XG VOICE LIST

$\lambda \mathbf{u} \cdot \mathbf{v}$	ICL LIJI										
Piano	Dulcimr2	StdiumOr	Bass	SmthFrtl	Impact	Dark Trp	Digi Saw	Glacier	Creeper	Oud	Shower
GrandPno	HardVibe	StdiumO2	Aco.Bass	Strings	Strings3	BrghtTrb	Big Lead	Tine Pad	Big Pan	Percussive	Thunder
BritePno	Orgel	GospelOr	FngrBass	Violin	Syn Str5	MuteTrp2	HeavySyn	PolarPad	Odin	TnklBell	Wind
El.Grand	SineMrmb	ClkGsplO	PickBass	Viola	Male Aah	AnaBrss1	SynthAah	RotarStr	Carib	Agogo	Stream
HnkyTonk	Balafon	ChapelOr	Fretless	Cello	BrssStab	AnaBrss2	WaspySyn	ClickPad	Fairy	SteelDrm	Bubble
E.Piano1	ChrchBel	Guitar	SlapBas1	Contrabs	DoublHit	DrkTpSft	Mondo	Lite Pad	LoudGlok	Woodblok	Feed
E.Piano2	Cimbalom	NylonGtr	SlapBas2	Trem.Str	BrStab80	MellowTb	RezzySaw	GlassPad	AtmosPad	TaikoDrm	Dog
Harpsi	Balimba	SteelGtr	SynBass1	Pizz.Str	Bass Hit	FluglHrn	DoublSaw	Pan Pad	Ring Pad	MelodTom	Horse
Clavi	Carillon	Jazz Gtr	SynBass2	Harp	BassHit+	Reed	2 Osc	Sweepy	SynPiano	Svn Drum	Tweet2
GrndPnoK	Santur	CleanGtr	MelloSB1	Timpani	6th Hit	SprnoSax	Toy Lead	Ana. Pad	ChrstBel	RevCymbl	Kitty
BritPnoK	Log Drum	Mute Gtr	Seq Bass	Slow Vln	6thHit +	Alto Sax	Big Five	Itopia	Planet	Mel Tom2	Growl
ElGrPnoK	Organ	Ovrdrive	FingrDrk	SlwTrStr	Euro Hit	TenorSax	Dim Saw	Celstial	Ritual	Ana Tom	Haunted
HnkyTnkK	DrawOrgn	Dist.Gtr	SynBa1Dk	Susp.Str	EuroHit+	Bari.Sax	PulseSaw	SquarPad	Creation	Rev Cym2	Ghost
El.Pno1K	PercOrgn	GtrHarmo	ClkSynBa	YangChin	VoiceHmn	Oboe	Dr.Lead	CC Pad	VibeBell	Real Tom	Maou
El.Pno2K	RockOrgn	DstRthmG	SynBa2Dk	Ensemble	Brass	Eng.Horn	VeloLead	Snow Pad	ToHeaven	ElecPerc	Call
Harpsi.K	ChrchOrg	NylonGt2	FastResB	Strings1	Trumpet	Bassoon	Mellow	CosmicPd	StarDust	Rock Tom	DoorSqek
Clavi K	ReedOrgn	SteelGt2	AcidBass	Strings2	Trombone	Clarinet	Digger	Synth Effects	DigiBell	Bonang	DoorSlam
MelloGrP	Acordion	MelloGtr	FlangeBa	Syn Str1	Tuba	Sax Sect	Vent Syn	Rain	MilkyWay	Atrigane	ScratchC
MelloEP1	Harmnica	DistGtr2	ResoSlap	Syn Str2	Mute Trp	BrthTnSx	Rubby	SoundTrk	Reso&Pan	Tablas	ScratchS
Harpsi,2	TangoAcd	NylonGt3	ResoBass	ChoirAah	Fr. Horn	SoftTenr	DistLead	Crystal	AirBells	Castanet	WindChim
ClaviWah	70sPcOr1	Jazz Amp	MutePkBa	VoiceOoh	BrssSect	HyprAlto	Vox Lead	Atmosphr	Night	Gr.Cassa	Telphon2
Det.CP80	DetDrwOr	ChorusGt	Fretles2	SynVoice	SynBrss1	TnrSax 2	Fat&Prky	Bright	BellHarp	RevSnar1	Ignition
Chor.EP1	DetPrcOr	12StrGtr	PunchThm	Orch.Hit	SynBrss2	BassClar	SoloSine	Goblins	Glisten	Altair	Squeal
Chor.EP2	ChurOrg3	DistGtr3	SmthSvnB	S.Strngs	BrssSec3	Pipe	PureLead	Echoes	Gamelmba	GlasPerc	Exhaust
DX Hard	AccordIt	PowerGt2	Fretles3	S.SlwStr	FrHrSolo	Piccolo	HardSync	Sci-Fi	Puffy	RevSnar2	Crash
