



sound expansion for  
Pa4x, Pa3x,  
Pa700, Pa1000, Pa900  
International  
& Musikant

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 Any guarantee claims are no longer valid in this case.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

## COPYRIGHT

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## SPECIFICATIONS

- Master Volume
- Master Reverb
- 4 GB 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

## 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!

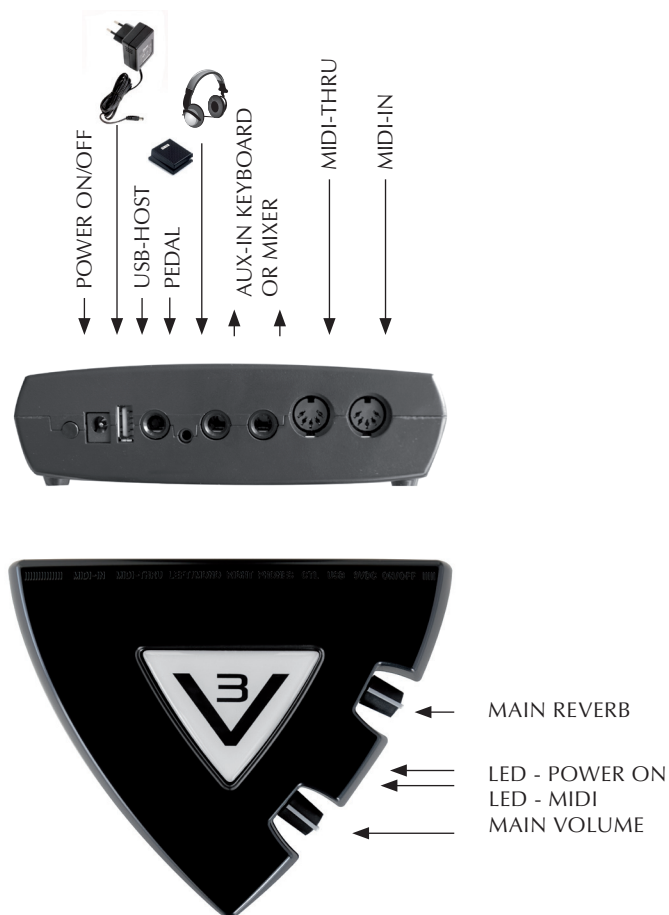
## LEGEND

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.
Notch	Filter - take some frequencies out
SL 116	Velocity zone 116 - 127 Slide up sound variation
SP 116	Velocity zone 116 - 127 Split variation
velo.	Velocity split
AV	Auto variation with grace notes
+	Small variation in sounds
56/57	Controller 56 main tone - controller 57 over tone - specially created for MIDI files
MEGA	Voice special for Styles

V3SOUND GMBH  
Kirchplatz 7 - 6114 Kolsass - Austria - Europe

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## USER INTERFACE PORTS



## CONNECT - USB

The V3 unit can be connected to any USB Audio Class 1 compatible keyboard. The V3 unit can supply your USB keyboard with a maximum of 500mA. If your keyboard requires more than 500mA, you will need an external power supply.

## FOOT PEDAL

The polarity of the sustain foot pedal is set up automatically when you turn on the V3. The pedal only works on MIDI channel 1.

## CONNECT AND POWER UP



To avoid possible damage to the loud speakers or other connected electronic devices, always connect all cables before turning on the units.

**1** Plug the power adapter that came with the YAMMEX into the DC port on the back of the unit. Plug the other end of the power adapter into a power outlet.

**2** Connect the MIDI-cable

MIDI-OUT → Keyboard (MIDI OUT)  
MIDI-IN ← KOMMEX

You can also use a USB cable in place of the MIDI cable.

**3** Connect the audio outputs

OUT L & R → KOMMEX  
AUX-IN ← Keyboard

You can also connect the KOMMEX AUDIO-OUT to a mixer and adjust the volume there.

**4** Move up the V3 KOMMEX MAIN VOLUME potentiometer to maximum.

**5** Turn on KOMMEX first, then power on the keyboard.

## NO SOUND

The KOMMEX MIDI LED only lights up when you have correctly selected a sound. To do this, you must send the following messages over MIDI:

MSB Bank 121  
LSB Bank 65 (65 is just an example)  
Prg. change 1

## NO MIDI LED

The KOMMEX MIDI LED only lights up when you send us MIDI Messages. Control your MIDI Setting on your Keyboard.

MENU/FUNCTION - MIDI - TRANSMIT

Right 1 = Channel 1  
Right 2 = Channel 2  
Right 3 = Channel 3  
Left = Channel 4

## INSTALL

So that you can select the KOMMEX sounds on the display of your keyboard, simply copy the USER SOUND data that we provide on our homepage for free to your keyboard.

