

YAMAHA

QS300

MUSIC PRODUCTION SYNTHESIZER



GENERAL
MIDI XG

Total Music Production in a Single, Powerful Keyboard—The QS300

The QS300 Music Production Synthesizer provides all you need to create and perform fully orchestrated and professional-sounding music. The QS300 features a state-of-the-art tone generator, plus a comprehensive sequencer—with accompaniment styles—for recording and editing your performances.

The tone generator of the QS300 provides 932 high-quality Voices and 22 drum kits, which include full compatibility with General MIDI and Yamaha's new XG format. It also features and three separate digital stereo effects sections for processing the Voices.

The sequencer section features flexible and convenient automatic accompaniment functions and includes a huge storehouse of 3,093 preset Phrases and 100 preset Styles (each having eight “sections”) that provide complete backing band parts in a wide variety of musical styles.

The QS300 features:

- ❖ Rich and authentic AWM2 sound, with a total of 932 Voices and 22 drum kits, including 128 User Voices and 1 User drum kit.
- ❖ Versatile auto accompaniment, with a musical style data base of 3,093 Phrases and 100 Styles, each with 8 Sections.
- ❖ Memory space of 100 User Phrases and 100 User Styles for custom use.
- ❖ Powerful sequencer with maximum 86,000-note and 10-Song capacity.
- ❖ Large LCD display with “virtual” mixing console and analog-style faders and knobs for easy control.
- ❖ Convenient, new Template function for fast and easy Voice editing.
- ❖ Maximum compatibility with the ever-expanding of GM and XG song data.

Powerful and Realistic Voices—The Tone Generator Section

The vast music production potential of the QS300 starts with the stunningly rich and authentic tone generator section. It's powered by Yamaha's state-of-the-art AWM 2 (Advanced Wave Memory 2) tone generation system and features a total of 932 exceptionally high-quality Voices, in 47 different Voice Banks. Not only does it give you great sounds, but it also provides complete compatibility with General MIDI and the new XG format—and it features a maximum 32-note polyphony to handle even the most complex song data.

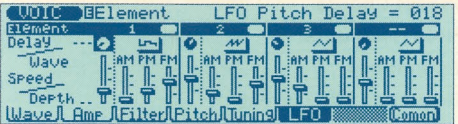
Studio Quality Stereo Multi-Effect Processing

The QS300 has three versatile stereo effect sections which provide an enormous variety of tools for enhancing and changing the sound of the Voices. All told, you can choose from 12 types of Reverb, 11 types of Chorus, and a full 42 different Variation effect types—including Delay, Rotary Speaker, Distortion and Auto Wah. And all three sections can be used simultaneously to add further punch to your sound.

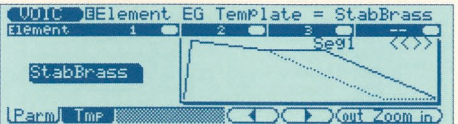
The processing flexibility of the effects extends to two routing methods for the Variation effects: System and Insertion. System applies the selected Variation effect to the Voices of all 16 tracks, while Insertion applies the effect to one specific track.

Comprehensive Voice Editing Controls

The Voice editing functions give you an exceptionally wide range of controls for changing both the actual sound of a Voice and how that Voice responds to various real-time performance controls. What's more, the controls are exceptionally easy to use, with intuitive graphical operations/indications and analog synthesizer-style controls.



To start with, a single Voice contains up to four different “Elements.” An Element is one of 205 different waveforms, and with the various edit parameters, they make up the basic sonic building blocks of the QS300. These can be assigned to different sections of the keyboard, played at different velocities, with different EG settings, and be given completely independent filter, pitch EG, tuning and LFO settings. The flexibility includes EG Templates that provide a total of 65 preset EG settings for amplitude, filter and pitch—making editing especially fast and easy. In addition, each Voice that you create can be given its own volume and velocity response settings.

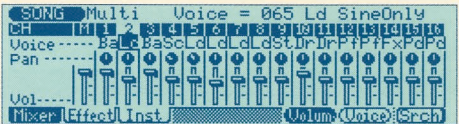


Synth soloists in particular will appreciate what the mono mode and portamento controls can do for their live sound. In addition to the powerful Preset Voices, there's internal memory space for saving up to 128 User Voices—not to mention

unlimited storage capacity with the floppy disk drive.

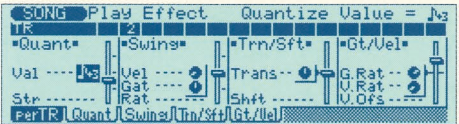
Putting Your Music Together—Song Recording and Playback in the Sequencer Section

The sequencer section features 16 tracks for recording your own performances. Three additional tracks—Pattern, Chord, and Tempo—let you record fully automatic backing tracks and tempo changes. Each track's Voice can have different filter and vibrato settings, velocity response, and even be given independent EG and MIDI controller settings. And all these controls are available in a virtual “mixing console” in the display.