DXLegend	Harmo. 2	PowerGt1	Fretles4	S.Choir	Quack Br	Flute	WireLead	Echoes 2	Smokey	Gamelan	Siren
Harpsi.3	60sDrOr1	Dst.5ths	Clv Bass	Slow Str	SfrzndBr	Recorder	Br.Layer	SynDrCmp	BelChoir	ThaiBell	Train
PianoStr	Lite Org	Nyln&Stl	JazzRthm	LegatoSt	Trumpet2	PanFlute	Soft Wrl	Popcorn	Dharma	RevKick1	JetPlane
ElGrPno2	60sDrOr2	FunkGtr1	Ba&DstEG	LoFi Hit	Tuba 2	Bottle	SineLead	Echo Pan	Ethnic	S.Gamlan	Starship
HardEl.P	70sDrOr1	FeedbkGt	TechnoBa	Ch.Aahs2	BriteTrp	Shakhchi	SynPluck	TinyBell	Sitar	RevConBD	Burst
DX Phase	ChurOrg2	Stl&Body	ModulrBa	Arco Str	Trmbone2	Whistle	Pulse Ld	WarmAtms	Banjo	Rama Cym	Coaster
Dream	DrawOrg2	MuteStlG	DX Bass	Reso Str	MildBrss	Ocarina	SyncLead	HollwRls	Shamisen	Rev Tom1	Submarin
ElGrPno3	60sDrOr3	FeedbGt2	FngrSlap	MelChoir	Soft Brs	PanFlut2	Seq Ana.	Prologue	Koto	AsianBel	Laugh
DX+Analg	PercOrg2	VelGtHrm	VeloSlap	60sStrng	RezSynBr	Kawala	Synth Pad	RndGlock	Kalimba	Rev Tom2	Scream
DXKotoEP	Even Bar	FunkGtr2	VXUprght	Syn Str3	PolyBrss	Synth Lead	NewAgePd	GlockChi	Bagpipe	Sound Effects	Punch
VX El.P1	16+2"2/3	Gt.Pinch	FngBass2	OrchHit2	SynBrss3	SquareLd	Warm Pad	Nylon EP	Fiddle	FretNoiz	Heart
VX El.P2	NotreDam	RckRthm2	Jazzy Ba	Orchestr	Warm Trp	Saw Ld	PolySyPd	ClearBel	Shanai	BrthNoiz	Footstep
60sEl.P1	Puff Org	Jazz Man	Slapper	Warm Str	FrHorn 2	CaliopLd	ChoirPad	ChorBell	MuteBnjo	Seashore	Applaus2
PulseClv	Organ Ba	RckRthm1	Orbiter	GrandPad	JumpBrss	Chiff Ld	BowedPad	ClaviPad	DetSitar	Tweet	MchinGun
PierceCl	JazOrgan	CleanGt2	X WireBa	ChoirStr	Tp&TbSec	CharanLd	MetalPad	HrmoRain	Sitar 2	Telphone	LaserGun
Chromatic Percussi		AcoHarmo	Mod.Bass	SyVoice2	Tp&TbSc2	Voice Ld	Halo Pad	Ancestrl	BigKalim	Helicptr	Xplosion
Celesta	OrgFlute	MidT.Gtr	Thum&Slp	Orchstr2	HornOrch	Fifth Ld	SweepPad	SynMalet	Shanai 2	Applause	Firework
Glocken	TngoAcd2	GtFeedbk	Sqr.Bass	Kingdom	BrssFall	Bass&Ld	ThickPad	NylnHarp	Tambra	Gunshot	1-Hework
MusicBox	70sDrOr2	MidTGtSt	AtkPulse	Choral	BrssSec2	SquarLd2	Soft Pad	FantaBel	Rabab	SFX	
Vibes	WarmJzOr	GtrHrmo2	RubberBa	TremOrch	SyBrsSub	Saw Ld 2	Sine Pad	GobSynth	Tsugaru	CuttngNz	
Marimba	SloRotar	NasalGtr	CS Light	Velo.Str	SynBrss4	LMSquare	Shwimmer	EchoBell	Taisho-k	CttngNz2	
Xylophon	TrmOrgFl	NaslGtSt	Fish	70s Str	Hi Brass	ThickSaw	Converge	Starz	Pungi	DstCutNz	+
TubulBel		Ukulele	MetlBass	Svn Str4	ChoirBrs	Big&Low		AfrenWnd	Tamboura	Str Slap	-
	CheezOrg						Fantasy				-
Dulcimer	ClikOrgn	Mandolin	HardReso	StrngAah	MelloBrs	Hollow	Horn Pad	Rave	Gopichnt	B.Slide	+
Vibes K	FstRotar	PdlSteel	SynFretl	VoiceDoo	AnVelBr1	Dyna Saw	PolyPd80	SftCryst	Kanoon	P.Scrape	