**[www.v3sound.com/en/e-support-kommex.html](http://www.v3sound.com/en/e-support-kommex.html)**

## KOMMEX INSTALLATION

### **Pa4X - OS 2.0.0**

PRESS:

1. MEDIA

switch KORG-DISC - to USB to select the USB stick.

2. Select **V3 KOMMEX user 2**

To load the V3 sounds into the second USER bank.

3. press load - press YES

**ATTENTION, all sounds in USER BANK 2 will be overwritten.**

## PIANO MSB 121 LSB 65

01	Grand Piano
02	Bright Piano
03	Honky Tonk
04	Classic Grand
05	Latin Grand
06	Rock Grand
07	Rock Bright
08	Grand & FM
09	Grand & E-Piano
10	Grand Piano Stack
11	Grand fade
12	Grand Piano & Pad 1
13	Grand Piano & Pad 2
14	Harpsichord

## E-PIANO MSB 121 LSB 65

15	Electric Grand
16	E. Grand Layer
17	E. Grand Tremolo
18	E. Grand & E-Piano
19	E. Grand fast
20	E. Grand Rock
21	E-Piano Wurly
22	E-Piano Wurly slow
23	E-Piano Wurly & Tine
24	E-Piano Wurly fast
25	E-Piano Wurly Tremolo
26	E-Piano Dyno
27	E-Piano & Tines
28	E-Piano & Tremolo
29	E-Piano & Bells
30	E-Piano fast
31	E-Piano slow
32	DX E-Piano A
33	DX E-Piano B
34	DX E-Piano C
35	DX E-Piano D
36	Clavinet
37	Clavinet Filter

## TUNED MSB 121 LSB 65

38	Glockenspiel
39	Musicbox
40	Musicbox & Oct.
41	Vibraphon Vib.
42	Vibraphon Vib. long
43	Vibraphone
44	Vibraphone short
45	Vibraphon fast Tremolo
46	Marimba
47	Marimba & Octave
48	Xylophon
49	Xylophon & Octave
50	Tub Bell
51	Tubula detuned
52	Timpani
53	Kalimba
54	Cortales
55	Steel Drums

## ORGAN

MSB 121 LSB 65

56	Or. 776555678 slow
57	Or. 776555678 fast
58	Or. 800000568 slow
59	Or. 800000568 fast
60	Or. 008530000 slow
61	Or. 008530000 fast
62	Or. 800000000 slow
63	Or. 800000000 fast
64	Or.807800000 slow
65	Or.807800000 fast
66	Or.804708000 slow
67	Or.804708000 fast
68	Or.800008000 slow
69	Or.800008000 fast
70	Or.800000008 slow
71	Or.800000008 fast
72	Or.687600000 slow
73	Or.687600000 fast
74	Or.888000000 Perc
75	Or.Hamm full
76	Or.CD-DB slow
77	Or.CD-DB fast
78	Or.CD-FL slow
79	Or.CD-FL fast
80	Or.KW full slow
81	Or.KW full fast
82	Or.KW perc slow
83	Or.KW perc fast
84	Or.FL perc slow
85	Or.FL perc fast
86	Or.ZR soft slow
87	Or.ZR soft fast
88	Or.Klaus W. slow
89	Or.Klaus W. fast
90	Or.Klaus Musical
91	Or.Versinum
92	Or.German A
93	Or.German B
94	Or.L100 A
95	Or.L100 B
96	C3 Full
97	Rock Organ

98	Or.Tower Mighty
99	Or.Tower Piston 2
100	Or.Tower Piston 4
101	Or.Tower Piston 5
102	Or.Tower Solo 5
103	Or.Tower Solo 6
104	Or.Tower Acc. 1
105	Or.Tower Acc. 2
106	Or.Tower Tibias
107	Or.Tower Meloton
108	Or.Tower Royal 1
109	Or.Tower Royal 2
110	Or.Tower Krumm
111	Or.Tower T. Vox
112	Or.Tower Straight
113	Or.Tower Tubas
114	Or.T. Pedals small
115	Or.T. Pedals Dixon
116	Or.T. Pedals full
117	Or.Glocken
118	Or.Glocken short
119	Or.Glocken Reiteration
120	Or.Xylophon Hit
121	Or.Xylo Reiter
122	Or.Xylo Reiter & Hit
123	Or.Glo. Reiter velocity
124	Or.Xylo. Reiter velocity
125	Or.Pipe Tutti 1
126	Or.Pipe Tutti 2
127	Or.Pipe Flutes
128	Or. Tower FX

