



TONE GENERATOR

sonority

midi implementation

sound lists
optional sound packs

- ★ 100 accordions
- ★ 100 organs
- ★ celtic instruments

GENERAL
miDi
SOUND SET

V3SOUND.COM

SAFETY PRECAUTIONS

SAFETY INSTRUCTIONS

- Read the user manual before using the device
- Do not allow any liquid to come in contact with the device
- Do not place anything on top of the device
- Do not handle the power supply with wet hands
- Turn off all connected devices before you connect any new devices

Do not use or store the device where it is exposed to:

- dampness or wetness
- extreme temperature changes (i.e. do not store in a vehicle in winter)
- strong vibrations or jolts



HANDLING

- Use only the original cables and power supply
- Remove the cable only by pulling on the plug, not on the cable
- Do not expose the power adapter to any mechanical stress

CUSTOMER SERVICE

Do not carry out any repairs at home, as this may result in permanent damage to the electronics. Any guarantee claims are no longer valid in this case.

ACCESSORIES

Manual and power

POWER REQUIREMENT

9VDC / 1.0A

HUMIDITY

max. 80%, non-condensing

OPERATING TEMPERATURE

10 to 40 degrees Celsius

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SPECIFICATIONS

- Master Volume
- Master Reverb
- 4GB flash memory
- 16 MIDI channels
- 4 audio out (2 stereo)
- Polyphony 256 voice
- Ports available for 1 sustain foot pedal
- Dimensions: 12cm (L) x 12cm (W) x 6cm (H)
- Weight: 0,2kg
- USB Host



The CE certification is available at <http://www.v3sound.com/support/>



This product conforms to the FCC 47 CFR PART 15 SUBPART B

V3SOUND GMBH
Kirchplatz 7 - 6114 Kolsass - Austria - Europe

BANK CONCEPT

The sound board will just give sound, when you call up a sound with a bank and program number from this sound list. Sending a bank message with another value - NO SOUND!

LEGEND

HPF	High Pass Filter: Use the cutoff parameter to set the low frequency limit. When you do this, the sound will naturally be brighter and thinner. A cutoff value over 64 usually needs to be selected just so you notice the change.
120FX	Find on note number 120 different effect. They are placed in velocity zones each 24 steps.
120FX ²	Find on note number 120 different effect. They are placed in velocity zones each 10 steps.
(1)	DRUM MAP - exclusive mode for percussion sounds - only one of these sounds can be active.
vel.	Velocity split

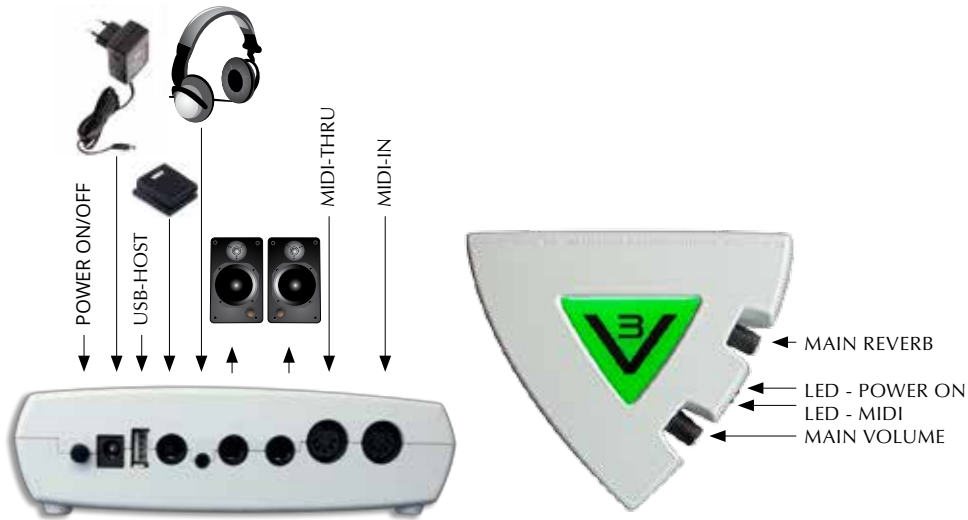
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USER INTERFACE PORTS



CONNECT - USB KEYS

To avoid possible damage to the loud speakers or other connected electronic devices, always connect all cables before turn on the amplifier. Turn on the V3 unit first before turning on any active loud speakers or amplifiers.

- 1 Make sure the POWER switch on the back of the device is in the OFF position (LED light is not on).
- 2 Plug the power adapter that came with the device into the DC port on the back of the unit.
- 3 Connect the audio outputs to an amplifier, active loudspeakers or headphones.
- 4 Connect the MIDI-cable or the USB cable.

TO TURN ON

Before you turn the device on or off, make sure that all connected audio devices that amplify the audio signal (mixer, amplifier, active loud-speakers) have their volumes turned down.

- 1 Turn the power on by pressing the POWER ON/OFF switch on the back of the device.
- 2 Turn up the V3 unit MAIN VOLUME potentiometer to maximum.
- 3 Adjust the volume on your mixer or active loudspeaker.

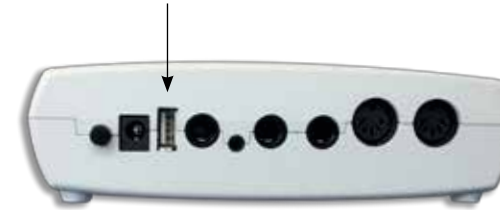
Turn the volume on the V3 unit as loud as possible, and adjust the volume of the sound on your mixer.

CONNECT - USB KEYS

The V3 unit can be connected to any USB Audio Class 1 compatible Keyboard.

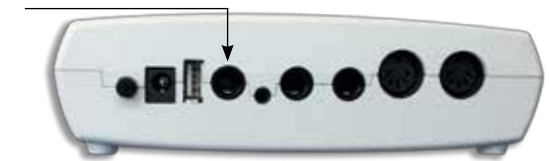
The V3 unit supports your USB keyboard with a maximum 500mA power. Please check the power consumption of your keyboard exceeds 500mA. Otherwise connect your keyboard to an external power-supply.

Just plug in your USB keyboard here.



FOOT PEDAL

The polarity of the sustain footpedal is set up automatically on power on. The pedal works just work in MIDI-Channel 1.



