

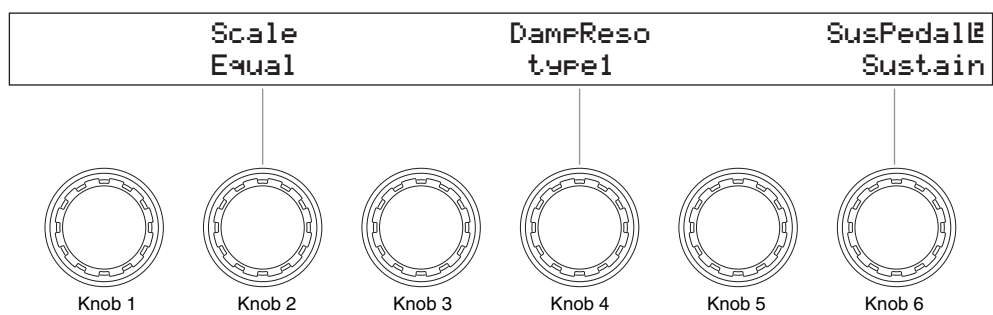
New Function with CP1 Version 1.10

As part of the CP1 firmware upgrade to version 1.10, a new *Damper Resonance Type* parameter has been added to the Utility screen in order to facilitate changing the type of string resonance. With certain piano types^{*1}, you can use this parameter to modify the piano sound produced when you press down the Sustain pedal. In line with the inclusion of this new function, some additions and changes must be made to the *Owner's Manual* and *Data List* booklet that came with your stage piano. These are described below.

^{*1}: Damper resonance can be used with the CF 3Band, CF 2Band, S6 3Band, and S6 2Band piano types.

Changing the Damper Resonance Type

- 1 Navigate to the second page of the Utility screen by pressing the [UTILITY] button, and if necessary, the [◀ PAGE] and [PAGE ▶] buttons.



- 2 Turn Knob 4 to set *DampReso* (damper resonance type) to “type1” or “type2”.
The effect of these settings is as follows.
type1: The sound of string resonance, which occurs in an acoustic piano when the damper pedal is pressed down, will be full and rich. This type of resonance was introduced with firmware version 1.01.
type2: The string resonance will sound more natural. This is a new type of resonance sound added with firmware version 1.10.

- 3 If necessary, adjust the degree to which damper resonance is applied.
Press and hold the [PIANO 1] or [PIANO 2] button (for at least one second), and then turn Knob 5 to adjust *DampReso* (damper resonance level).

NOTE The *DampReso* parameter (damper resonance level) can be adjusted only when a piano type featuring damper resonance has been selected.

Piano	Decay	Release	Key-off	DampReso	Hammer
CF 3Band	+0	+0	+0	+0	Normal

MIDI Data Table Changes

In line with addition of the *Damper Resonance Type* parameter, MIDI PARAMETER CHANGE TABLE (SYSTEM) – the MIDI data table from the *Data List* booklet – has been updated as shown below.

MIDI PARAMETER CHANGE TABLE (SYSTEM)

Address	Size	Data Range (HEX)	Parameter Name	Description	Notes
00 00 02	4	00 – 0F 00 – 0F 00 – 0F 00 – 0F	Master Tune	-102.4 – +102.3 [cent] 1st bit 3-0 → bit 15-12 2nd bit 3-0 → bit 11-8 3rd bit 3-0 → bit 7-4 4th bit 3-0 → bit 3-0	MIDI Master Tuning
	07	1	34 – 4C	Master Transpose	-12 – +12 (semitones)
	09	1	00 – 01	Local Switch	off, on
	0A	1	00 – 10, 7F	Basic Receive Channel	1 – 16, omni, off
	0B	1	00 – 0F, 7F	Keyboard Transmit Channel	1 – 16, off
	10	1	00 – 01	Piano Tuning Curve	flat, stretch
	12	1	00 – 04	Keyboard Velocity Curve	norm, soft, hard, wide, fixed
	13	1	01 – 7F	Keyboard Fixed Velocity	1 – 127
	19	1	00 – 01	MIDI Input	MIDI, USB MIDI
	20	1	00 – 06	Micro Tuning	Equal, PureMaj, PureMin, Pythag, MeanTn, WerckMt, KimBerger
	21	1	00 – 0B	Micro Tuning Root	C – B
	23	1	00 – 64	Sostenuto (Pedal-Center) Control Number	off, 1 – 95, 99 (PC Inc), 100 (PC Dec)
	24	1	00 – 64	Soft (Pedal-Left) Control Number	off, 1 – 95, 99 (PC Inc), 100 (PC Dec)
	25	1	00 – 08	Start Up Bank	PRE A, PRE B, PRE C, USR A, USR B, USR C, EXT A, EXT B, EXT C
	26	1	00 – 0F	Start Up Program Number	1 – 16
	27	1	00 – 01	Damper Resonance Type	type1, type2
	31	1	00 – 64	FS Assignable Control Number	off, 1 – 95, 99 (PC Inc), 100 (PC Dec)
	39	1	00 – 5F	FC2 Control Number	off, 1 – 95
	3A	1	00 – 5F	FC1 Control Number	off, 1 – 95
	3B	1	00 – 03	Sustain Pedal Select	Sustain Pedal, FC3 (Half On), FC3 (Half Off), FC4/5

TOTAL SIZE = 60 3C (HEX)

00 20 00	1	34 -4C	EQ Gain1	-12 – +12 [dB]	0 [dB]
	01	1	04 – 28	EQ Frequency1	32 – 2.0k [Hz]
	02	1	01 – 78	EQ Q1	0.1 – 12.0
	03	1	00 – 01	EQ Shape1	shelv, peak
	04	1	34 – 4C	EQ Gain2	-12 – +12 [dB]
	05	1	0E – 36	EQ Frequency2	100 – 10.0k [Hz]
	06	1	01 – 78	EQ Q2	0.1 – 12.0
	07	1		reserved	
	08	1	34 -4C	EQ Gain3	-12 – +12 [dB]
	09	1	0E – 36	EQ Frequency3	100 – 10.0k [Hz]
	0A	1	01 – 78	EQ Q3	0.1 – 12.0
	0B	1		reserved	
	0C	1	34 – 4C	EQ Gain4	-12 – +12 [dB]
	0D	1	0E – 36	EQ Frequency4	100 – 10.0k [Hz]
	0E	1	01 – 78	EQ Q4	0.1 – 12.0
	0F	1		reserved	
	10	1	34 – 4C	EQ Gain5	-12 – +12 [dB]
	11	1	1C – 3A	EQ Frequency5	500 – 16.0k [Hz]
	12	1	01 – 78	EQ Q5	0.1 – 12.0
	13	1	00 – 01	EQ Shape5	shelv, peak
	14	1	00 – 01	EQ On/Off	off, on
	15	1		reserved	

TOTAL SIZE = 22 16 (HEX)