# **ACCORDION**

MSB 121 LSB 66

01	Harmonica
02	Acc. French Musette
03	Acc. French 4888
04	Acc. Celeste 88
05	Acc. Celeste 88+16
06	Acc. Tango 8/16
07	Acc. Cav. Celeste 88
08	Acc. Cav. 88 & Dbl. Bassoon 1616
09	Acc. Cav. Double Bassoon 1616
10	Acc. Super VI
11	Acc. Bassoon 16
12	Acc. Belgium Musette
13	Acc. Belgium Musette Mega
14	Melodeon 8
15	Melodeon 88a
16	Melodeon 88b
17	Melodeon 88c
18	Accordion 888a
19	Melodeon 888b
20	Melodeon 8888
21	Melodeon 816
22	Accordina
23	Acc. Scott Gola
24	Acc. Jimmy Shand
25	Acc. Reed PM 8
26	Acc. Reed PM 816
27	Acc. Reed PM 48
28	Acc. Reed PM 4816
29	Acc. Scott A
30	Acc. Scott B
31	Acc. Morino VM 888
32	Acc. Zup 88
33	Steirische Harmonika 1
34	Steirische Harmonika 2
35	Steirische Helikon Bass
36	Accordion Reed 4
37	Harmonium
38	Melodeon Irland
39	Bandoneon
40	Schwyzer Örgeli Nussbaumer III
41	Schwyzer Örgeli Nussbaumer II

42	Or.Cordovox A
43	Or.Cordovox B
44	Or.Cordovox C
45	Or.Cordovox D
46	Or.Cordovox E
47	Or.Vox4 A velocity
48	Or.Vox4 B
49	Or.Vox4 C

# **GUITAR**

MSB 121 LSB 66

50	Guitar Nylon
51	Guitar Nylon soft
52	Guitar Steel 1
53	Guitar Steel 2
54	Banjo
55	Ens. Mandolins Tremolo
56	Ens. Mandolins
57	Git. Jazz 1
58	Git. Jazz & Octave
59	Pedal Steel Vib.
60	Pedal Steel
61	Pedal Steel bowed
62	Git. Jazz Amp 1
63	Git. Jazz Amp 2
64	Git. Jazz Chicken Picking 1
65	Git. Jazz Chicken Picking 2
66	Git. Nylon Zupf & note off
67	Git. clean
68	Git. Overdrive
69	Git. Distortion
70	Git. Rhythm 1
71	Guitar mute
72	Guitar Nylon SL116
73	Guitar Steel SL116
74	Banjo SL 116
75	Guitar Pedal Steel SL 116

# **BASS**

MSB 121 LSB 66

76	Contrabass 1 Finger Attack
77	Contrabass 1 soft
78	Contrabass 2
79	Contrabass 2 soft
80	Contrabass 3 bowed short
81	E-Bass 1
82	E-Bass 1 & note off
83	E-Bass 2
84	E-Bass 2 & note off
85	E-Bass 3
86	E-Bass Pick 1
87	E-Bass Fretless
88	E-Bass Slap from note D
89	Doppelbass Bariton & E-Bass
90	Synthbass 1
91	Synthbass 2
92	Synthbass Jupiter 1
93	Synthbass DX100 kurz
94	Synthbass DX100
95	Synthbass CE25 kurz
96	Synthbass CE25
97	Synthbass CS01 kurz
98	Synthbass CS01
99	Synthbass Z3 kurz

**STRINGS** MSB 121 LSB 66

100	Violin Solo
101	Viola Solo
102	Cello Solo
103	Contrabass Solo
104	Full Strings Tremolo
105	Full Strings pizzicato
106	Strings Chamber
107	Full Strings dynamic
108	Full Strings fast
109	Full Strings detache
110	Full Strings forte
111	Full Strings Emotion velocity
112	Full Strings 2 Filter
113	Full Strings 2 fast
114	Full Strings 2 up
115	Full Strings 2
116	Full Strings detache Curve
117	Celtic Fiddle soft
118	Celtic Fiddle
119	Celtic Fiddle SL116
120	Zillertal Geige
121	Zillertal Geige+ Arco
122	Zillertal Geige SL116
123	Violin Ensemble Disco short
124	Violin Ensemble Disco fall
125	Synth. Strings PWM
126	Synth. Strings MKS
127	Retro Strings
128	Retro Stringman

**CHOIR** MSB 121 LSB 67

01	Choir Classic Aah
02	Choir Pop Ooh
03	Choir Doo
04	Choir soft Ooh
05	Synth Vox
06	Synth Vox Digi
07	Synth Vox Filter
08	Choir Layer
09	Synth Vox Ooo ayer