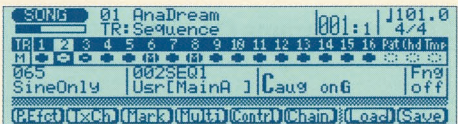
And if you need to change something you've recorded, there's a wealth of comprehensive and flexible editing controls that let you individually modify the timing, pitch (note), gate time (length) and velocity (loudness) of each recorded note. They also allow you to change the data values of other recorded events, such as pitch bend, program change, after touch and system exclusive. There's even a special Edit Insert mode that lets you insert addition events at any point in the recorded data.

And, thanks to full compatibility with the General MIDI and new XG formats, the QS300 ensures high-quality playback and reproduction of virtually any song data. Plus, the Play Effect functions give you extensive playback-only controls for changing various aspects of how the song data is played back, including quantization, transposition/tuning, gate time, and velocity response—without altering the data itself.



Fully Automatic Accompaniment

What makes the QS300's sequencer even more powerful are the versatile automatic accompaniment functions. With an incredible total of 3,093 preset Phrases and 100 Styles, these functions give you complete backing band parts (including drums, bass, guitar, keyboards, strings, etc.) for virtually any type of music. Naturally, you can specify any of 28 chord types and have the backing parts change accordingly. You can even create your own original backing parts (up to 100 User Phrases and 100 User Styles) and use them with the automatic accompaniment.



Total Music Production

For an all-in-one music production instrument, the QS300 has amazing depth. The comprehensive editing controls, MIDI implementation, 16-part multi-timbral capacity make the QS300 an ideal centerpiece for the recording or project studio. With the wealth of chords, Phrases, Patterns, and comprehensive editing functions, you can instantly and easily turn your inspirations into complete—and professional-sounding—compositions.

The huge number of high-quality Voices and professional-level effects makes the QS300 a perfect live performance keyboard, as well. Add the 16-track sequencer and the sophisticated automatic accompaniment, and you've got a single, easy-to-use instrument that can take the place of an entire band! For the solo club performer, the QS300 is a powerful workhorse, providing authentic sounding rhythm, bass and chordal accompaniment in a wide variety of musical styles. For your performing repertoire, use material from the vast and ever-expanding library of GM- and XG-compatible song data, or create your own songs—and play along!



Voice List

XG Mode Voices (480 voices)

NormalVoices

No.	Bank 0	Variations in Bank 1-101	No.	Bank 0	Variations in Bank 1-101	No.	Bank 0	Variations in Bank 1-101	No.	Bank 0	Variations in Bank 1-101	CuttngNz	Telphon2
												CttngNz2	CarEngin
1	GrandPno	4	33	Aco.Bass	2	65	SprnoSax	0	97	Rain	4	Str Slap	Car Stop
2	BritePno	1	34	FngrBass	6	66	Alto Sax	2	98	SoundTrk	2	FLCKlik	Car Pass
3	E.Grand	4	35	PickBass	1	67	TenorSax	3	99	Crystal	16	Rain	CarCrash
4	HnkyTonk	1	36	Fretless	5	68	Bari.Sax	—	100	Atmosphr	7	Thunder	Siren
5	E.Piano1	6	37	SlapBas1	2	69	Oboe	—	101	Bright	2	Wind	Train
6	E.Piano2	8	38	SlapBas2	1	70	Eng.Horn	—	102	Goblins	8	Stream	Jetplane
7	HarpSi.	3	39	SynBass1	9	71	Bassoon	—	103	Echoes	8	Bubble	Starship
8	Clavi.	4	40	SynBass2	8	72	Clarinet	—	104	Sci-Fi	1	Feed	Burst
9	Celesta	—	41	Violin	1	73	Piccolo	—	105	Sitar	4	Dog	Coaster
10	Glocken	—	42	Viola	—	74	Flute	—	106	Banjo	4	Horse	SbMarine
11	MusicBox	1	43	Cello	—	75	Recorder	—	107	Shamisen	—	Bird 2	Laughing
12	Vibes	2	44	Contrabs	—	76	PanFlute	—	108	Koto	2	Ghost	Scream
13	Marimba	4	45	Trem.Str	2	77	Bottle	—	109	Kalimba	—	Maou	Punch
14	Xylophon	—	46	Pizz.Str	—	78	Shakhchi	—	110	Bagpipe	—	Tel.Dial	Heart
15	TubulBel	2	47	Harp	1	79	Whistle	—	111	Fiddle	—	DoorSqek	FootStep
16	Dulcimer	3	48	Timpani	—	80	Ocarina	—	112	Shanai	3	Door Slam	MchinGun
17	DrawOrgn	12	49	Strings1	8	81	SquareLd	7	113	TnkIBell	6	Scratch	LaserGun
18	PercOrgn	4	50	Strings2	6	82	Saw.Lead	11	114	Agogo	—	Scratch 2	Xplosion
19	RockOrgn	3	51	Syn.Str1	3	83	CaliopLd	1	115	SteelDrum	2	WindChm	FireWork
20	ChrchOrg	5	52	Syn.Str2	—	84	Chiff Ld	1	116	WoodBlok	1		
21	ReedOrgn	1	53	ChoirAah	4	85	CharanLd	2	117	TalkoDrum	1		
22	Acordion	1	54	VoiceOoh	—	86	Voice Ld	2	118	MelodTom	3		
23	Harmnica	1	55	SynVoice	3	87	Fifth Ld	1	119	Syn.Drum	2		
24	TangoAccl	1	56	Orch.Hit	2	88	Bass & Ld	3	120	RevCymbal	1		
25	NylonGtr	4	57	Trumpet	3	89	NewAgePd	1	121	FretNoiz	—		
26	SteelGtr	5	58	Trombone	1	90	Warm Pad	5	122	BrtNoiz	—		
27	Jazz Gtr	2	59	Tuba	1	91	PolySynPd	4	123	Seashore	—		
28	CleanGtr	1	60	Mute.Trp	—	92	ChoirPad	3	124	Tweet	—		
29	Mute. Gtr	4	61	Fr.Horn	3	93	BowedPad	2	125	Telephone	—		
30	Ovrdrive	1	62	BrasSect	4	94	MetalPad	2	126	Helicptr	—		
31	Dist. Gtr	2	63	SynBras1	7	95	Halo Pad	—	127	Applause	—		
32	GtrHarmo	2	64	SynBras2	5	96	SweepPad	4	128	Gunshot	—		

