

X16GS

Rev 1.0 : April 14th 2023

SERDACO BVBA

16MByte GS Sound Bank for Serdaco DreamBlaster X16GS

DreamBlaster X16GS features a preloaded officially licensed, read only 16mbyte GS bank. This bank is the “GSSBK5X128” bank by Dream, further referred to as X16GS bank in this document.



X16GS BANK :

- Full GM/GS implementation
- 128 GM instruments
- 180 variation instruments
- More than 200 drum sounds in 15 drum sets + 1 SFX set
- All samples are in 16bit quality
- Official Dream/Roland License

Switching between X16GS bank and other soundbanks, can be done using NRPN messages, or by using the dipswitches on the X16GS board. (see X16GS user manual).

The X16GS bank is used with the express permission of Roland Corporation. This bank is used conforming a license agreement with Dream.

WARNING: This product may not be installed in any musical instrument. Using this product in the manufacture of musical instruments or selling this product for use in a musical instrument is a violation of the intellectual property rights of Roland Corporation and will result in liability for infringement.



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X16GS BANK SWITCHING

X16GS supports an NRPN command for switching between X2GS and User bank:

NRPN MSB	NRPN LSB	VALUE MSB	Description
0x53	0x00	1-7	select bank: 1=GS bank, 2-7 = other banks

The process for bank switching is:

CC#99 0x53

CC#98 0x00

CC#06 1-7 for selecting GS bank or User banks

Example MIDI files will be provided for easy bank switching.

The X16GS uses X16GS bank at startup, when the dip switches are set at 0001 position (see X16GS user manual for more information). This document further describes the X16GS sound bank patch list.

X16GS MAIN SOUNDS - GENERAL MIDI (all channels except 10)

PC : Program Change

PC	GENERAL MIDI	PC	GENERAL MIDI	PC	GENERAL MIDI	PC	GENERAL MIDI
1	(Grand) Piano1	33	Acoustic Bass	65	Soprano Sax	97	FX1 (rain) ²
2	(Bright) Piano2	34	HQ Finger Bass	66	Alto Sax	98	FX2 (soundtrack) ²
3	(El. Grd) Piano3	35	HQ Picked Bass	67	Tenor Sax	99	FX3 (crystal) ²
4	Honky-tonk Piano	36	Fretless Bass	68	Baritone Sax	100	FX4 (atmosphere) ²
5	El. Piano1 ²	37	Slap Bass1 ²	69	Oboe	101	FX5 (brightness) ²
6	El. Piano2 ²	38	Slap Bass 2	70	English Horn	102	FX6 (goblins) ²
7	Harpsichord	39	Synth Bass1 ²	71	Bassoon	103	FX7 (echoes)
8	Clavi	40	Synth Bass2 ²	72	Clarinet	104	FX8 (sci-fi) ²
9	Celesta	41	Violin	73	Piccolo	105	Sitar
10	Glockenspiel	42	Viola	74	Flute	106	Banjo
11	Music Box	43	Cello	75	Recorder	107	Shamisen
12	Vibraphone	44	Contrabass	76	Pan Flute	108	Koto
13	Marimba	45	Tremolo Strings	77	Blown Bottle ²	109	Kalimba
14	Xylophone	46	Pizzicato Strings	78	Shakuhachi	110	Bag pipe
15	Tubular Bells	47	Orchestral Harp	79	Whistle	111	Fiddle
16	Santur	48	Timpani	80	Ocarina	112	Shanai
17	Drawbar Organ	49	String Ensemble1	81	Lead1 (square) ²	113	Tinkle Bell ²
18	Percussive Organ	50	String Ensemble2	82	Lead2 (sawtooth) ²	114	Agogo
19	Rock Organ	51	Synth Strings1	83	Lead3 (calliope) ²	115	Steel Drums
20	Church Organ	52	Synth Strings2 ²	84	Lead4 (chiff) ²	116	Woodblock
21	Reed Organ	53	Choir Aahs	85	Lead5 (charang) ²	117	Taiko Drum
22	Accordion (french) ²	54	Voice Oohs	86	Lead6 (voice) ²	118	Melodic Tom
23	Harmonica	55	Synth Voice	87	Lead7 (fifths) ²	119	Synth Drum
24	Tango Accordion ²	56	Orchestra Hit	88	Lead8 (bass+lead) ²	120	Reverse Cymbal
25	Ac. Guitar (nylon)	57	Trumpet	89	Pad1 (fantasia) ²	121	Gt. Fret Noise
26	Ac. Guitar (steel)	58	Trombone	90	Pad2 (warm)	122	Breath Noise
27	El. Guitar (jazz)	59	Tuba	91	Pad3 (polysynth) ²	123	Seashore
28	El. Guitar (clean)	60	Muted Trumpet	92	Pad4 (choir)	124	Bird Tweet ²
29	El. Guitar (muted)	61	French Horn ²	93	Pad5 (bowed) ²	125	Teleph. Ring
30	Overdrive Guitar	62	Brass Section	94	Pad6 (metallic) ²	126	Helicopter
31	Distortion Guitar	63	Synth Brass1 ²	95	Pad7 (halo) ²	127	Applause ²
32	Guitar harmonics	64	Synth Brass2 ²	96	Pad8 (sweep)	128	Gunshot

