0 ~ 200%	OFF,ON												
	100%	100%	OFF												
DENSITY	DENSITY	LPF FRQ.	SPACE MOD	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.							
	1 ~ 4	*1	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF,ON							
	4	6.3kHz	0	0	20.0ms	150ms	5ms	OFF							
MUTE	MUTE ON/OFF														
	OFF,ON														
	OFF														
BYPASS	BYPASS ON/OFF														
	OFF,ON														
	OFF														

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																
			1	2	3	4	5	6	7	8	9	10	11	12					
93	SYMPHO. & REV & G	PARAM-ENTER	MOD. FRQ.	MOD. DEPTH	REV TIME	HIGH	LOW	DIFFUSION	REV MIX										
			0.1 ~ 40.0Hz	0 ~ 100%	0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10	0 ~ 100%										
			0.7Hz	50%	2.6s	$\times 0.3$	$\times 1.2$	5	45%										
		INITIAL DELAY	INI DLY																
			0.1 ~ 1000.0ms																
			30.0ms																
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q						
			32Hz ~ 2.2kHz	32Hz ~ 2.2kHz	15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	15 ~ +15dB	0.1 ~ 5.0						
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0						
		EQ ON/OFF	EQ ON/OFF																
			OFF, ON																
			OFF																
		SET REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL											
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%											
			10.0ms	0%	15.0ms	0%	15.8ms	0%											
LEVEL	BALANCE	OUT LVL	OUT PHASE																
	0 ~ 100%	0 ~ 200%	OFF, ON																
	100%	100%	OFF																
INT. PARAM	DENSITY	LPF FRQ.	SPACE MOD	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG											
	1 ~ 4	*1	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF, ON											
	4	6.3kHz	0	0	20.0ms	150ms	5ms	OFF											
MUTE	MUTE ON/OFF																		
	OFF, ON																		
	OFF																		
BYPASS	BYPASS ON/OFF																		
	OFF, ON																		
	OFF																		

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME & G	PARAMETER SELECT KEY	PARAMETER														
			1	2	3	4	5	6	7	8	9	10	11	12			
94	PC & REV & G	PARAMETER	PITCH	FINE	DELAY	F.B. GAIN	BASE KEY	REV TIME	HIGH	LOW	DIFFUSION	REV MIX					
				-100 ~ +100	0.1 ~ 400.0ms	0 ~ 99%	OFF, C1 ~ C6	0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10	0 ~ 100%					
			0	0	0.1ms	0%	C3	2.6s	$\times 0.3$	$\times 1.2$	5	45%					
			INI DLY														
			INITIAL DELAY														
			0.1 ~ 1000.0ms														
			30.0ms														
			LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q				
			32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0				
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0				
			EQ ON/OFF														
			EQ ON														
			OFF														
			Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rich DLY	Rich LVL									
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%									
	10.0ms	0%	15.0ms	0%	15.8ms	0%											
	BALANCE	OUT LVL	OUT PHASE														
	0 ~ 100%	0 ~ 200%	OFF, ON														
	100%	100%	OFF														
	PITCH BAL	DENSITY	LPF FRQ.	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.									
	0 ~ 100%	1 ~ 3	*1	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF, ON									
	100%	3	6.3kHz	0	20.0ms	150ms	5ms	OFF									
	MUTE ON/OFF																
	MUTE																
	OFF, ON																
	OFF																
	BYPASS ON/OFF																
	BYPASS																
	OFF, ON																
	OFF																

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																	
			1	2	3	4	5	6	7	8	9	10	11	12						
95	REV & SYMPHO. & G	PARAMETER	REV TIME	HIGH	LOW	DIFFUSION	MOD FRQ	MOD DEPTH	REV MIX											
			0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10	0.1 ~ 40.0Hz	0 ~ 100%	0 ~ 100%											
			2.6s	$\times 0.3$	$\times 1.2$	5	0.7Hz	50%	45%											
		INITIAL DELAY	INI DLY																	
			0.1 ~ 1000.0ms																	
			30.0ms																	
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q							
			PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0							
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0							
		EQ ON/OFF	EQ ON/OFF																	
			OFF, ON																	
			OFF																	
		1ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL												
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%												
			10.0ms	0%	15.0ms	0%	15.8ms	0%												
LEVEL	BALANCE	OUT LVL	OUT PHASE																	
	0 ~ 100%	0 ~ 200%	OFF, ON																	
	100%	100%	OFF																	
INT PROGRAM	DENSITY	LPF FRQ.	SPACE MOD	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.												
	1 ~ 4	*1	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF, ON												
	4	6.3kHz	0	0	20.0ms	150ms	5ms	OFF												
MUTE	MUTE ON/OFF																			
	OFF, ON																			
	OFF																			
BYPASS	BYPASS ON/OFF																			
	OFF, ON																			
	OFF																			