PERFORMANCE LIST

Ministry	Transine	Ramp	Lipstick	Banners	SweepPd	Grnd/EP	SloStrgs	Fretless	RtmScrch	Fireworx	RockMakr
I'mReady	DJ Zap	Fat Snap	MegaClav	Metropol	HolyMthr	Pno&Str	Drama	6String	SeaOrgel	Engels	TechRock
TekScene	XChoir	Coastal	DigiWah	WavePad	Sparkle	Bottled	DarkStr	Jaco	Atlantis	N.Y. 99	Vibe-izm
Boodoo	Happysyn	Squash	SynChord	Awaken	Kiseki	Old One	Sweet	Slap	Planktns	SuperArp	NewFunk
Roulette	Tekuitar	Cosmic	CHook	4AD	Despair	ChorusEP	ObieStr	Upright	13Friday	Hard On	FunkyBro
LongDay	Goa	FuzzLine	Larynx	Thermion	BeBach	DX EP1	Jupiters	BoogieOn	Science	Kirmes1	Orchstra
Walrus	Noiz+Rez	Gigabass	Scary	Pan	More Ice	Wurlitzr	Simple	DX Super	Sewer	Clasical	Mr. Mute
Sync303	VocalGym	SubBs	AtkDist	Athens	Chemical	Wurliolo	HornSect	Kickit	Swamp	DRUG	WWinds
MDMA	Astral	Lately	WahDcy	Abandone	AyersRok	Clavinet	Jump!	Kasimodo	Radium	X-Sweep	909 Kit
Chordal	SharpLd	Electron	Bitcomp	BellToll	BlueBook	RezClav	FatBrass	Lounge	HipNosys	Nexxus	808 Kit
HardMorf	VanDriva	Stroller	Torture	AirBlowr	Moonweed	Jimmy	Syn&Brs	BellZee	Cryton	Katarsis	4 by 4
Faaaat	Bohkyoh	Syko	M25	Emerald	Alobar	Emerson	CS Warm	DoraDora	TubChoka	Rave	Elec Kit
TekkHook	Pizzsyn	Bomber	Big Tune	Ethereal	Kemistry	Full B	Anaswell	Masala	Dark SE	AN Velo	B900 Kit
TechLead	Insomnia	Warp	Nevada	AutoSaw	Abyss	GospelB	OBSX	NuTribal	Hammer	Memes	Session
Europe	SynSteel	Rider	Ocean	Birds	Dandelio	Swish	FatAnne	Emergeny	Patty	Messa	
RaveLine	Trancy	HouseOrg	Red Wine	Geometry	OrchHits	Full	Odyssy	AirForce	Reflect	Moondot	
HouseYa!	Taurus	Monty	FatSweep	Difusion	AcidHits	Ranks	BloozHrp	TeckFX	Drumatic	Euro Kit	
Earth	Punchy!	GutRencH	Shadow	Fx Bell	FunkyHit	SuperVox	Steel	Bad Man	7th Rndm	WishU're	
CS15	101 Bass	DropBass	Dreampad	Beauty	Concert	Spyral	RoundStl	SpceWarp	X2-Sweep	DanceTec	
MiniSaw	3o3Wave	Bad Ass	FlutePad	Ghosts	Wired	DeepHouz	ChoStrat	Lego	TranSeq	DigPhase	
BluGreen	OctaBass	Pop Comp	HitoLo	Breathy	CP99	ThaDoorz	RokNasty	Magneto	Acidosis	Ready	
RapLine	Harmo	Analog	Venus	Transpad	LoFi	Stryng	Stack	Cyber SE	MadKeef	Becoming	