**BRASS** MSB 121 LSB 67

10	Cornet
11	Cornet soft
12	Cornet hard
13	Cornet legato up
14	Trumpet Vibrato
15	Trumpet Ivan 1/4 note
16	Trumpet Ivan
17	Trumpet Dixie
18	Trumpet Dixie soft
19	Trumpet Dixie SL116
20	Trp. Miles mute
21	Trp. Miles mute AV
22	Trumpet Damper
23	Trumpet Section Phil 1
24	Trumpet Section 2
25	Trumpet Section 2 SP 116 fall
26	Trumpet Section 2 SP 116 up
27	Trumpets Vibrato
28	Trumpets Vibrato Filter
29	Trumpets Vibrato HPF
30	Trumpet Section 3
31	Trumpet Section 3 YT SP 116 fall
32	Trombone
33	Trombone soft
34	Trombone hard
35	Trombone Section
36	F-Horn
37	Tenorhorn Vibrato
38	Bariton Sepp Accent
39	Bariton Sepp Vibrato
40	Bariton Sepp staccato mezzo
41	Bariton Sepp staccato forte
42	Tuba Jon
43	Tuba Jon soft
44	Tubas

**WOODW.** MSB 121 LSB 67

45	Oboe
46	Englishhorn
47	Bassoon
48	Clarinet
49	Clarinet SL116
50	Clarinet Carlo
51	Clarinet Carlo EQ
52	Clarinet Vito
53	Piccolo
54	Flute
55	Flute EQ
56	High Whistle
57	High Whistle AV
58	High Whistle SL116
59	Low Whistle
60	Low Whistle SL116
61	Panflute
62	Bottle Filter
63	Ocarina

## SAX

MSB 121 LSB 67

64	Sax Sopran
65	Sax Sopran hard
66	Sax Sopran noisy
67	Sax Sopran SL116
68	Sax Sopran Carlo
69	Sax Alto
70	Sax Alto hard
71	Sax Alto noisy
72	Sax Alto SL116
73	Sax Tenor 1 Jazz Vibrato smooth
74	Sax Tenor 2
75	Sax Tenor 2 hard
76	Sax Tenor 2 noisy
77	Sax Tenor SL116
78	Sax Tenor Funk
79	Sax Tenor Growl
80	Sax Tenor Funky SP116 Growl
81	Sax Bariton
82	Sax Section Tenor 1
83	Sax Section Tenor 2
84	Sax Section Alto

## ETHNO

MSB 121 LSB 67

85	Bag Pipe
86	Bag Pipe AV
87	Bag Pipe SL116
88	Bag Pipe Drone
89	Ullian Pipe
90	Ullian Pipe AV
91	Ullian Pipe SL116
92	Ullian Pipe Drone
93	Pipers
94	Pipers Drone
95	Dulcimer 5 strings short
96	Dulcimer 3 strings short
97	Dulcimer 3 strings
98	Alphorn
99	Alphorn Trio
100	Schellen Hit
101	Schellen Roll
102	Harp kurz
103	Zither
104	Jew's Harp

## SYNTH

MSB 121 LSB 67

105	Square Lead 1
106	Saw Lead 1
107	Calliope 1
108	Chiffer 1
109	Hook
110	FM7 Pluk
111	Charang 1
112	FM8 Brass
113	Saw ?
114	Brightness A
115	Echo Drops
116	Star Them
117	Bell Hit
118	Synth Brass 1
119	Synth Brass 2
120	SY Lead A
121	Fantasia
122	DX1 Toy Bell
123	Crystal Bell
124	TX816 Bells ?
125	OBX Pad
126	Fadness
127	Sierra Flute Split
128	FX Freddy Pfister



## CLASSIC ORCHESTRA STRINGS

MSB 121 LSB 94

	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
15	Violins just piano Layer
16	Violas just piano Layer slow
17	Violas just piano Layer
18	Violas just piano Layer slow
	Ensemble Articulations
19	Full pizzicato
20	Full Tremolo
	Violin Ensemble
31	Marcato
32	Slow Attack
33	Detache
34	Legato
40	Pizzicato
	Viola Ensemble
41	Marcato
42	Slow Attack
43	Detache
44	Legato
50	Pizzicato
	Cello Ensemble
51	Marcato
52	Slow Attack
53	Detache
54	Legato
60	Pizzicato

	Contrabass Ensemble
61	Marcato
62	Slow Attack
63	Detache
64	Legato 1
70	Pizzicato
	Solo Violin
71	Marcato
72	Slow Attack
73	Detache
74	Legato 1
80	Pizzicato
	Solo Viola
81	Marcato
82	Slow attack
83	Detache
84	Legato
90	Pizzicato
	Solo Cello
91	Marcato
92	Slow Attack
93	Detache
94	Legato
100	Pizzicato
	Solo Contrabass
101	Marcato
102	Slow Attack
103	Detache
104	Legato
110	Pizzicato
	Solo Tremolo
111	Violin Tremolo
112	Viola Tremolo
113	Cello Tremolo
114	Contrabass Tremolo