AUX OUT - STEREO

To use the AUX OUT for any MIDI channel, it's necessary to change 4 internal switches and to send a MIDI Message on the required MIDI channel.

Also the connection is to change from 2 mono Jack to 2 stereo jacks.

One stereo jack gives you the MAIN in stereo, on the other one the AUX in stereo.



STEREO L + R = B A B B

STEREO + AUX = A B A A



GENERAL MIDI MAIN

BANK 0



1	Grand Piano
2	Bright Piano
3	Electric Grand Piano
4	Honky Tonk
5	E-Piano Tines
6	E-Piano FM
7	Harpsichord
8	Clavinet
9	Celesta
10	Glockenspiel
11	Music Box
12	Vibraphon
13	Marimba
14	Xylophon
15	Tubular Bell
16	Dulcimer
17	Drawbar Organ
18	Percussive Organ
19	Rock Organ
20	Church Organ
21	Reed Organ
22	Accordion
23	Harmonica
24	Accordion Tango
25	Nylon Guitar
26	Acoustic Steel
27	Jazz Guitar
28	Guitar clean
29	Guitar mute clean
30	Overdrive Guitar
31	Distortion Guitar
32	Guitar harmonics

33	Upright Jazz Bass
34	E-Bass fingered
35	E-Bass picked
36	Fretless Bass
37	Slap Bass 1
38	Slap Bass 2
39	Synth Bass 1
40	Synth Bass 2
41	Violin
42	Viola
43	Cello
44	Contrabass
45	Tremolo Strings
46	Pizzicato Strings
47	Harp
48	Timpani
49	String Ensemble 1
50	String Ensemble 2
51	Synth Strings 1
52	Synth Strings 2
53	Choir Aahs
54	Voice Dohs
55	Synth Voice
56	Orchestra Hit
57	Trumpet
58	Trombone
59	Tuba
60	Trp. Mute
61	Horn
62	Brass Section
63	Synth Brass 1
64	Synth Brass 2

GENERAL MIDI MAIN

BANK 0

65	Sopran Sax
66	Alto Sax
67	Tenor Sax
68	Bariton Sax
69	Oboe
70	English Horn
71	Bassoon
72	Clarinet
73	Piccolo
74	Flute
75	Recorder
76	Pan Flute
77	Blown Bottle
78	Shakuhachi
79	Whistle
80	Ocarina
81	Square Lead
82	Saw Lead
83	Calliope
84	Chiffer Lead
85	Charang
86	Solo Vox
87	5th Saw wave
88	Bass & Lead
89	New Age
90	Warm Pad
91	Polysynth
92	Choir pad
93	Bowed
94	Metallic
95	Halo pad
96	Sweep

97	Rain
98	Soundtrack 5th
99	Crystal
100	Atmosphere
101	Brightness
102	Goblins
103	Echoes
104	Sci-fi Star
105	Sitar
106	Banjo
107	Shamisen
108	Koto
109	Kalimba
110	Bag pipe
111	Fiddle
112	Shanai
113	Tinkle Bell
114	Agogo
115	Steel Drums
116	Woodblock
117	Taiko Drum
118	Melodic Tom
119	Synth Drum
120	Reverse Cymbal
121	Guitar Noise
122	Breath Noise
123	Seashore
124	Bird
125	Telephon
126	Helicopter
127	Applaus
128	Gunshot

VARIATION SOUNDS

Sound bank 55 offers the same sounds as GM sound bank 0. But all sounds has more volume and the sound use OSC overlapping. All sounds in this sound bank needs more polyphony as in Bank 0.

MSB	Prg.	
55	1	Grand Piano
56	1	Classic Grand Piano
57	1	Rock Piano
58	1	Grand Stack 1 FM
59	1	Grand Piano Tinkle
60	1	Grand Piano and Pad
55	2	Bright Piano
56	2	Octave Piano
57	2	Bright Rock Piano
58	2	Grand Stack 2 EP
59	2	Grand Piano just Pad
60	2	Grand Piano Tremolo
55	3	Electric Grand Piano
56	3	Electric Grand Piano 2
57	3	Electric Grand Piano Trem.
58	3	Electric Grand Piano Stack
59	3	Electric Grand Piano Trem.
60	3	Electric Grand Piano hard Atk
55	4	Honky Tonk
56	4	E-Piano Wurly
57	4	E-Piano Wurly Trem. slow
58	4	E-Piano Wurly Tinkle
59	4	E-Piano Wurly Trem. fast
60	4	E-Piano Wurly Tinkle Trem.sl.
55	5	E-Piano Tines
56	5	E-Piano Tines Tinkle
57	5	E-Piano Tines Tremolo slow
58	5	E-Piano Tines Stack Bells
59	5	E-Piano Tines Tremolo fast
60	5	E-Piano Tines Tinkle Trem. sl.
55	6	E-Piano FM
56	6	E-Piano FM B
57	6	E-Piano FM filter
58	6	E-Piano FM detuned
59	6	E-Piano FM soft pad
60	6	E-Piano FM soft pad tremolo

MSB	Prg.	
55	7	Harpsichord
56	7	Harpsichord plus octave
57	7	Harpsichord octave delay
58	7	Har. Oct. delay long release
55	8	Clavinet
56	8	Clavinet filter
55	9	Celesta
56	9	Celesta Tinkle
57	9	Celesta Tinkle filter
58	9	Celesta just Attack
59	9	Celesta Tinkle and Pad
60	9	Celesta Tinkle octave delay
55	10	Glockenspiel
55	11	Music Box
56	11	Music Box oct. delay
57	11	Music Box oct. delay soft Atk.
55	12	Vibraphon
56	12	Vibraphon short release
57	12	Vibraphon soft Attack
58	12	Vibraphon no Vib.
59	12	Vibraphon no Vib. shot Rel.
60	12	Vibraphon fast Tremolo
55	13	Marimba
56	13	Marimba octave delay
57	13	Marimba & Xylo.octave delay
58	13	Marimba & Xylophon
55	14	Xylophon
56	14	Xylophon octave delay
55	15	Tubular Bell
56	15	Tubular Bell 2
55	16	Dulcimer
56	16	Dulcimer bright
57	16	Dulcimer 3
58	16	Dulcimer 3 out of tune
59	16	Dulcimer Tremolo
60	16	Dulcimer Fade in