Specifications

KEYBOARD	61 keys with Initial Touch		
TONE GENERATOR	AWM2 (Wave ROM 16MB)		
POLYPHONY	64 notes		
MULTI TIMBRE	16 or one Performance + 12		
PERFORMANCE	256 Presets, 256 Users		
VOICE	Normal Voices	Total XG TG300B	779 586 614
	Voices For Performances		
	Drum Voices	Total XG TG300B	30 20 10
ARPEGGIATOR	40		
EFFECT	Reverb Chorus Variation		12 14 62

CONTROLS	CONTROLS STANDBY/ON, VOLUME, PITCH, MODULATION, Sound Control Knobs 8, SCENE 1/2, Numeric Keypad, ENTER, Mode Select (PERFORMANCE, MULTI, STORE, UTILITY), ARPEGGIATOR, SHIFT/OCTAVE, PART/LAYER +/, PRESET, USER, PROGRAM +/-, Edi Parameter Rotary Switch, Parameter Value Up/Down buttons 10
DISPLAY	LCD (Back Lit)
TERMINALS	PHONES (Stereo Phone), OUTPUT (Phone): L[MONO]/R, DC IN, FOOT VOLUME, FOOT CONTROLLER, FOOTSWITCH, INPUT, TO HOST, HOST SELECT, MIDI IN/OUT/THRU
POWER SUPPLY	AC adaptor PA-3B or equivalent AC adaptor
DIMENSIONS	976 (W) x 285 (D) x 103 (H)mm (38-3/8" x 11-1/4" x 4-1/16")
WEIGHT	5.7kg (12 lbs., 9 oz.)
ACCESSORIES	Yamaha AC Adaptor PA-3B Owner's Manual, Data List
	Descriptions and photographs in this brochure are for information purposes only, and







For details please contact:





Fresh wave sounds with deeper dimensions designed to give yourmusic e edge that will truly stand out



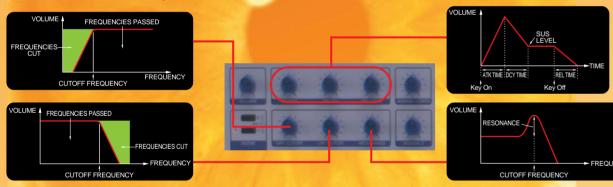






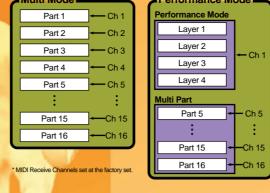
AWM2 VOICE AWM2 VOICE AWM2 VOICE AMPLIFIERS AMPLIF

Nothing compares to being able to grab a knob and change a sound in realtime – especially when it comes to the type of intricate and evolving synth sounds used in today's dance music productions. That's why the CS2x has 8 Sound Control knobs which give you direct access to key sound parameters like envelope (attack, decay, release), filter (high pass and low pass), and resonance. Two extra assignable knobs can be assigned to control the parameter of your choice, whether it be stereo panning, Arpeggiator tempo, effect send level or one of many others. You can store your favorite knob positions in the two Scene memories for instant recall as you play. With the CS2x, you're quaranteed direct control over your sound at all times.