Name with ² : instrument requiring 2 or more voices (2 or more layer instrument)

SOUND VARIATIONS (all channels except 10)

To select variation : send CTRL 0, then PC

PC : Program change

C0 : controller 0 value (zero for General Midi capital sounds)

Sound names conventions:

w - pan type sound (low notes sent to left, high notes sent to right)

d - other velocity response

v - velocity split type sound

o - special release on sound

² - instrument requiring 2 or more voices (2 or more layer instrument)

PC	C0	1st VAR	C0	2nd VAR	C0	3rd VAR	C0	4th VAR	C0	5th VAR
1	8	Piano1w	16	Piano1d						
2	8	Piano2w								
3										
4										
5	8	St. Soft EP ²	9	Detuned EP1 ²	16	FM+SA EP ²	17	E.Piano1v ²	23	60s E.Piano
5	24	60'sE.Piano	25	HardRhodes1 ²	127	El. Piano1				
6	8	Detuned EP2 ²	9	Detuned EP2 ²	16	St.FM EP ²	17	E.Piano2v ²	24	Hard FM EP ²
6	127	E.Piano2								
7	8	Coupled Hps. ²	24	Harpsi.o						
8										
9										
10										
11										
12										
13			16	Barafon ²						
14										
15	8	Church Bell	9	Carillon						
16	1	Santur2 ²								
17	1	Organ101 ²	8	DetunedOr.1 ²	9	Organ109 ²	16	60'sOrgan1 ²	17	60'sOrgan2
17	32	Organ4 ²	33	Even Bar ²	40	Organ Bass	127	Organ1		
18	1	Organ201 ²	8	DetunedOr.2 ²	9	DetunedOr.2 ²	32	Organ5 ²	127	Organ2
19	8	Rotary Org. ²	16	RotaryOrg.S	24	RotaryOrg.F				
20	8	ChurchOrg.2 ²	16	ChurchOrg.3 ²						
21										
22	8	AccordionIt ²								
23										
24										
25	8	Ukulele	16	Nylon Gt.o	17	Nylon Gt.o	24	VeloHarmnix	32	Nylon Gt.2
25	127	Nylonstr.Gt								
26	7	12-str. Guitar ²	8	12-str.Gt ²	9	Nylon+Steel ²	16	Mandolin ²	17	Mandolin
26	32	Steel Gt. 2	127	Steelstr.Gt						
27	8	Hawaiian Gt.								
28	8	Chorus Gt. ²	9	Chorus Gt. ²	127	Clean Gt				
29	8	Funk Gt.	16	Funk Gt. 2 ²						
30	127	Overdrive.Gt								
31	8	Feedback Gt. ²								
32	8	Gt. Feedback ²	16	Ac. Gt.Harmnx						
33										
34	1	Finger Bass2 ²	2	Jazz Bass	8	Finger Bass	127	Acoustic Bass		
35	8	Picked Bass								
36										
37	127	Slap Bass1								
38										
39	1	Syn Bass101 ²	8	Synth. Bass3	9	TB303 Bass	10	Tekno Bass ²	16	Reso SHBass
39	127	Syn Bass1								