VARIATION SOUNDS

MSB	Prg.	
55	17	Drawbar Organ
56	17	Ham 776555678 slow
57	17	Ham 776555678 fast
58	17	Ham 800000568 slow
59	17	Ham 800000568 fast
60	17	Ham 807800000 slow
55	18	Percussive Organ
56	18	Entertainer Organ Germany 1
57	18	Entertainer Organ Germany 2
58	18	Vintage German Organ 1
59	18	Vintage German Organ 2
60	18	Ham 807800000 fast
55	19	Rock Organ
56	19	Organ FL 1
57	19	Organ FL 2
58	19	Ham 800000000 slow
59	19	Ham 800000000 fast
55	20	Church Organ
56	20	Church Organ 2
57	20	Church Organ Flutes
55	21	Reed Organ
56	21	Theatre Organ Mighty
57	21	Theatre Organ Piston
58	21	Theatre Organ Acc
55	22	Accordion
56	22	Accordion Alpin 888
57	22	Accordion French Musette
58	22	Accordion French Celeste
59	22	Steirische Harmonika
60	22	Vox 4 Hawaii soft pad
55	23	Harmonica
55	24	Accordion Tango
56	24	Accordion Reed 16 Jazz
57	24	Accordion Reed 8 SCVI
58	24	Melodeon 8
59	24	Bandoneon
60	24	Vox 4 Hawaii fast

MSB	Prg.	
55	25	Nylon Guitar (120FX)
56	25	Ny. Git. soft (120FX)
57	25	Ny. Git. hard layer (120FX)
58	25	Ny. Git. death note (120FX)
59	25	Ny. Git. oct. Arp (120FX)
55	26	Acoustic Steel (120FX)
56	26	Acoustic Steel soft layers
57	26	Acoustic Steel hard (120FX)
58	26	Ac. Steel Double (120FX)
59	26	Acoustic Steel fall (120FX)
55	27	Jazz Guitar (120FX)
56	27	Jazz Guitar - note off (120FX)
57	27	Jazz Guitar Mute (120FX)
58	27	Jazz Guitar Mute DN (120FX)
59	27	Jazz Guitar Octave
55	28	Guitar clean (120FX)
56	28	Guitar clean soft EQ (120FX)
57	28	Guitar clean - PAD (120FX)
58	28	Guitar clean - stop (120FX)
59	28	Acoustic Steel Mute (120FX)
55	29	Guitar mute clean (120FX)
56	29	Guitar mute HPF (120FX)
55	30	Overdrive Guitar (120FX) ²
56	30	Overdrive Guitar 8th (120FX) ²
57	30	Ov. Git. Death note (120FX) ²
55	31	Distortion Guitar (120FX) ²
56	31	Distortion Guitar 8th (120FX) ²
57	31	Dis. Gt. Death note (120FX) ²
55	32	Guitar harmonics
56	32	Nylon Guitar harmonics

VARIATION SOUNDS

MSB	Prg.	
55	33	Upright Jazz Bass
56	33	Upright Jazz Bass more Atk.
57	33	Upright JB no finger Atk.
55	34	E-Bass fingered
56	34	E-Bass fingered EQ1
57	34	E-Bass fingered EQ2
58	34	E-Bass fingered HQ
55	35	E-Bass picked
56	35	E-Bass picked dark
55	36	Fretless Bass
55	37	Slap Bass 1 (120FX)
55	37	Slap Bass 1 (120FX)
56	38	Slap Bass 2 (120FX)
56	38	Slap Bass 2 (120FX)
55	39	Synth Bass 1
56	39	Synth Bass 1 Reso
57	39	Synth Bass 1 Reso
58	39	Synth Bass 1 filter
55	40	Synth Bass 2
56	40	Synth Bass 2 Reso
57	40	Synth Bass 2 Reso
58	40	Synth Bass 2 filter
55	41	Violin
55	42	Viola
55	43	Cello
55	44	Contrabass
55	45	Tremolo Strings
55	46	Pizzicato Strings
55	47	Harp
55	48	Timpani

MSB	Prg.	
55	49	String Ensemble 1 20314
56	49	String Ensemble 1 ENV fast
57	49	String Ensemble 1 detache
58	49	String Ensemble 1 Layer
55	50	String Ensemble 2 20301ADL
56	50	String Ensemble 2 slow
57	50	String Ensemble 2 fad m3
58	50	String ENV - Filter ENV
59	50	String Ensemble 2 fad p3
55	51	Synth Strings 1
56	51	Synth Strings 1 filter up
57	51	Synth Strings 1 filter lfo
58	51	Synth Strings 1 filter
55	52	Synth Strings 2 MKS
56	52	Synth Strings 2 MKS dark
57	52	Synth Strings 2 MKS filter
58	52	Synth Strings 2 MKS rel.down
55	53	Choir Aahs
57	53	String Ens. Retro Synth. 1
58	53	String Ens. Retro Synth. 2
55	54	Voice Oohs
56	54	Voice Ooh
57	54	Voice Ooh Double
55	55	Synth Voice
56	55	Synth Voice 2 Layer
57	55	Synth Voice 2 Layer EQ
55	56	Orchestra Hit Major
56	56	Orchestra Hit Minor
55	57	Trumpet
56	57	Trumpet soft layers
57	57	Trumpet hard layers
59	57	Trumpet legato down vel.116
60	57	Trumpet 2 Vibrato forte
55	58	Trombone
56	58	Trombone soft layers
57	58	Trombone hard layers
55	59	Tuba
58	59	Bariton Bass (note 84 up FX)

VARIATION SOUNDS

MSB	Prg.	
55	60	Trp. Mute
56	60	Trp Mute auto variation
55	61	Horn
55	62	Brass Section
56	62	Brass Section Sfz
57	62	Brass Section fall fast
58	62	Brass Section fall slow
55	63	Synth Brass 1
55	64	Synth Brass 2
55	65	Sopran Sax
56	65	Sopran Sax soft Layers
57	65	Sopran Sax hard Layers
58	65	Sopran Sax soft Layers noise
55	66	Alto Sax
56	66	Alto Sax soft Layers
57	66	Alto Sax hard Layers
58	66	Alto Sax soft Layers noise
55	67	Tenor Sax
56	67	Tenor Sax only soft Layers
57	67	Tenor Sax only hard Layers
58	67	Tenor Sax soft Layers & noise
59	67	Tenor Sax medium version
60	67	Tenor Sax 2 soft Jazz
55	68	Bariton Sax
55	69	Oboe
55	70	English Horn
55	71	Bassoon
55	72	Clarinet
56	72	Clarinet noise
55	73	Piccolo
55	74	Flute
56	74	Flute EQ
57	74	Flute EQ2

