



Sound Control - 5 : New Sounds in Revision 35 – Part 3

In this article we shall be looking at the following sounds:

Trumpet Live
Classical Piano
Jazz Guitar Django
Sax Tenor Live
Gypsy Violin

In each case the factory settings for each of the six Sound Control parameters will be presented in a table from my own Sounds database. The result of adjusting each of the parameters will be outlined with some recommendations of suitable values to achieve particular results. The comments are, of course, just my opinion!

Trumpet Live : 093-000-088

This is another Trumpet sound to add to the list. Here are the Sound Control default settings:

SC Number	SC Parameter	SC Inst Value
1	Release	25
2	Attack	0
3	Color	63
4	Tone	127
5	Vibrato	60
6	Mono Poly	0

Attack and **Release** have their usual functions. Release values up to around 65 provide further reverberation to this specific sound, though the preset Reverb 1 value is around 100 so there is an appreciable reverb to start with. Attack, for a trumpet, is best left at zero but, for special effect while playing slowly, values up to around 35 are usable.

Color changes the timbre of the sound, high values increasing the brightness and vice versa. Extreme values are best avoided.

Tone acts like a treble cut though with little effect until a value of 50 is reached.

Vibrato appears to have no effect.

Mono Poly provides polyphonic operation between 0 and 63 and monophonic operation between 64 and 127.

Aftertouch appears to have no effect.

Classical Piano : 093-000-089

This is listed in the Wersi database as Flügel Klassik. It is a very realistic sound which provides the degree of bass weight needed as well as the expected sound of the upper keys. By varying the Dynamic value the response to attack can be changed. Values between 4 and 7 should be tried. Reverb 1 is preset to around 65 and Reverb 2 to around 50.

Here are the Sound Control default settings:

SC Number	SC Parameter	SC Inst Value
1	Release	63
2	Hammer Noise	0
3	Velocity Tone	94
4	Tone	50
5	Velocity Level	101
6	Width	127

Release provides the usual effect. High values sound as if the sustain pedal is held down while low values approximate to the damper pedal being down.

Hammer Noise is a characteristic Sound Control parameter for piano sounds. It is set not to provide such a noise and raising that value does not seem to make much difference.

Velocity Tone changes the sound when the keys are played lightly. High values provide a very quiet result while lower values reduce the effect of playing lightly. This is well worth experimenting with in conjunction with adjusting the dynamic value for appropriate pieces of music.

Tone does as it says, low values dulling the sound and high values brightening it.

Velocity Level acts in conjunction with Velocity Tone. High values of both result in very gentle playing producing very little sound. Low values of both cause no change in the timbre of the sound when playing lightly. This combination is worth experimenting with for appropriate pieces of music.

Width adjusts the stereo effect. 127 provides the maximum effect with lower values progressively bringing the sound to the centre leaving only the reverb to be in stereo.

Jazz Guitar Django : 093-000-090

Only those who are very familiar with the sound of Django Reinhardt's guitar playing will be able to comment on the authenticity of this sound. It sounds good to me but I'm not one of the above people. Aftersound here has an interesting effect. It provides a vibrato. This allows the player to wobble the key (Yamaha style) to produce a vibrato to the decaying string sound.

Here are the Sound Control default settings:

SC Number	SC Parameter	SC Inst Value
1	Release	63
2	Width	63
3	EQ	63
4	Tone	114
5	Color	63
6	Attack Shape	0

Release provides the usual effect.

Width adjusts the stereo effect as in the previous sound.

EQ - low values dull the sound while higher values make it brighter.

Tone acts just like a Tone control, high values producing a brighter sound.

Color changes the timbre of the sound.

The previous three parameters need to be adjusted relative to each other.

Attack Shape alters the effect of attack in terms of brightness of the sound, higher values progressively making the result more dull.

Sax Tenor Live : 093-000-091

This is a beautiful tenor saxophone sound with a noticeable breath effect and a built-in vibrato. It has almost the maximum Reverb 1 value. Here are the Sound control default settings:

SC Number	SC Parameter	SC Inst Value
1	Release	24
2	Attack	0
3	Color	63
4	Tone	127
5	Attack Shape	12
6	Mono Poly	127

Release and **Attack** provide the usual effects. Increasing the Attack value slightly provides a nice lazy sax for slow numbers.

Color changes the nature of the instrument, lower values taming the breath effect slightly.

Tone has the usual effect, again with quite low values being needed to hear any result.

Attack Shape alters the effect of gentle attack on the tone of the sound, higher values lowering the brightness achieved when hitting the keys gently.

Mono Poly values of 0 to 63 provide monophony while values of 64 to 127 provide polyphony.

Gypsy Violin : 093-000-092

This is listed in the Wersi database as Violine Zigeuner. It is set at a preset pitch of 4' with a Reverb 1 setting of around 100. It has a built-in vibrato whose depth and frequency lowers with lower pitch from around Middle C down (keyboard Middle C, not pitch Middle C). Here are the Sound Control default settings:

SC Number	SC Parameter	SC Inst Value
1	Release	21
2	Attack	7
3	Vibrato	0
4	Tone	127
5	Stereo	0
6	Attack Shape	0

Release and **Attack** provide the usual effects.

Vibrato and **Tone** seem to have no effect.

Stereo provides the same kind of effect as Width, higher values providing a definite pitch position laid out, low pitch notes to the left and high pitch notes to the right.

Attack Shape, when raised in value, allows less variation in tone when adjusting the speed with which the keys are hit than low values will allow, though the effect is subtle.

In the next article in this series we shall be looking at the next five sounds in this set:

E-Guitar Ricky

Contrabass Ensemble

Trumpet Ensemble

Classical Small Strings

Stratocaster Without Vibrato

In the meantime, enjoy your explorations.

Colin
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