PC	C0	1st VAR	C0	2nd VAR	C0	3rd VAR	C0	4th VAR	C0	5th VAR
40	1	Syn.Bass201 ²	2	ModularBass ²	3	Seq Bass ²	8	Synth. Bass4 ²	15	Rubber Bass ²
40	16	Rubber Bass ²	17	SH101Bass1	18	SH101Bass2	19	SmoothBass ²	127	Syn Bass2
41	8	Slow Violin								
42										
43										
44										
45										
46										
47										
48										
49	8	Orchestra ²	16	ST. Strings ²						
50	8	Legato Str. ²	9	Warm Str ²	10	ST.slowStrings ²				
51	8	Syn Strings3 ²								
52										
53	8	ST. Aahs ²	32	Choir Aahs2						
54										
55	8	Synth Voice2								
56	8	Impact Hit ²	9	Philly Hit ²						
57	1	Trumpet2	8	Flugel Horn	24	Bright Trumpet	127	Trumpet		
58	1	Trombone2 ²								
59										
60	1	Muted Tp. 2	127	Muted Trumpet						
61	1	Fr. Horn2 ²								
62	8	Brass2 ²	16	Brass Fall						
63	8	Syn Brass3 ²	16	AnalogBrass1 ²						
64	8	Syn Brass4	16	AnalogBrass2 ²						
65	127	Soprano Sax								
66	8	Hyper Alto	127	Alto Sax						
67	8	Breathy tenor								
68	127	Baritone								
69										
70	127	Eng.Horn								
71	127	Bassoon								
72	8	Bs Clarinet								
73										
74										
75										
76										
77										
78										
79										
80										
81	1	Square	8	Sine Wave ²						
82	1	Saw	8	Doctor Solo ²						
83										
84										
85										
86	8	Lead Voice2 ²								
87										
88										
89										
90	3	Rotary String ²								
91										
92	8	Pad Choir2								
93										
94										
95										

PC	C0	1st VAR	C0	2nd VAR	C0	3rd VAR	C0	4th VAR	C0	5th VAR
96										
97										
98										
99	1	Syn Mallet								
100										
101	8	Brighthness2 ²								
102	8	Goblins2 ²								
103	1	Echo Bell ²	2	Echo Pan ²						
104										
105	1	Sitar2 ²								
106										
107	1	Tsugaru ²	127	Shamisen						
108	8	Taisho Koto ²								
109										
110										
111										
112										
113										
114										
115										
116	8	Castanets								
117	8	Concert BD								
118	8	Melo Tom2	9	Rock Tom						
119	8	808 Tom	9	Elec Perc1						
120										

SFX VARIATIONS (all channels except 10)

PC	1st VAR	2nd VAR	3rd VAR	4th VAR	5th VAR	6th VAR	7th VAR	8th VAR	9th VAR
121	Gt. Cut Noise	String Slap			Bass Slide	Pick Scrape ²			
122	Fl. Key Click								
123	Rain	Thunder ²	Wind	Stream ²	Bubble				
124	Dog	Horse Gallop	Bird2 ²						
125	Teleph. Ring 2	Door Creaking	Door Closing	Scratch	Wind chime ²				
126	Car Engine Start	Car Breaking	Car Pass	Car Crash	Police Siren	Train	Jet Takeoff ²	Starship ²	Burst Noise ²
127	Laughing	Screaming	Punch	Heart Beat	Footstep				
128	Machine Gun	Lasergun	Explosion ²						

DRUM SET TABLE (MIDI CHANNEL 10)

	Prog 1 : HQ STD SET1	Prog 2: HQ STD SET2	Prog 9: HQ ROOM SET	Prog 17 : HQ POWER SET	Prog 25 : HQ ELEC. SET
27- D#1	High Q				
28- E1	Slap				
29- F1	Scratch Push				
30- F#1	Scratch Pull				
31- G1	Sticks				
32- G#1	Square Click				
33- A1	Metronome Click				
34- A#1	Metronome Bell				
35- B1	HQ STD1 Kick2	HQ STD2 Kick2	HQ Room Kick2	HQ Power Kick2	HQ Elec Kick2
36- C2	HQ STD1 Kick1	HQ STD2 Kick1	HQ Room Kick1	HQ Power Kick1	HQ Elec Kick1
37- C#2	Side Stick				
38- D2	HQ STD1 Snare1	HQ STD2 Snare1	HQ Room Snare1	Gated Snare	Elec SD
39- D#2	Hand Clap				
40- E2	Snare Drum 2	HQ STD2 Snare2	HQ Room Snare1	HQ Power Snare1	HQ Elec Snare1
41- F2	HQ Low Floor Tom		HQ Power Low Tom2	HQ Power Low Tom2	Elec Low Tom2
42- F#2	Closed Hi Hat [EXC1]				
43- G2	HQ High Floor Tom		HQ Power Low Tom1	HQ Power Low Tom1	Elec Low Tom1
44- G#2	Pedal Hi-Hat [EXC1]				
45- A2	HQ Low Tom		HQ Power Mid Tom2	HQ Power Mid Tom2	Elec Mid Tom2
46- A#2	Open Hi-Hat [EXC1]				
47- B2	HQ Low-Mid Tom		HQ Power Mid Tom1	HQ Power Mid Tom1	Elec Mid Tom1
48- C3	HQ Hi Mid Tom		HQ Power Hi Tom2	HQ Power Hi Tom2	Elec Hi Tom2
49- C#3	Crash Cymbal 1				
50- D3	HQ High Tom		HQ Power Hi Tom1	HQ Power Hi Tom1	Elec Hi Tom1
51- D#3	Ride Cymbal 1				
52- E3	Chinese Cymbal				Reverse Cymbal
53- F3	Ride Bell				
54- F#3	Tambourine				
55- G3	Splash Cymbal				
56- G#3	Cowbell				
57- A3	Crash Cymbal 2				
58- A#3	VibraSlap				
59- B3	Ride Cymbal 2				
60- C4	Hi Bongo				
61- C#4	Low Bongo				
62- D4	Mute Hi Conga				
63- D#4	Open Hi Conga				
64- E4	Low Conga				
65- F4	High Timbale				
66- F#4	Low Timbale				
67- G4	High Agogo				
68- G#4	Low Agogo				
69- A4	Cabasa				
70- A#4	Maracas				
71- B4	Short Whistle[EXC2]				
72- C5	Long Whistle[EXC2]				
73- C#5	Short Guiro [EXC3]				
74- D5	Long Guiro [EXC3]				
75- D#5	Claves				
76- E5	Hi Wood Block				
77- F5	Low Wood Block				
78- F#5	Mute Cuica [EXC4]				
79- G5	Open Cuica [EXC4]				
80- G#5	Mute Triangle [EXC5]				
81- A5	Open Triangle[EXC5]				
82- A#5	Shaker				
83- B5	Jingle Bell				
84- C6	Belltree				
85- C#6	Castanets				
86- D6	Mute Surdo [EXC6]				
87- D#6	Open Surdo [EXC6]				
88- E6					