MSB	Prg.	
55	75	Recorder
55	76	Pan Flute
55	77	Blown Bottle
56	77	Blown Bottle soft
57	77	Blown Bottle filter
58	77	Blown Bottle filter LFO
55	78	Shakuhachi
55	79	Whistle
55	80	Ocarina
55	81	Square Lead
56	81	Square Lead 1 Layer
57	81	Square Lead filter ENV
58	81	Square Lead soft Atk.
55	82	Saw Lead
56	82	Saw Lead ENV
57	82	Saw Lead HPF
58	82	Saw Lead dynamic filter
59	82	Saw Lead dynamic filter 24db
55	83	Calliope
56	83	Calliope no noise
55	84	Chiffer Lead
56	84	Chiffer Lead 2
57	84	Chiffer Lead Reso
58	84	Chiffer Lead Notch
59	84	Hook Lead
60	84	Reco Pluck
55	85	Charang
56	85	Charang Low Pass
57	85	Poly FM
55	86	Solo Vox
56	86	Solo Vox Filter
57	86	Solo Vox Filter pad
58	86	Solo Vox Filter Rise
55	87	5th Saw wave
56	87	Saw wave dynamic short
57	87	Saw wave 2
58	87	Saw wave soft

VARIATION SOUNDS

MSB	Prg.	
55	88	Bass & Lead
56	88	Bass & Lead tuned
57	88	Bass & Lead perc.
58	88	Bass & Lead reso
<hr/>		
55	89	New Age
56	89	New age 2
57	89	New age 816
58	89	New age DX1
59	89	New age double
<hr/>		
55	90	Warm Pad
56	90	Warm Pad less bass
57	90	Pad Obx
58	90	Soft Pad Obx
59	90	Dark Pad Obx
60	90	Pad Obx Rise
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55	91	Polysynth
56	91	Polysynth filter
57	91	Polysynth bright
58	91	Choir pad filter
59	91	Choir pad filter up
<hr/>		
55	92	Choir pad
56	92	Choir pad 2
57	92	Choir pad 3
<hr/>		
55	93	Bowed
56	93	More Metal Pad
<hr/>		
55	94	Metallic
<hr/>		
55	95	Halo pad
<hr/>		
55	96	Sweep
56	96	Sweep fast
57	96	Sweep fast attack
<hr/>		
55	97	Rain
<hr/>		
55	98	Soundtrack 5th
56	98	Soundtrack
57	98	Soundtrack soft
58	98	Soundtrack fast
60	98	Soundtrack fast fad stereo
<hr/>		
55	99	Crystal
56	99	Crystal HPF
57	99	Crystal note off

MSB	Prg.	
55	100	Atmosphere
56	100	Atmosphere 2
<hr/>		
55	101	Brightness
56	101	Brightness 10P
57	101	Brightness Notch
<hr/>		
55	102	Goblins
55	103	Echoes
55	104	Sci-fi Star
<hr/>		
55	105	Sitar
57	105	Rhy. Guitar Steel CX (120FX) ²
58	105	Rhy.Guitar soft CX (120FX) ²
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55	106	Banjo
57	106	Rhythm Guitar Folk
58	106	Rhythm Guitar Folk less Bass
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55	107	Shamisen
<hr/>		
55	108	Koto
58	108	Mandoline Tremolo
<hr/>		
55	109	Kalimba
55	110	Bag pipe
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55	111	Fiddle
56	111	Fiddle less Attack
<hr/>		
55	112	Shanai
55	113	Tinkle Bell
55	114	Agogo
55	115	Steel Drums
55	116	Woodblock
55	117	Taiko Drum
55	118	Melodic Tom
55	119	Synth Drum
<hr/>		
55	120	Reverse Cymbal
59	120	Bell noise motion
<hr/>		
55	121	Guitar Noise
55	122	Breath Noise
55	123	Seashore
55	124	Bird
55	125	Telephon
55	126	Helicopter
55	127	Applaus
55	128	Gunshot

SLIDE VARIATION SOUNDS

MSB	Prg.	
61	25	Ny. Git. slide 116 (120FX)
61	26	Ac. Steel slide 116 (120FX)
61	34	E-Bass fing. slide 116
61	57	Trumpet slide 116
61	65	Sopran Sax slide 116
61	66	Alto Sax slide 116
61	67	Tenor Sax 1 slide 116
61	72	Clarinet slide 116
61	106	Banjo slide 116
61	111	Fiddle slide up 116



This sound use a special velocity mapping. From the velocity value 116 to top you get a slide up sound.

CLASSIC ORCHESTRA

BANK MSB 62

	FULL Symphonic String Orchestra
01	Dynamic Marcato/Legato fast
02	Dynamic Marcato/Legato (no note-off)
03	Dynamic Marc./Leg. slow (no note-off)
04	Marcato/Legato (no note-off samples)
05	Marcato piano (no note-off samples)
	FULL Chamber Ensemble
06	Dynamic Marcato/Legato fast
07	Dynamic Marcato/Legato (no note-off)
08	Dynamic Marc. Leg. slow (no note-off)
09	Marcato/Legato (no note-off samples)
10	Marcato piano (no note-off samples)
	Group Ensembles
11	Violins Marcato/Legato fast
12	Violas Marcato/Legato fast
13	Celli Marcato/Legato fast
14	Contra.Bs. Marcato/Legato fast
	Just Piano Samples
15	Violins just piano Layer
16	Violins just piano Layer slow
17	Violas just piano Layer
18	Violas just piano Layer slow
	Ensemble Articulations
19	Pizzicato
20	Tremolo
22	Disco Violins short
23	Disco Violins Fall