## CLASSIC ORCHESTRA BRASS

MSB 121 LSB 95

	Trumpet Ensemble
01	Marcato (velo. spl. piano47/forte48)
02	Marcato piano
03	Staccato
04	Sforzato
05	Legato
06	Legato up bend - small
	Trombone Ensemble
11	Marcato (velo. spl. piano47/forte48)
12	Marcato piano
13	Staccato
14	Sforzato
15	Legato
16	Legato up bend - small
	Horn Ensemble
21	Marcato (velo. spl. piano47/forte48)
22	Marcato piano
23	Staccato
24	Sforzato
25	Legato
26	Legato up bend - small
	Ensemble
31	Tuben Marcato
41	Tenorhorn Ensemble
	Solo Bb Trumpet
61	Marcato (velo. spl. piano47/forte48)
62	Marcato piano
63	Staccato
64	Sforzato
65	Legato
66	Legato up bend - small
	Solo Trombone
71	Marcato (velo. spl. piano47/forte48)
72	Marcato piano
73	Staccato
74	Sforzato
75	Legato
76	Legato up bend - small

	Solo Horn
81	Marcato (velo. spl. piano47/forte48)
82	Marcato piano
83	Staccato
84	Sforzato
85	Legato
86	Legato up bend - small
	Tuba
91	Marcato (velo. spl. piano47/forte48)
92	Marcato piano
93	Staccato
94	Sforzato
95	Legato
96	Legato up bend - small
	Solo Tenorhorn
101	Tenorhorn

# CLASSIC ORCH. WOODWINDS

MSB 121 LSB 96

	C-Flute
01	Marcato
02	Slow Attack
03	Staccato
04	Sforzato
05	Legato
06	Legato up bend - small
	Oboe
11	Marcato
12	Slow Attack
13	Staccato
14	Sforzato
15	Legato
16	Legato up bend - small
	English horn
21	Marcato
22	Slow Attack
23	Staccato
24	Sforzato
25	Legato
26	Legato up bend - small
	Bb Clarinet
31	Marcato
32	Slow Attack
33	Staccato
34	Sforzato
35	Legato
36	Legato up bend - small
	Bass Clarinet
41	Marcato
	Bassoon
51	Marcato
52	Slow Attack
53	Staccato
54	Sforzato
55	Legato
56	Legato up bend - small
	Contra Bassoon
61	Marcato
	Ensembles
101	Ensemble Flutes
102	Ensemble Clarinets

# CLASSIC ORCHESTRA PERC.

MSB 121 LSB 96

Prg.	
127	Orchestra Percussion

	Nr.	
7 - 17		Gran Casa
	18	Gran Casa forte
G	19	Gran Casa medium
	20	Gran Casa piano
A	21	-
	22	-
	23	Gong
C	24	-
	25	-
D	26	-
	27	Hihat closed
E	28	Hihat Pedal
F	29	Hihat open
	30	Ride Cymbal
G	31	-
	32	-
A	33	-
	34	-
	35	Gran Casa
C	36	Gran Casa
	37	-
D	38	Concert Snare
	39	Castanets
E	40	Concert Snare
41 - 53		Timpani
	54	Tamburine
55 - 65		Concert Cymbal
	66	Concert Cymbal Roll
G	67	-
	68	-
A	69	-
	70	-
	71	-
C	72	Triangle open
	73	Triangle mute
D	74	Triangle Roll
	75	-
E	76	-
F	77	Wind. down
G	78	Wind. up

	Nr.	
E	88	Applaus
F	89	Concert Snare pp
	90	Concert Snare p
G	91	Concert Snare mp
	92	Concert Snare mf
A	93	Concert Snare f
	94	Concert Snare ff
	95	Concert Snare pp
C	96	Concert Snare p
	97	Concert Snare mp
D	98	Concert Snare mf
	99	Concert Snare f
E	100	Concert Snare ff
F	101	Snare Roll p
	102	Snare Roll p
G	103	Snare Roll m
	104	Snare Roll m
A	105	Snare Roll f
	106	Snare Roll f
	107	Snare Roll dyn
C	108	Snare Roll dyn
	109	Snare Roll dyn
D	110	Snare Roll dyn
	111	Snare Roll dyn
E	112	Snare Roll dyn
F	113	Opera Gong
	114	Opera Gong
G	115	Opera Gong
	116	Opera Gong
A	117	Opera Gong
	118	Opera Gong
	119	Opera Gong
C	120	Opera Gong
	121	Opera Gong
D	122	Opera Gong
	123	Opera Gong
E	124	Opera Gong
F	125	Opera Gong
	126	Opera Gong
G	127	Intro Tune