Notes :

Blank : Same sound as "Standard Set"

[EXC] : Sounds with same EXC number are mutually exclusive

DRUM SET TABLE (MIDI CHANNEL 10)

	Prog26 : HQ TR808 SET	Prog 27: HQ DANCE SET	Prog 33: JAZZ SET	Prog 41 : BRUSH	Prog 49 : ORCHESTRA	Prog 57 : SFX SET
27- D#1					Closed Hi Hat	/
28- E1					Pedal Hi-Hat	/
29- F1					Open Hi Hat	/
30- F#1					Ride Cymbal	/
31- G1						/
32- G#1						/
33- A1						/
34- A#1						/
35- B1	HQ 909 BD	HQ Dance Kick	Jazz BD2	Jazz BD2	Concert BD 2	/
36- C2	HQ 808 BD	HQ Elec Kick2	Jazz BD1	Jazz BD1	Concert BD 1	/
37- C#2	808 Rim shot					/
38- D2	808 Snare Drum	HQ Dance snare1		Brush Tap	Concert SD	/
39- D#2				Brush Slap	Castanets	High Q
40- E2	HQ 909 Snare	HQ Dance snare2		Brush Swirl	Concert SD	Slap
41- F2	808 Low Tom2	Elec Low Tom2			Timpani F	Scratch Push
42- F#2	808 CHH [EXC1]	808 CHH [EXC1]			Timpani F#	Scratch Pull
43- G2	808 Low Tom2	Elec Low Tom1			Timpani G	Sticks
44- G#2	808 CHH [EXC1]	808 CHH [EXC1]			Timpani G#	Square Click
45- A2	808 Mid Tom2	Elec Mid Tom2			Timpani A	Metronome Click
46- A#2	808 OHH [EXC1]	808 OHH [EXC1]			Timpani A#	Metronome Bell
47- B2	808 Mid Tom1	Elec Mid Tom1			Timpani B	Guitar Slide
48- C3	808 Hi Tom2	Elec Hi Tom2			Timpani c	Gt Cut Noise (down)
49- C#3	808 Cymbal				Timpani c#	Gt Cut Noise (up)
50- D3	808 HiTom1	Elec Hi Tom1			Timpani d	Double Bass Slap
51- D#3					Timpani d#	Key Click
52- E3		Reverse Cymbal			Timpani e	Laughing
53- F3					Timpani f	Screaming
54- F#3						Punch
55- G3						Heart Beat
56- G#3	808 Cowbell					Footsteps1
57- A3					Concert Cymbal2	Footsteps2
58- A#3						Applause
59- B3					Concert Cymbal1	Door Creaking
60- C4						Door Closing
61- C#4						Scratch
62- D4	808 High Conga					Wind Chime ²
63- D#4	808 Mid Conga					Car Engine Start
64- E4	808 Low Conga					Car Breaking
65- F4						Car Pass
66- F#4						Car Crash
67- G4						Police Siren
68- G#4						Train
69- A4						Jet Take-off ²
70- A#4	808 Maracas					Helicopter
71- B4						Starship ²
72- C5						Gun Shot
73- C#5						Machinegun
74- D5						Lasergun
75- D#5	808 Claves					Explosion ²
76- E5						Dog
77- F5						Horse Gallop
78- F#5						Birds
79- G5						Rain
80- G#5						Thunder ²
81- A5						Wind
82- A#5						Sea Shore
83- B5						Stream ²
84- C6						Bubble
85- C#6						/
86- D6						/
87- D#6						/
88- E6					Applauses ²	/