	Violin Ensemble
31	Marcato
32	Slow Attack
33	Detache
34	Legato 1
35	Legato 2
36	Legato up bend - small
37	Legato up bend - medium
38	Legato down bend - small
39	Legato down bend - meium
40	Pizzicato
	Viola Ensemble
41	Marcato
42	Slow Attack
43	Detache
44	Legato 1
45	Legato 2
46	Legato up bend - small
47	Legato up bend - medium
48	Legato down bend - small
49	Legato down bend - medium
50	Pizzicato
	Cello Ensemble
51	Marcato
52	Slow Attack
53	Detache
54	Legato 1
55	Legato 2
56	Legato up bend - small
57	Legato up bend - medium
58	Legato down bend - small
59	Legato down bend - medium
60	Pizzicato
	Contrabass Ensemble
61	Marcato
62	Slow Attack
63	Detache
64	Legato 1
65	Legato 2
66	Legato up bend - small
67	Legato up bend - medium
68	Legato down bend - small
69	Legato down bend - medium
70	Pizzicato

CLASSIC ORCHESTRA

BANK MSB 62

	Solo Violin
71	Marcato
72	Slow Attack
73	Detache
74	Legato 1
75	Legato 2
76	Legato up bend - small
77	Legato up bend - medium
78	Legato down bend - small
79	Legato down bend - medium
80	Pizzicato
	Solo Viola
81	Marcato
82	Slow Attack
83	Detache
84	Legato 1
85	Legato 2
86	Legato up bend - small
87	Legato up bend - medium
88	Legato down bend - small
89	Legato down bend - medium
90	Pizzicato
	Solo Cello
91	Marcato
92	Slow Attack
93	Detache
94	Legato 1
95	Legato 2
96	Legato up bend - small
97	Legato up bend - medium
98	Legato down bend - small
99	Legato down bend - medium
100	Pizzicato
	Solo Contrabass
101	Marcato
102	Slow Attack
103	Detache
104	Legato 1
105	Legato 2
106	Legato up bend - small
107	Legato up bend - medium
108	Legato down bend - small
109	Legato down bend - medium
110	Pizzicato

	Solo Tremolo
111	Violin Tremolo
112	Viola Tremolo
113	Cello Tremolo
114	Contrabass Tremolo
	Solo Piano Layer only
115	Violin - Piano
116	Viola - Piano
	Ensembles no note-off samples
117	Violin Ens. Marcato (no note-off)
118	Violin Ens. Legato (no note-off)
119	Viola Ens. Marcato (no note-off)
120	Viola Ens. Legato (no note-off)
121	Cello Ens. Marcato (no note-off)
122	Cello Ens. Legato (no note-off)
123	Contrabass Ens. Marcato (no note-off)
124	Contrabass Ens. Legato (no note-off)

CLASSIC ORCHESTRA

BANK MSB 63

	Trumpet Ensemble
01	Marcato (velo. spl. piano47/forte48)
02	Marcato Piano
03	Staccato
04	Sforzato
05	Legato
06	Legato up bend - small
07	Legato up bend - medium
08	Legato down bend - small
09	Legato down bend - medium
10	-
	Trombone Ensemble
11	Marcato (velo. spl. piano47/forte48)
12	Marcato Piano
13	Staccato
14	Sforzato
15	Legato
16	Legato up bend - small
17	Legato up bend - medium
18	Legato down bend - small
19	Legato down bend - medium
20	-
	Horn Ensemble * Note Riff up
21	Marcato (velo. spl. piano47/forte48)
22	Marcato Piano
23	Staccato
24	Sforzato
25	Legato
26	Legato up bend - small
27	Legato up bend - medium
28	Legato down bend - small
29	Legato down bend - medium
30	-
	Tuben Ensemble
31	Marcato

	Tenorhorn Ensemble
41	Tenorhorn Ensemble

CLASSIC ORCHESTRA

BANK MSB 63

	Bb Trumpet
61	Marcato (velo. spl. piano47/forte48)
62	Marcato Piano
63	Staccato
64	Sforzato
65	Legato
66	Legato up bend - small
67	Legato up bend - medium
68	Legato down bend - small
69	Legato down bend - medium
70	-
	Trombone
71	Marcato (velo. spl. piano47/forte48)
72	Marcato Piano
73	Staccato
74	Sforzato
75	Legato
76	Legato up bend - small
77	Legato up bend - medium
78	Legato down bend - small
79	Legato down bend - medium
80	-
	Horn
81	Marcato (velo. spl. piano47/forte48)
82	Marcato Piano
83	Staccato
84	Sforzato
85	Legato
86	Legato up bend - small
87	Legato up bend - medium
88	Legato down bend - small
89	Legato down bend - medium
90	-
	Tuba
91	Marcato (velo. spl. piano47/forte48)
92	Marcato Piano
93	Staccato
94	Sforzato
95	Legato
96	Legato up bend - small
97	Legato up bend - medium
98	Legato down bend - small
99	Legato down bend - medium
100	-

	Tenorhorn
101	Tenorhorn
	Extras instument effects
121	Horn Riff up - Note 60-84

CLASSIC ORCHESTRA

BANK MSB 64

	C-Flute
01	Marcato
02	Slow Attack
03	Staccato
04	Sforzato
05	Legato
06	Legato up bend - small
07	Legato up bend - medium
08	Legato down bend - small
09	Legato down bend - medium
10	-
	Oboe
11	Marcato
12	Slow Attack
13	Staccato
14	Sforzato
15	Legato
16	Legato up bend - small
17	Legato up bend - medium
18	Legato down bend - small
19	Legato down bend - medium
20	-
	English horn
21	Marcato
22	Slow Attack
23	Staccato
24	Sforzato
25	Legato
26	Legato up bend - small
27	Legato up bend - medium
28	Legato down bend - small
29	Legato down bend - medium
30	-
	Bb Clarinet
31	Marcato
32	Slow Attack
33	Staccato
34	Sforzato
35	Legato
36	Legato up bend - small
37	Legato up bend - medium
38	Legato down bend - small
39	Legato down bend - medium
40	-

	Bass Clarinet
41	Marcato
	Bassoon
51	Marcato
52	Slow Attack
53	Staccato
54	Sforzato
55	Legato
56	Legato up bend - small
57	Legato up bend - medium
58	Legato down bend - small
59	Legato down bend - medium
60	-
	Contra Bassoon
61	Marcato

CLASSIC ORCHESTRA

BANK MSB 64

101	Ensemble Flutes
102	Ensemble Clarinets

	Extras
127	Percussion Map / Drumkit 62 With this program you can use the orchestra percussion sounds on any standard MIDI channel. After power on it's MIDI Channel 1-9 and 11-16
128	Silence - no sound



Drumkits are just available on DRUM MODE parts. The MIDI-sysex message „General MIDI reset“ set up MIDI-Channel 10 as DRUM MODE part.