## PIANO MSB 121 LSB 98

01	Harpsichord Octave
02	Harpsichord Delay
03	Harpsichord Release
04	DX E-Piano & Pad
05	DX E-Piano Tremolo
06	EP Dyno Tremolo A
07	EP Dyno Tremolo B
08	EP Dyno Tremolo C
09	EP Dyno Tremolo D
10	EP Dyno Tremolo E
11	EP Dyno clean
12	Wurly Tremolo A
13	Wurly Tremolo B
14	Wurly Tremolo C
15	Wurly Tremolo D
16	Wurly Tremolo E
17	EP Dyno clean
18	Wurly clean
19	Wurly clean
20	E. Grand clean
21	E. Grand Tremolo A
22	E. Grand Tremolo B
23	E. Grand Tremolo C
24	E. Grand Tremolo D
25	E. Grand Tremolo E
26	E. Grand clean

## TUNED MSB 121 LSB 98

27	Musicbox soft
28	Tinkle HPF
29	Tinkle Atk.
30	Tinkle & Pad
31	Tinkle & Octave
32	Tinkle
33	Vibraphon short
34	Celeste
35	Marimba & Xylophon
36	Marimba & Xylophon+
37	Woodblock
38	Taiko
39	Melo Tom
40	Synth Tom
41	Agogo

## ORGAN MSB 121 LSB 98

42	Or.Glo. Reiter Mono
43	Or.Xylo. Reiter Mono

## ACCORD MSB 121 LSB 98

44	Acc. Tango 4/8/16
45	Acc. French 88/16
46	Acc. Cav. Double Bassoon & 8
47	Acc. Cav. Double Bassoon Experiment
48	Accordion B
49	Accordion C
50	Acc. Scott Gola & 16
51	Acc. Scott Gola & 4
52	Acc. Scott Gola Master
53	Acc. Jimmy Shand & 16
54	Acc. Jimmy Shand & 4
55	Acc. Jimmy Shand Master
56	Acc. Scott C
57	Acc. Irland 888
58	Acc. Morino & 16
59	Acc. Morino & 4
60	Acc. Morino Master
61	Acc. Morino (56/57)
62	Acc. Zup 88/16
63	Acc. Zup 4/88
64	Acc. Zup 4/88/16
65	Acc. Zupan 88 (56/57)
66	Acc. French Musette 888/16
67	Acc. French Musette 4/888/16
68	Steirische Harmonika 2 (56/57)
69	Schwyzer Örgeli Nussbaumer III+
70	Accordion Attack noise

## BASS MSB 121 LSB 98

71	Contrabass
72	Contrabass bowed
73	E-Bass 3 Eq
74	E-Bass 3 Filter
75	E-Bass Pick 2
76	E-Bass Slap from note D & note off
77	E-Bass Slap from note G
78	E-Bass Slap from note G & note off
79	Synthbass 3
80	Synthbass 4
81	Synthbass 5
82	Synthbass Jupiter 2
83	Synthbass Jupiter 3
84	Synthbass Jupiter 4
85	Synthbass DX100 Reso
86	Synthbass DX100 HP
87	Synthbass CE25 Reso
88	Synthbass CE25 HP
89	Synthbass CS01 Reso
90	Synthbass Z3
91	Synthbass Z3 long

**GUITAR** MSB 121 LSB 98

92	Guitar Nylon Zupf
93	Guitar Nylon Octave
94	Guitar Steel 1 soft
95	Guitar Steel 1 hard
96	Guitar Steel 1 bowed
97	Guitar Steel 1 double
98	Guitar Steel mute
99	Guitar mute & death
100	Guitar mute HPF
101	Git. Steel 2
102	Git. Rhythm 2
103	Mandolins SP116 Tremolo / Stroke
104	Git. Jazz 2
105	Git. Overdrive short & long velo. 64/65
106	Git. Overdrive short
107	Git. Distortion short & long velo. 64/65
108	Git. Distortion short
109	Guitar Feedback
110	Git. Harmonics
111	Ens. Mandolins Tremolo+
112	Mandolins MEGA
113	Guitar FX Ghost note

**STRINGS** MSB 121 LSB 98

114	Synth. Strings PWM+
115	Synth. Strings PWM up
116	Synth. Strings FWM
117	Synth. Strings MKS+
118	Synth. Strings MKS24 Filter
119	Synth. Strings MKS24+
120	Full Strings 2 LFO
121	Full Strings 2+
122	Zillertal Geige legato
123	Zillertal Geige legato up
124	Zillertal Geige legato down