Notes :

/: No sound Blank : Same sound as "Standard Set"
 [EXC] : Sounds with same EXC number are mutually exclusive
 Name with ² : instrument requiring 2 or more voices (2 or more layer instrument)

DRUM SET TABLE (MIDI CHANNEL 10)

	Prog 65 : STANDARD SET	Prog 73: ROOM SET	Prog 81 : POWER SET	Prog 89 : ELECTR. SET	Prog 90: TR-808 SET
27- D#1	High Q				
28- E1	Slap				
29- F1	Scratch Push				
30- F#1	Scratch Pull				
31- G1	Sticks				
32- G#1	Square Click				
33- A1	Metronome Click				
34- A#1	Metronome Bell				
35- B1	Kick drum2/Jazz BD2				
36- C2	Kick drum1/Jazz BD1		Power Kick	Elec BD	808 Bass Drum
37- C#2	Side Stick				808 Rim shot
38- D2	Snare Drum 1		Gated Snare	Elec SD	808 Snare Drum
39- D#2	Hand Clap				
40- E2	Snare Drum 2			Gated Snare	
41- F2	Low Floor Tom	Room Low Tom2	Room Low Tom2	Elec Low Tom2	808 Low Tom2
42- F#2	Closed Hi Hat [EXC1]				808 CHH [EXC1]
43- G2	High Floor Tom	Room Low Tom1	Room Low Tom1	Elec Low Tom1	808 Low Tom2
44- G#2	Pedal Hi-Hat [EXC1]				808 CHH [EXC1]
45- A2	Low Tom	Room Mid Tom2	Room Mid Tom2	Elec Mid Tom2	808 Mid Tom2
46- A#2	Open Hi-Hat [EXC1]				808 OHH [EXC1]
47- B2	Low-Mid Tom	Room Mid Tom1	Room Mid Tom1	Elec Mid Tom1	808 Mid Tom1
48- C3	Hi Mid Tom	Room Hi Tom2	Room Hi Tom2	Elec Hi Tom2	808 Hi Tom2
49- C#3	Crash Cymbal 1				808 Cymbal
50- D3	High Tom	Room Hi Tom1	Room Hi Tom1	Elec Hi Tom1	808 HiTom1
51- D#3	Ride Cymbal 1				
52- E3	Chinese Cymbal			Reverse Cymbal	
53- F3	Ride Bell				
54- F#3	Tambourine				
55- G3	Splash Cymbal				
56- G#3	Cowbell				808 Cowbell
57- A3	Crash Cymbal 2				
58- A#3	VibraSlap				
59- B3	Ride Cymbal 2				
60- C4	Hi Bongo				
61- C#4	Low Bongo				
62- D4	Mute Hi Conga				808 High Conga
63- D#4	Open Hi Conga				808 Mid Conga
64- E4	Low Conga				808 Low Conga
65- F4	High Timbale				
66- F#4	Low Timbale				
67- G4	High Agogo				
68- G#4	Low Agogo				
69- A4	Cabasa				
70- A#4	Maracas				808 Maracas
71- B4	Short Whistle[EXC2]				
72- C5	Long Whistle[EXC2]				
73- C#5	Short Guiro [EXC3]				
74- D5	Long Guiro [EXC3]				
75- D#5	Claves				808 Claves
76- E5	Hi Wood Block				
77- F5	Low Wood Block				
78- F#5	Mute Cuica [EXC4]				
79- G5	Open Cuica [EXC4]				
80- G#5	Mute Triangle [EXC5]				
81- A5	Open Triangle[EXC5]				
82- A#5	Shaker				
83- B5	Jingle Bell				
84- C6	Belltree				
85- C#6	Castanets				
86- D6	Mute Surdo [EXC6]				
87- D#6	Open Surdo [EXC6]				
88- E6					

Notes :

/: No sound Blank : Same sound as "Standard Set"

[EXC] : Sounds with same EXC number are mutually exclusive