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER											
			1	2	3	4	5	6	7	8	9	10	11	12
96	REV & PAN & G		REV TIME	HIGH	LOW	DIFFUSION	PAN SPEED	DIRECTION	DEPTH	REV MIX				
			$0.3 \sim 99.0s$ $\times 0.1 \sim \times 1.0$ $\times 0.3$	$0.1 \sim \times 2.4$	$0 \sim 10$	$0.1 \sim 40.0Hz$	*	$0 \sim 100\%$						
			2.6s	$\times 1.2$	5	0.7Hz	L → R	75%	45%					
			INI DLY											
			$0.1 \sim 1000.0ms$											
			30.0ms											
			LOW EQ.	LOW FRQ.	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q		
			PEAK, SHLV	$32Hz \sim 2.2kHz$	$-15 \sim +15dB$	$0.1 \sim 5.0$	$-15 \sim +15dB$	$0.1 \sim 5.0$	PEAK, SHLV	$500Hz \sim 16kHz$	$-15 \sim +15dB$	$0.1 \sim 5.0$		
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	PEAK	4.0kHz	0dB	1.0		
			EQ ON/OFF											
			OFF,ON											
			OFF											
			Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			$0.1 \sim 1000.0ms$	$0 \sim 100\%$	$0.1 \sim 1000.0ms$	$0 \sim 100\%$	$0.1 \sim 1000.0ms$	$0 \sim 100\%$						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
	BALANCE	OUT LVL	OUT PHASE											
	$0 \sim 100\%$	$0 \sim 200\%$	OFF,ON											
	100%	100%	OFF											
	DENSITY	LPF FRQ	SPACE MOD.	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.						
	1 ~ 4	*2	$0 \sim 10$	$0 \sim 100$	$0.1 \sim 1000.0ms$	$1 \sim 24000ms$	$3 \sim 24000ms$	OFF,ON						
	4	6.3kHz	0	0	20.0ms	150ms	5ms	OFF						
	MUTE ON/OFF													
	OFF,ON													
	OFF													
	BYPASS ON/OFF													
	OFF,ON													
	OFF													

\*1: L → R, L ← R, L ↔ R

\*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER											
			1	2	3	4	5	6	7	8	9	10	11	12
97	REV & PC & G	<input type="checkbox"/> PARAM <input type="checkbox"/> ETERN <input type="checkbox"/>	REV TIME	HIGH	LOW	DIFFUSION	L PITCH	L FINE	L DLY	R PITCH	R FINE	R DLY	BASE KEY	REV MIX
			0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10	-12 ~ x + 12	-100 ~ +100	0.1 ~ 200.0ms	-12 ~ +12	0.1 ~ 200.0ms	-100 ~ +100	0.1 ~ 200.0ms	OFF.C1 ~ C6
			2.6s	$\times 0.3$	$\times 1.2$	5	0	+8	0.1ms	0	-8	0.1ms	C3	45%
			INI DLY											
			0.1 ~ 1000.0ms											
			30.0ms											
			LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q	
			PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0	
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0	
			EQ ON/OFF											
			OFF.ON											
			OFF											
			Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL						
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%						
			10.0ms	0%	15.0ms	0%	15.8ms	0%						
			BALANCE	OUT LVL	OUT PHASE									
			0 ~ 100%	0 ~ 200%	OFF.ON									
			100%	100%	OFF									
			PITCH BAL	DENSITY	LPF FRQ	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.				
			0 ~ 100%	1 ~ 3	*1	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF.ON				
			100%	3	6.3kHz	0	20.0ms	150ms	5ms	OFF				
			MUTE ON/OFF											
			OFF.ON											
			OFF											
			BYPASS ON/OFF											
			OFF.ON											
			OFF											