MIDI-Sysex can change any Part DRUM MODE.

DRUM KITS	
1	Drum - General MIDI HQ
2	Drum - General MIDI HQ Pop
9	Drum Hit Kit
17	Studio Kit
25	Drum Electro 80
26	Drum Computer 808/909
27	Drum 909
28	Drum Electro Vintage
29	Drum Dance Kit
31	Drum Dance Kit
32	Drum Dance Kit
33	Drum Jazz Stick Kit
41	Drum Brush Kit
49	Orchestra Kit
62	Orchestra Kit

Nr.	Kit 1	Kit 9	Kit 17	Kit 25	Kit 26	Kit 27	Kit 28	Kit 29	Kit 31	Kit 32	Kit 33	Kit 41	Kit 49	Kit 62
	GM			Electro	808/909	909	analog	2010	2011	Party	Jazz	Brush	Orchestra	Orchestra
G 7	Brush AY swirl 1	~	~								~	~	~	Gran Casa
8	Brush AY swirl 2	~	~								~	~	~	Gran Casa
A 9	Brush AY swirl 3	~	~								~	~	~	Gran Casa
10	Brush MO open	~	~								~	~	~	Gran Casa
11	Brush MO	~	~								~	~	~	Gran Casa
C 12	Brush MO	~	~								~	~	~	Gran Casa
13	Brush MO o. ac	~	~								~	~	~	Gran Casa
D 14	Snare AY	~	~								~	~	~	Gran Casa
15	Snare AY	~	~								~	~	~	Gran Casa
E 16	Snare AY	~	~								~	~	~	Gran Casa
F 17	Rim AY	Rim MO	~								Jz. Stick Rim	~	Rim MO	Gran Casa
18	Snare AY	Snare MO	~								Jazz Stick Std	~	Snare MO	GC. forte
G 19	Snare AY	Snare MO	~								Jz. Stick Rim	~	Rim MO	GC. medium
20	Snare AY	Snare MO	~								Jazz Stick Std	~	Snare MO	GC. piano
A 21	Snare AY	Snare MO	~											
22	Sn. AY shallow	Sn. MO sh	~								Jazz Stich sh	~	Snare MO	
23	Snare Rim shot	Sn. MO Rims	~								Jz. Stick Rim	~	Snare MO	Gong
C 24	Snare Rim shall.	Sn. MO RiSh	~								Jz. Stick Rsh.	~	Snare MO	
25	Buzzer	~	~								~	~	~	
D 26														
27	High Q	~	~	~	~	~	~	~	~	~	~	~	~	Closed HH
E 28	Slap	~	~	~	~	~	~	~	~	~	~	~	~	Pedal Ped.
F 29	Scratch Push (7)	~	~	~	~	~	~	~	~	~	~	~	~	Open HH.
30	Scratch Pull (7)	~	~	~	~	~	~	~	~	~	~	~	~	Ride Cymbal
G 31	Sticks	~	~	~	~	~	~	~	~	~	~	~	~	
32	Square Click	~	~	~	~	~	~	~	~	~	~	~	~	
A 33	Metronom Click	~	~	~	~	~	~	~	~	~	~	~	~	
34	Metronom Bell	~	~	~	~	~	~	~	~	~	~	~	~	
35	Bass Drum 1	BD 3	BD 5	Elec BD 7	909 BD 9	909 BD 11	606 BD 13	Hit BD 15	Hit BD 17	Party BD 19	Jazz BD 21	Jazz BD 21	BD 23	Gran Casa
C 36	Bass Drum 2	BD 4	BD 6	Elec BD 8	808 BD 10	909 BD 12	80 BD 14	Hit BD 16	Hit BD 18	Party BD 20	Jazz BD 22	Jazz BD 22	BD Orch.	Gran Casa
37	Rim	~	~	Rim 808	808 Rim	909 Rim	606 Rim	909 Rim	909 Rim	909 Rim	Jazz Rim	Sidestick	~	
D 38	Snare 1 AY	Snare 2 MO	Snare 3 SO	Elec Snare 1	808 Snare 1	909 Snare 2	Snare 80	Hit Snare 1	Hit Snare 3	Party Snare 1	Jazz Snare 1	Brush mp	Snare Orch.	Concert Sn.
39	Clap	~	~	Clap 808	Clap 808	Clap 808	Clap 80	Hit Clap	Hit Clap	Hit Clap	~	Brush mf	Castanet	Castanets
E 40	Snare 1 AY	Snare 2 MO	Snare 3 SO	Elec Snare 2	909 Snare 1	909 Snare 1	Snare 85	Hit Snare 2	Hit Snare 4	Party Snare 2	Jazz Snare 2	Brush swirl	Snare Orch.	Concert Sn.
F 41	Tom Low Low	~	~	Elec Tom 80	808 Tom	909 Tom	Tom 85	909 Tom	909 Tom	909 Tom	~	Brush Tom	Timpani	Timpani
42	HiHat closed (0)	~	~	HH elec	808 HHat cl.	909 HHat cl.	HHat cl. 85	909 HHat cl.	909 HHat cl.	909 HHat cl.	~	~	Timpani	Timpani
G 43	Tom Low	~	~	Elec Tom 80	808 Tom	909 Tom	Tom 85	909 Tom	909 Tom	909 Tom	~	Brush Tom	Timpani	Timpani
44	HiHat Pedal (0)	~	~	HH elec	808 HHat P.	909 HHat P.	HHat cl. 85	909 HHat P.	909 HHat P.	909 HHat P.	~	~	Timpani	Timpani
A 45	Tom Medium L.	~	~	Elec Tom 80	808 Tom	909 Tom	Tom 85	909 Tom	909 Tom	909 Tom	~	Brush Tom	Timpani	Timpani
46	HiHat open (0)	~	~	HH elec	808 HH. op.	909 HH. op.	HHat cl. 85	909 HH. op.	909 HH. op.	909 HH. op.	~	~	Timpani	Timpani
47	Tom Medium	~	~	Elec Tom 80	808 Tom	909 Tom	Tom 85	909 Tom	909 Tom	909 Tom	~	Brush Tom	Timpani	Timpani
C 48	Tom High	~	~	Elec Tom 80	808 Tom	909 Tom	Tom 85	909 Tom	909 Tom	909 Tom	~	Brush Tom	Timpani	Timpani
49	Crash Cymbal 1	~	~	Crash 909	808 Cym	909 Cym	808 Cym	808 Cym	808 Cym	808 Cym	~	~	Timpani	Timpani
D 50	Tom High High	~	~	Elec Tom 80	808 Tom	909 Tom	Tom 85	90 Tom	90 Tom	90 Tom	~	Brush Tom	Timpani	Timpani
51	Ride Cymbal 1	~	~	Ride 909	Ride 909	Ride 909	Ride 85	Ride 909	Ride 909	Ride 909	~	~	Timpani	Timpani
E 52	China Cymbal	~	~	~	~	~	~	~	~	~	~	~	Timpani	Timpani
F 53	Ride Cup	~	~	Cup 66	Cup 66	Cup 66	Cup 66	Cup 66	Cup 66	Cup 66	~	~	Timpani	Timpani
54	Tambourin	~	~	Tamb. 66	Tamb. 66	Tamb. 77	Tamb. 66	Tamb. 77	Tamb. 77	Tamb. 77	~	~	~	Tamburin
G 55	Splash Cymbal	~	~	~	~	~	~	~	~	~	~	~	~	Concert Cy.
56	Cowbell	~	~	~	808 Cowbell	808 Cowbell	808 Cowbell	808 Cowbell	808 Cowbell	808 Cowbell	Cowbell Jazz	Cowbell Jazz	~	Concert Cy.
A 57	Crash Cymbal 2	~	~	~	~	~	~	~	~	~	~	~	~	Concert Cy.
58	Vibraslap	~	~	~	~	~	~	~	~	~	~	~	~	Concert Cy.
59	Ride Cymbal 2	~	~	~	~	~	~	~	~	~	~	~	~	Concert Cy.
C 60	Bongo high	~	~	~	~	~	~	~	~	~	~	~	~	Concert Cy.
61	Bongo low	~	~	~	~	~	~	~	~	~	~	~	~	Concert Cy.
D 62	Conga mute	~	~	Conga elec.	Conga elec.	Conga elec.	Conga elec.	Conga elec.	Conga elec.	Conga elec.	~	~	~	Concert Cy.
63	Conga open	~	~	Conga elec.	Conga elec.	Conga elec.	Conga elec.	Conga elec.	Conga elec.	Conga elec.	~	~	~	Concert Cy.