Rich Performance "Layers" And Easy Panel Editing

The CS2x comes with a comprehensive collection of phat "state-of-the-street" dance sounds and killer emulations of classic "retro" analog synths specially selected for today's electronic music production scene plus a selection of instrument Voices for a wide variety of contemporary music styles. The 256 Preset and 256 programmable User Performances and easy-to-use panel editing functions are another reason the CS2x is such a powerful synth capable of sensationally rich and highly complex sound textures. A Performance is comprised of up to 4 individual voice Layers that can be played simultaneously or that can each be assigned to play only in specified Velocity



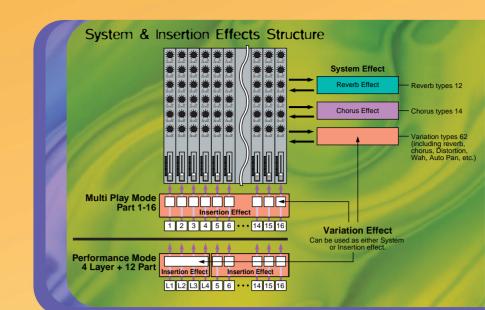
and Key Ranges. Also included in each Performance are the Arpeggiator settings, Sound Control knob positions and two stored Scenes ("snapshots" of the knob positions), plus all other panel edit parameters – including Reverb, Chorus and Variation effect settings. What's more, Multi Play In Performance Mode lets you use your Performances along with 12 other XG or GM sounds driven by an external MIDI sequencer. So while your sequenced backing tracks are kickin' the groove, you can play the keyboard and manipulate your sounds in realtime using all the great Performance mode features like the Arpeggiator, the Control Knobs and morphable Scenes.

Arpeggiator Pattern List

3	UpOct4	The chord (or phrase) ascends up to 4 Octaves.
4	DwOct1	The chord (or phrase) descends down to 1 Octave.
5	DwOct2	The chord (or phrase) descends down to 2 Octaves.
6	DwOct4	The chord (or phrase) descends down to 4 Octaves.
7	UpDwAOct1	The chord (or phrase) ascends up to 1 Octave, then descends.
8	UpDwAOct2	The chord (or phrase) ascends up to 2 Octaves, then descends.
9	UpDwAOct4	The chord (or phrase) ascends up to 4 Octaves, then descends.
10	UpDwBOct1	The chord (or phrase) ascends up to 1 Octave , then descends.
	орожован	(This feature is slightly different from type UpDwAOct1.)
11	UpDwBOct2	The chord (or phrase) ascends up to 2 Octaves, then descends.
		(This feature is slightly different from type UpDwAOct2.)
12	UpDwBOct4	The chord (or phrase) ascends up to 4 Octaves, then descends.
		(This feature is slightly different from type UpDwAOct4.)
13	RandmOct1	Plays up and down randomly between 1 Octave, based on the
		chord you play.
14	RandmOct2	Plays up and down randomly between 2 Octaves, based on the
		chord you play.
15	RandmOct4	Plays up and down randomly between 4 Octaves, based on the
		chord you play.
16	Techno-A	Typical techno sequence TYPE A. (Euro techno type.)
17	Techno-B	Typical techno sequence TYPE B. (UK Type with Velocity.)
18	Techno-C	Typical techno sequence TYPE C. (Japan techno type.)
19	Techno-D	Typical techno sequence TYPE D. (German techno type.)
20	DAHouse	Backing sequence with House music feel.
		(Bass for left hand, Chord play for right hand.)
21	SyncopaA	Syncopation type sequence TYPE A.
22	SyncopaB	Syncopation type sequence TYPE B. (Octave moves extremely.)
23	Echo&Pan	Moving panning sequence with echo.
24	TekkEcho	Moving filter sequence with echo.
25	SweepLine	Sweeping filter sequence.
26	PulseLine	The sequence mixed with bass line and sequence line.
27	BaseLineA	Arpeggio phrase TYPE A for bass.
28	BaseLineB	Arpeggio phrase TYPE B for bass. (With Velocity.)
29	BaseLineC	Arpeggio phrase TYPE C for bass.
30	BaseLineD	Arpeggio phrase TYPE D for bass.
31	Ocean	Duophonic Arpeggio, nice for textures, uses up to 4 input notes.
32	X-Sweep	Duophonic Arpeggio, two arpeggios moving in opposite
		directions, using up to 3 input notes.
33	Lamb	Duophonic Arpeggio, nice with complex chords, using up to 5
		input notes.
	Thips	Note Repetition Pattern, with velocities, using up to 2 input notes.
35	HardCore	Monophonic Acid Line, using up to 3 input notes.
36	Doves	Trancey Monophonic Line, using up to 4 input notes.
37	Chordal	Duophonic Chordal Sweep, using up to 3 input notes.
38	Orbit	Triphonic Chordal Movement, using up to 6 input notes, try different chords in each hand.
39	VelGruv	Monophonic Acid Line, with velocities, using up to 4 input notes.
40	MuteLine	Monophonic Sequence, very short notes, using up to 2 input
		notes.