\*1: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																	
			1	2	3	4	5	6	7	8	9	10	11	12						
98	ER + REV & G	PARAMETER	MODE	LIVENESS	ROOM SIZE	ER DIF	REV TIME	HIGH	LOW	REV DIF										
			*1	0 ~ 10	0.1 ~ 25.0	0 ~ 10	0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10										
			S-HALL	5	2.0	5	2.6s	$\times 0.3$	$\times 1.2$	5										
		INITIAL DELAY	INI DLY																	
			0.1 ~ 1000.0ms																	
			10.0ms																	
		EQ	LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q							
			PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0							
			PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0							
		EQ ON/OFF	EQ ON/OFF																	
			OFF ON																	
			OFF																	
		ST REF	Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rev DLY	Rev LVL												
			0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%												
			10.0ms	0%	15.0ms	0%	15.8ms	0%												
LEVEL	BALANCE	OUT LVL	OUT PHASE																	
	0 ~ 100%	0 ~ 200%	OFF, ON																	
	100%	100%	OFF																	
MTR PARAM	ER/REV BAL	ER DLY	ER NUMBER	REV DLY	DENSITY	LPF FRQ.	SPACE MOD.	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.								
	0 ~ 100%	0.1 ~ 500.0ms	1 ~ 14	0.1 ~ 500.0ms	1 ~ 4	*2	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF, ON								
	50%	0.1ms	14	20.0ms	4	6.3kHz	0	0	0.1ms	150ms	5ms	OFF								
MUTE	MUTE ON/OFF																			
	OFF ON																			
	OFF																			
BYPASS	BYPASS ON/OFF																			
	OFF ON																			
	OFF																			

\*1: S-HALL, L-HALL, RANDOM, REVERSE, PLATE, SPRING, PAN-A, PAN-B  
 \*2: 1.0kHz ~ 16kHz, THRU

MEM. NO.	PROGRAM NAME	PARAMETER SELECT KEY	PARAMETER																				
			1	2	3	4	5	6	7	8	9	10	11	12									
99	PLATE & HALL & G	PARAMETER	REV1 TIME	1 HIGH	1 LOW	1 DIFFUSION	REV2 TIME	2 HIGH	2 LOW	2 DIFFUSION													
			0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10	0.3 ~ 99.0s	$\times 0.1 \sim \times 1.0$	$\times 0.1 \sim \times 2.4$	0 ~ 10	$\times 0.1 \sim \times 1.2$	0 ~ 10											
		2.0s	$\times 0.5$	$\times 1.2$	5	2.6s	$\times 0.3$	$\times 1.2$	5														
		INI DLY																					
		0.1 ~ 1000.0ms																					
		10.0ms																					
		LOW EQ.	LOW FRQ.	LOW GAIN	LOW Q	MID FRQ.	MID GAIN	MID Q	HI EQ.	HI FRQ.	HI GAIN	HI Q											
		PEAK, SHLV	32Hz ~ 2.2kHz	-15 ~ +15dB	0.1 ~ 5.0	250Hz ~ 5.6kHz	-15 ~ +15dB	0.1 ~ 5.0	PEAK, SHLV	500Hz ~ 16kHz	-15 ~ +15dB	0.1 ~ 5.0											
		PEAK	315Hz	0dB	1.0	1.0kHz	0dB	1.0	PEAK	4.0kHz	0dB	1.0											
		EO ON/OFF																					
		OFF, ON																					
		OFF																					
		Cch DLY	Cch LVL	Lch DLY	Lch LVL	Rch DLY	Rch LVL																
		0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%	0.1 ~ 1000.0ms	0 ~ 100%																
		10.0ms	0%	15.0ms	0%	15.8ms	0%																
		BALANCE	OUT LVL	OUT PHASE																			
		0 ~ 100%	0 ~ 200%	OFF, ON																			
		100%	100%	OFF																			
		REV1/2 BAL	REV1 DLY	REV2 DLY	DENSITY	LPF FRQ.	SPACE MOD.	TRG LEVEL	TRG DLY	HOLD	RELEASE	MIDI TRG.											
		0 ~ 100%	0.1 ~ 500.0ms	0.1 ~ 500.0ms	1 ~ 4	*1	0 ~ 10	0 ~ 100	0.1 ~ 1000.0ms	1 ~ 24000ms	3 ~ 24000ms	OFF, ON											
50%	10.0ms	30.0ms	4	6.3kHz	0	0	0.1ms	150ms	5ms	OFF													
MUTE ON/OFF																							
OFF, ON																							
OFF																							
BYPASS ON/OFF																							
OFF, ON																							
OFF																							