	Nr.	Kit 1	Kit 9	Kit 17	Kit 25	Kit 26	Kit 27	Kit 28	Kit 29	Kit 31	Kit 32	Kit 33	Kit 41	Kit 49	Kit 62
E	64	Conga low	~	~	Conga elec.	Conga elec.	Conga elec.	Conga elec.	Conga elec.	Conga elec.	Conga elec.	~	~	~	Concert Cy.
F	65	Timbale high	~	~	~	~	~	~	~	~	~	~	~	~	Concert Cy.
	66	Timbale low	~	~	~	~	~	~	~	~	~	~	~	~	C. Cy. Roll
G	67	Agogo high	~	~	~	~	~	~	~	~	~	~	~	~	
	68	Agogo low	~	~	~	~	~	~	~	~	~	~	~	~	
A	69	Cabasa	~	~	Cabasa elec.	Cabasa elec.	Cabasa elec.	Cabasa elec.	Cabasa elec.	Cabasa elec.	Cabasa elec.	~	~	~	
	70	Maracas	~	~	Maracas el.	Maracas el.	Maracas el.	Maracas el.	Maracas el.	Maracas el.	Maracas el.	~	~	~	
	71	Whistle (2)	~	~	~	~	~	~	~	~	~	~	~	~	
C	72	Whistle (2)	~	~	~	~	~	~	~	~	~	~	~	~	Triangle op.
	73	Guiro short (3)	~	~	Guiro elec.	Guiro elec.	Guiro elec.	Guiro elec.	Guiro elec.	Guiro elec.	Guiro elec.	~	~	~	Triangle mu.
D	74	Guiro long (3)	~	~	Guiro elec.	Guiro elec.	Guiro elec.	Guiro elec.	Guiro elec.	Guiro elec.	Guiro elec.	~	~	~	Triangle roll
	75	Claves	~	~	Claves elec.	Claves elec.	Claves elec.	Claves elec.	Claves elec.	Claves elec.	Claves elec.	~	~	~	
E	76	Woodblock low	~	~	~	~	~	~	~	~	~	~	~	~	
F	77	Woodblock hi	~	~	~	~	~	~	~	~	~	~	~	~	Wind. dwn.
	78	Cuica mute (4)	~	~	~	~	~	~	~	~	~	~	~	~	Wind. up
G	79	Cuica open (4)	~	~	~	~	~	~	~	~	~	~	~	~	
	80	Triangle mute(5)	~	~	~	~	~	~	~	~	~	~	~	~	
A	81	Triangle open(5)	~	~	~	~	~	~	~	~	~	~	~	~	
	82	Shaker	~	~	Shaker elec.	Shaker elec.	Shaker elec.	Shaker elec.	Shaker elec.	Shaker elec.	Shaker elec.	~	~	~	
	83	Jingle Bell	~	~	~	~	~	~	~	~	~	~	~	~	
C	84	Bell Tree	~	~	~	~	~	~	~	~	~	~	~	~	
	85	Castanet	~	~	Zap	Zap	Zap	Zap	Zap	Zap	Zap	~	~	~	
D	86	Surdo mute (6)	~	~	~	~	~	~	~	~	~	~	~	~	
	87	Surdo open (6)	~	~	~	~	~	~	~	~	~	~	~	~	
E	88													Applaus	Applaus
F	89														C. Snare pp
	90	Bass Dr. 1 mp	BD 3	BD 5								BD 7	BD 7	~	C. Snare p
G	91	Bass Dr. 1 mf	~	~								~	~	~	C. Snare mp
	92	Bass Dr.1 f	~	~								~	~	~	C. Snare mf
A	93	Bass Dr. 1 ff	~	~								~	~	~	C. Snare f
	94	Bass Dr. 1 mp	~	~								~	~	~	C. Snare ff
	95	Bass Dr. 1 mf	BD 4	BD 6								BD 8	BD 8	~	C. Snare pp
C	96	Bass Dr. 1 f	~	~								~	~	~	C. Snare p
	97	Bass Dr. 1 ff	~	~								~	~	~	C. Snare mp
D	98	HiHat Pedal (7)	~	~								~	~	~	C. Snare mf
	99	Hi Hat cl. Tip	~	~								~	~	~	C. Snare f
E	100	Hi Hat cl. Pearl	~	~								~	~	~	C. Snare ff
F	101	Hi Hat cl. Pearl	~	~								~	~	~	Snare Roll p
	102	Hi H. cl. Shaft 1	~	~								~	~	~	Snare Roll p
G	103	Hi H. cl. Shaft 2	~	~								~	~	~	Snare Roll m
	104	Hi Hat med. 1	~	~								~	~	~	Snare Roll m
A	105	Hi Hat med. 2	~	~								~	~	~	Snare Roll f
	106	Hi Hat Open 1	~	~								~	~	~	Snare Roll f
	107	Hi Hat Open 2	~	~								~	~	~	Snare Ro.dyn
C	108	Hi Hat Splash	~	~								~	~	~	Snare Ro.dyn
	109	Hi Hat Open 3	~	~								~	~	~	Snare Ro.dyn
D	110	Ride Pearl	~	~								~	~	~	Snare Ro.dyn
	111	Ride Pearl retrig	~	~								~	~	~	Snare Ro.dyn
E	112	Ride Cup	~	~								~	~	~	Snare Ro.dyn
F	113	Ride Cup retrig.	~	~								~	~	~	Opera Gong
	114	Ride Shaft (8)	~	~								~	~	~	Opera Gong
G	115	Ride Shaft retrig.	~	~								~	~	~	Opera Gong
	116	Ride Chock (8)	~	~								~	~	~	Opera Gong
A	117	Cym Crash 1 (9)	~	~								~	~	~	Opera Gong
	118	Cym Splash (9)	~	~								~	~	~	Opera Gong
	119	Cym Crash 2 (9)	~	~								~	~	~	Opera Gong
C	120	Cym Chock (9)	~	~								~	~	~	Opera Gong
	121													Brush 1. Cym. O. s (1)	Opera Gong
D	122													Brush 2. Cym. O. s	Opera Gong
	123													Brush 3. Cy. O. m (1)	Opera Gong
E	124													Brush Rm Cy. O. m	Opera Gong
F	125													Brush metal Cy. . open(1)	Opera Gong
	126													Brush A Cy. O. op. (1)	Opera Gong
G	127													Brush B	Intro Tune