**BRASS** MSB 121 LSB 99

1	Trumpet Section staccato
2	Trumpet Section fall
3	Trumpet Section up
4	Trumpet Section sfz
5	Trumpet Section shake
6	Trombone Section staccato
7	Trombone Section fall
8	Trombone Section sfz
9	Trumpet Ivan 1/4 note
10	Trumpet Ivan 1/4 note REPE
11	Trumpet Ivan staccato
12	Trumpet Ivan MEGA
13	Trumpet Section MEGA
14	Trumpet Section SP 116 shake
15	Cornet SL116
16	French horn
17	Bariton Sepp MEGA

**WOODW** MSB 121 LSB 99

23	Clarinet noisy
24	Sax Sopran soft
25	Sax Alto soft
26	Sax Tenor 2 soft
27	Sax Tenor 2 medium
28	Sax Section Alto staccato
29	Sax Section Alto fall
30	Sax Section Alto sfz
31	Clarinet Vito velo.
32	Clarinet Vito staccato Repe
33	Flute HP

**CHOIR** MSB 121 LSB 99

18	Synth Solo Vox Notch
19	Synth Solo Vox Pad
20	Synth Solo Vox
21	SD Vox
22	SD Vox Notch

**ETHNO** MSB 121 LSB 99

34	Harp
35	Dulcimer 5 strings+
36	Dulcimer 5 strings Tremolo
37	Dulcimer 5 strings bowed
38	Alphorn Duo
39	Alphorn Trio
40	Alphorn Trio+
41	Schellen Hit & Roll
42	Dulcimer 3 strings+
43	Dulcimer 3 strings bowed
44	Sitar
45	Shamisen
46	Koto
47	Shanai
48	Whistle GS

## SYNTH MSB 121 LSB 99

49	Square Lead 2
50	Square Lead 3
51	Square Lead 4
52	Square Lead 5
53	Whistle
54	Saw Lead 2
55	Saw Lead 3
56	Saw Lead 4
57	Saw Lead 5
58	Calliope 1
59	Chiffer 2
60	Chiffer 3
61	Chiffer 4
62	Bottle soft
63	Bottle Q
64	Bottle LFO
65	Charang 1
66	Shakuhachi
67	Synth 5th
68	Synth A saw
69	Synth B saw
70	Goblin
71	SY Lead B
72	SY Lead B
73	SY Lead B
74	Synth OBX ENV
75	Fantasia+
76	DX1 Toy Bell+
77	Softpad+
78	Synth OBX
79	Synth OBX soft
80	Softpad
81	Prophet 8 Brass
82	Prophet 8 Brass
83	Prophet 8 Brass 24db
84	Synth Fairly
85	Synth Spacy
86	Bowed Glas
87	Bowed Glas+
88	Metal Pad
89	Halo Pad

## SYNTH MSB 121 LSB 99

90	Sweep Juno
91	Sweep Juno fast
92	Sweep Juno Atk.
93	Ice Rain
94	Soundtrack
95	Soundtrack+
96	Soundtrack up
97	Soundtrack fade
98	Crystal Bell HPF
99	Crystal Bell & off
100	Atmos
101	Atmos+
102	Brightness B

## SPECIAL MSB 121 LSB 99

103	Bodhran Slice 1 (note 7 - 128)
104	Bodhran Slice 2 (note 7 - 128)
105	Bodhran Slice 3 (note 7 - 128)
106	Orchestra Hit Major
107	Orchestra Hit Minor
108	SFX Stomp & Claps 24 - 82 Claps 84 - 107 Stomp
109	Accordion Attack
110	Accordion Attack offset
111	Accordion Key off
112	SFX Cymbal
113	SFX Seashore
114	SFX Bird
115	SFX Phone
116	SFX Heli
117	SFX Applause
118	SFX Gunshot
119	SFX Fret noise
120	SFX Breath
121	SFX Nylon Guitar Perc. 31/55/79/103
122	Drums standard (Mapping page 13)
123	Drums Pipe Band (Mapping page 13)
124	Bd & Snare