\*1: 1.0kHz ~ 16kHz, THRU

# 11: BLANK CHART

**YAMAHA REVS**

## USER PROGRAMMING TABLE

Date: \_\_\_\_\_

Programmer: \_\_\_\_\_

Memory No.	Program Title	Memory No.	Program Title	Memory No.	Program Title
31		51		71	
32		52		72	
33		53		73	
34		54		74	
35		55		75	
36		56		76	
37		57		77	
38		58		78	
39		59		79	
40		60		80	
41		61		81	
42		62		82	
43		63		83	
44		64		84	
45		65		85	
46		66		86	
47		67		87	
48		68		88	
49		69		89	
50		70		90	

Memory No.: \_\_\_\_\_

Program Title: \_\_\_\_\_

Date: \_\_\_\_\_

Programmer: \_\_\_\_\_

PARAMETER SELECT KEYS	PARAMETER												
	1	2	3	4	5	6	7	8	9	10	11	12	
PARAM. ENTER													
INITIAL PUSH BUTTON													
EQ													
EQ ON													
REF PRE													
LEVEL													
PARAM													
MUTE													
BYPASS													

# YAMAHA REV5

## PROGRAM CHANGE NUMBER & MEMORY NUMBER

Date: \_\_\_\_\_

Programmer: \_\_\_\_\_

PGM 1	MEM	PGM 44	MEM	PGM 87	MEM
PGM 2	MEM	PGM 45	MEM	PGM 88	MEM
PGM 3	MEM	PGM 46	MEM	PGM 89	MEM
PGM 4	MEM	PGM 47	MEM	PGM 90	MEM
PGM 5	MEM	PGM 48	MEM	PGM 91	MEM
PGM 6	MEM	PGM 49	MEM	PGM 92	MEM
PGM 7	MEM	PGM 50	MEM	PGM 93	MEM
PGM 8	MEM	PGM 51	MEM	PGM 94	MEM
PGM 9	MEM	PGM 52	MEM	PGM 95	MEM
PGM 10	MEM	PGM 53	MEM	PGM 96	MEM
PGM 11	MEM	PGM 54	MEM	PGM 97	MEM
PGM 12	MEM	PGM 55	MEM	PGM 98	MEM
PGM 13	MEM	PGM 56	MEM	PGM 99	MEM
PGM 14	MEM	PGM 57	MEM	PGM 100	MEM
PGM 15	MEM	PGM 58	MEM	PGM 101	MEM
PGM 16	MEM	PGM 59	MEM	PGM 102	MEM
PGM 17	MEM	PGM 60	MEM	PGM 103	MEM
PGM 18	MEM	PGM 61	MEM	PGM 104	MEM
PGM 19	MEM	PGM 62	MEM	PGM 105	MEM
PGM 20	MEM	PGM 63	MEM	PGM 106	MEM
PGM 21	MEM	PGM 64	MEM	PGM 107	MEM
PGM 22	MEM	PGM 65	MEM	PGM 108	MEM
PGM 23	MEM	PGM 66	MEM	PGM 109	MEM
PGM 24	MEM	PGM 67	MEM	PGM 110	MEM
PGM 25	MEM	PGM 68	MEM	PGM 111	MEM
PGM 26	MEM	PGM 69	MEM	PGM 112	MEM
PGM 27	MEM	PGM 70	MEM	PGM 113	MEM
PGM 28	MEM	PGM 71	MEM	PGM 114	MEM
PGM 29	MEM	PGM 72	MEM	PGM 115	MEM
PGM 30	MEM	PGM 73	MEM	PGM 116	MEM
PGM 31	MEM	PGM 74	MEM	PGM 117	MEM
PGM 32	MEM	PGM 75	MEM	PGM 118	MEM
PGM 33	MEM	PGM 76	MEM	PGM 119	MEM
PGM 34	MEM	PGM 77	MEM	PGM 120	MEM
PGM 35	MEM	PGM 78	MEM	PGM 121	MEM
PGM 36	MEM	PGM 79	MEM	PGM 122	MEM
PGM 37	MEM	PGM 80	MEM	PGM 123	MEM
PGM 38	MEM	PGM 81	MEM	PGM 124	MEM
PGM 39	MEM	PGM 82	MEM	PGM 125	MEM
PGM 40	MEM	PGM 83	MEM	PGM 126	MEM
PGM 41	MEM	PGM 84	MEM	PGM 127	MEM
PGM 42	MEM	PGM 85	MEM	PGM 128	MEM
PGM 43	MEM	PGM 86	MEM		

**SERVICE**

This product is supported by Yamaha's worldwide network of factory trained and qualified dealer service personnel. In the event of a problem, contact your nearest Yamaha dealer.

# YAMAHA

YAMAHA CORPORATION  
P.O. Box 1, Hamamatsu, Japan