V3SOUND - MIDI IMPLEMENTATION

	Recognized	
Basic Default	1 - 16	
Mode	3 poly mode	
Messages		
Note number	* 12-109	* depends on sounds
Velocity Note ON	9nH ₁ y=1-127 o	
Note OFF	9nH ₁ y=0 x	
Key aftertouch	o	
Channel aftertouch	o	
Pitch Bend	0-12	
Bank Select	00	* value depends on sound board - see page 3-13
Controller	01 - Modulation	
	05 - Portamento time	
	06 - Data Entry	
	07 - Volume	
	10 - Panorama	
	11 - Expression	
	64 - Sustain	
	65 - Portamento	
	66 - Sostenuito	
	71 - Filter resonance	
	72 - ENVELOPE Release	
	73 - ENVELOPE Attack	
	74 - Filter cutoff	
	75 - ENVELOPE Decay	
	76 - Vibrato rate	
	77 - Vibrato depth	
	78 - Vibrato delay	

	84 - Portamento control	
	91 - Reverb send	
	93 - Chorus send	
	120 - All sound off	
	121 - Reset all controllers	
	123 - All note off	
	126 - Mono-mode	
	127 - Poly-mode	
RPN 0000H	BnH 65H 00H 64H 00H 06H vv	Pitch bend sensitive in semitone (default=2)
RPN 0001H Fine tune in cent	BnH 65H 00H 64H 01H 06H vv	vv=00 -100 vv=40H 0 vv=7FH +100
RPN 0002H Coarse tune half tone	BnH 65H 00H 64H 02H 06H vv	vv=00 -64 vv=40H 0 vv=7FH +64
NRPN 18rrH	BnH 63H 18H 62H rr 06H vv	Pitch coarse of perc. rr in semitone (vv=40H->no modif)
NRPN 1ArRH	BnH 63H 1AH 62H rr 06H vv	Level of perc. sound rr (vv=00 to 7FH)
NRPN 1CrRH	BnH 63H 1CH 62H rr 06H vv	Pan of perc. sound rr (40H = middle)
NRPN 1DrRH	BnH 63H 1DH 62H rr 06H vv	Reverb send level of perc rr (vv=00 to 7FH)
AUX AUDIO OUT	BnH 63H 38H 62H rr 06H vv	rr = MIDI channel - CH1 = 00 CH2 = 01 vv = 0 MAIN 127=AUX
(Reverb return is fixed in Main out)		Example :Set CH1 to AUX - send 3 MIDI controllers: cc99 value 56 + cc98 value 00 + cc06 value 127
Program Change :	0-127	* depends on sound board
System Exclusive:		
SYSEX	F0H 7EH 7FH 09H 01H F7H	General MIDI Reset
SYSEX	F0H 7FH 7FH 04H 01H 00H II F7H	Master volume (II=0 to 127, default 127)
SYSEX DSP1	F0h,41h,00h,42h,12h,40h,7Fh,7Fh,xxh,00h,F7h xxh=Effect 00h=HALL1 01h=HALL2 02h=ROOM1 03h=ROOM2 04h=ROOM3" 05h=PLATE1 06h=PLATE2 07h=PLATE3 08h=CHORUS 09h=FLANGE 0Ah=DELAY1 0Bh=DELAY2 0Ch=CHORUS/ROOM1 0Dh=CHORUS/ROOM2 0Eh=VOCCANCEL 0Fh=ROTARY SPEAKER	
SYSEX DSP2	F0h,41h,00h,42h,12h,40h,01h,38h,xxh,00h,F7h	xxh=Effect 0h=CHORUS 1 01h=CHORUS 2 02h=CHORUS 3 03h=CHORUS 4 04h=FEEDBACK 05h=FLANGER 06h=SHORT DELAY 07h=FB DELAY