# DRUMS & PERCUSSION MAP

MSB 121 LSB 99

Prg.	
122	Drums standard

7	Snare swirl		61	Brush Roll B	G	91	Stick single stroke
8	Snare swirl	D	62	Brush Roll C		92	Stick single stroke
9 - 11	Concert bass drum		63	Brush Mix A	A	93	Stick single stroke
12-23	Bass drum	E	64	B. Mix A long swirl		94	Stick Roll accent
24-35	Kick 1	F	65	B. Mix B		95	Stick Roll no accent
C	36 Kick 2		66	B. Mix B long swirl	C	96	Stick Roll
	37 Rim	G	67	Brush Tap single hit		97	Stick Roll
D	38 Snare		68	Brush Tap single hit	D	98	Stick Rim
	39 Clap	A	69	Brush Tap single hit		99	Stick & Roll * fade
E	40 Snare		70	Brush swish	E	100	Stick & Roll * linear 2
F	41 Tom Low Low		71	Brush swish	F	101	Stick & Roll * linear 3
	42 HiHat closed	C	72	Brush Roll A		102	Stick & Roll * linear 4
G	43 Tom Low		73	Brush Roll B	G	103	Stick sinle stroke
	44 HiHat Pedal		74	Brush Roll C		104	Stick single stroke
A	45 Tom Medium Low	D	75	Brush Mix A	A	105	Stick single stroke
	46 HiHat open		76	Brush Mix A long swirl		106	Stick Roll accent
	47 Tom Medium	F	77	Brush Mix B		107	Stick Roll no accent
C	48 Tom High		78	Brush Mix B long swirl	C	108	SC HiHat Pedal A
	49 Crash Cymbal 1	G	79	Brush Tap single hit		109	SC HiHat Pedal B
D	50 Tom High High		80	Brush Tap single hit	D	110	SC HiHat Pedal C
	51 Ride Cymbal 1		81	Brush Tap single hit		111	SC HiHat closed A
E	52 China Cymbal		82	Brush swish	E	112	SC HiHat closed B
F	53 Ride Cup		83	Brush swish	F	113	SC HiHat open
	54 Tambourin	C	84	Stick Roll		114	Rim
G	55 Splash Cymbal		85	Stick Roll	G	115	Claps
	56 Cowbell	D	86	Stick Rim		116	Stick 3 Roll
A	57 Crash Cymbal 2		87	Stick & Roll * roll fade	A	117	Stick 3 Roll
	58 Vibraslap	E	88	Stick & Roll * linear 2		118	Stick 3 Roll
	59 Ride Cymbal 2	F	89	Stick & Roll * linear 3		119	Concert BD
C	60 Brush Roll A		90	Stick & Roll * linear 4	C	120	Concert BD
						121	Concert BD
					D	122	Concert BD
						123	Concert BD
					E	124	Concert BD
						125	Concert Cymbal med.
						126	Concert Cymbal open

# DRUMS & PERCUSSION MAP

MSB 121 LSB 99

Prg.	
123	Drums Percussion Pipe Band

2-4	Concert BD
5-7	Concert BD
8-10	Concert BD
11-13	Concert BD
17-19	Concert BD
20-22	Concert BD
24-36	Tenor Tom
37	Pipe Snare (cc56) + Roll (cc57)
38	Pipe Snare (cc56) + Roll (cc57)
39-45	Pipe Snare
48-59	Pipe Snare
62-67	Pipe Snare flam
70-73	Pipe Snare 1st
76-79	Pipe Snare oll
81-82	Pipe Snare open Roll
84-87	Pipe Band Snare group
89-96	Pipe Band Snare group
98-101	Pipe Band Snare group
108-111	Sound metal
120-122	click

Prg.	
124	Bass & Snare

G	7	Snare Brush AY swirl 1
	8	Snare Brush AY swirl 2
A	9	Snare Brush AY swirl 3
	10	Snare Brush MO open
	11	Snare Brush MO
C	12	Snare Brush MO
	13	Snare Brush MO o. accent
D	14	Snare AY
	15	Snare AY
E	16	Snare AY
F	17	Rim AY
	18	Snare AY
G	19	Snare AY
	20	Snare AY
A	21	Snare AY
	22	Snare AY shallow
	23	Snare Rim shot
C	24	Snare Rim shall.
D	26	Kick 1
	27	Kick 1
E	28	Kick 2
	29	Kick 2
	36-56	Electronic Bass drum
	60-79	Electronic Snare drum
	80-83	Electronic effects
	96-102	Electronics Claps

## V3SOUND - MIDI IMPLEMENTATION

	Recognized	
Basic Default	1 - 16	
Mode	3 poly mode	
Messages		
Note number	* 12-109	* depends on sounds
Velocity Note ON	9nH,v=1-127 o	
Note OFF	9nH,v=0 x	
Key aftertouch	o	
Channel aftertouch	o	
Pitch Bend	0-12	
Bank Select	00	* value depends on sound board
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 1ArH	BnH 63H 1AH 62H rr 06H vv	Level of perc. sound rr (vv=00 to 7FH)
NRPN 1CrH	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 Example :Set CH1 to AUX - send 3 MIDI controllers: cc99 value 56 + cc98 value 00 + cc06 value 127
(Reverb return is fixed in Main out)		
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,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