40 Phat Arpeggiator Patterns With MIDI Output

Want to have some real fun? Then switch on the Arpeggiator and play a chord. The CS2x will create automatic arpeggiated chords based on the notes you play. With the 40 arpeggio types and 10 timing resolution subdivisions available, you can literally get carried away for hours on end creating a vast array of arpeggios. An Arpeggiator Hold function lets the arpeggios continue to loop even after taking your hands from the keyboard, and an Arpeggiator Split function lets you play the arpeggiated chords to the left of the split point while playing normally to the right. The Arpeggiator works exceptionally well with an external MIDI sequencer, as the CS2x can either control or be controlled by the clock of the external device. What's more, since the CS2x's Arpeggiator data can be output via MIDI, you can record its note and timing events into a track of the external sequencer, or have it "trigger" the voices of other MIDI synthesizers or external tone generators.



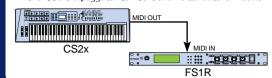
Versatile MIDI Capabilities

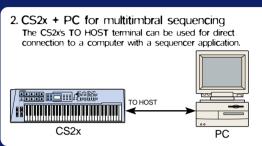
The CS2x also has a Multi Play mode with 779 XG normal voices and 30 drum kits (including TG300B compatibility). You can play any of the XG voices from the keyboard as "1 part", or you can assign up to 16 of them across "16 parts" for multitimbral desktop music production using an external MIDI music sequencer. A built-in TO HOST terminal eliminates the need for a special MIDI interface between the CS2x and a computer. And since the CS2x is designed for XG and GM formats, you can easily control all voice and effect selections as well as individual parameter settings via MIDI program change, control change and system exclusive messages programmed in the sequencer tracks of the song. (It's also great for playing back commercially available SMF type Standard MIDI Files.) The CS2x is so versatile it can be connected to various types of other MIDI and audio components to create an expanded system.

When it comes to programming the CS2x's detailed edit parameters, what you see is what you get! Because all Edit mode parameters are available in a grid of six menus printed on the panel and accessible by twisting the Edit Parameter Rotary switch and pressing the corresponding data entry button, you'll never have to wade through layers of submenus. It's really that simple.

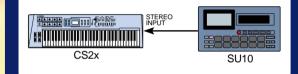
System_{Examples}

 CS2x + Tone Module (such as Yamaha FS1R) for extra voices
 The CS2x's arpeggiator can control an external tone module.



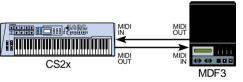


3. CS2x + SU10 for adding sampled sounds
The sampler's stereo audio signals can be mixed with the
CS2x's via a stereo Input jack.



4. CS2x + MDF3 (for data storage)

This combination provides for music sequence playback, including MIDI bulk data exchange.



Handy Scenes' And Realtime Scene Morphing

With the infinite variety of sounds you can get out of the CS2x using the Sound Control knobs, you'll be glad you can store your favorite knob positions in the two Scene memories. Simply pressing a Scene button as you play will recall the sound you want, which makes Scenes handy for quickly changing the sound between verses and choruses and lead breaks. A Scene Control function lets you use the Modulation Wheel or a connected Foot Controller to "morph" between the two Scene sounds in realtime.





Together with the QY70 Music Sequencer, the CS2x can become a compact but very powerful music production system, as well as a versatile live performance tool that you can play anywhere you want!