XG Drum Programs (11 kits)

Standard Kit	Room Kit	Electro Kit	Jazz Kit	Classic Kit	SFX 2
Standard 2 Kit	Rock Kit	Analog Kit	Brush Kit	SFX 1	

Preset Voices

No.	Voice Name	No.	Voice Name	No.	Voice Name	No.	Voice Name	No.	Voice Name	No.	Voice Name	No.	Voice Name	No.	Voice Name
1	CrystaLake	33	909 Kit	65	Glassy	97	DXorigin	1	Aurora	33	Tijuana	65	Tron Choir	97	StereoPizz
2	Floyd	34	SubTfiorner	66	Purple	98	IceDX	2	Tri Pad	34	Miles Away	66	HybriChoir	98	LoFi Str
3	CosmicRays	35	PowerSyn	67	Fest Hall	99	Suitcase	3	Expander	35	Back Horns	67	Dance Pno2	99	ViennaWltz
4	SoliPhase	36	Matrix	68	Steyrisch	100	Condenser	4	DancePulse	36	Shining	68	CheapDance	100	DarkStrngs
5	BigBellPad	37	Hit It	69	Acid Saw	101	Celesta EP	5	Rezzy	37	Robo Chat	69	Hard	101	Grapelli
6	SpaceGlass	38	Tekk Brass	70	Dirty	102	Wah Clavi	6	Pulse Wmod	38	Dance SE	70	Wire Piano	102	Hand Bell
7	Blue Water	39	P5Brass-AT	71	Chrystal	103	Vai	7	Seq Saw1	39	S&H303	71	Rock	103	Jazz Vibes
8	CS 01	40	Majesty	72	Bottlead	104	Steve	8	Seq Saw2	40	Devil Bell	72	CP80Chorus	104	White Bell
9	Punch Bass	41	Sir	73	MgSolo-AT	105	Grunge	9	Seq Pulse	41	Rez Set4	73	CP80 Heavy	105	Bluez-MW
10	Solid	42	40th Brass	74	Feed Lead	106	Feedback	10	Seq+Sin-MW	42	Compact	74	Jazzy CP70	106	Toots
11	Black	43	Brass Fall	75	Delylah	107	Dimension	11	Pulse25	43	PhaseOrgan	75	Wurlitz	107	Alto
12	Black2	44	Four	76	Mr. Duke	108	Velo Strat	12	Amped	44	Door	76	PanWurlitz	108	Solo Oboe
13	Super Bass	45	Orch ff	77	Rave Hook	109	12Martin	13	Crawl	45	Principal	77	Digi Roads	109	PicoRecdr
14	Brut Bass	46	StabSectAT	78	Mega Hook	110	Legato	14	These Days	46	Theatr Org	78	PhaseRoads	110	Picco Solo
15	Sub Bass	47	House Hit1	79	Fluty	111	Arco	15	Precision	47	Sixties	79	Panning EP	111	PercuFlute
16	FormantBas	48	House Hit2	80	Sync It!	112	BackStrngs	16	HvyWeather	48	DistHamOrg	80	Noisy Clav	112	Ravi
17	Sine	49	Major Hit	81	Tekk Line	113	Quartet	17	Harmo Lead	49	Click Jazz	81	70thClavnt	113	Shaku
18	Mogue	50	Tekk Hit	82	Reso Comp	114	Marcato	18	Opus	50	Gospel	82	Cembalo	114	Rich Koto
19	Kick Bass	51	Rez Set1	83	Power Comp	115	Wedding	19	Light&Body	51	Tango	83	Woman	115	Bali
20	Fng&Slap	52	Rez Set2	84	SeqQoir-MW	116	Afro Drum	20	Sprite	52	Musette	84	Half Drive	116	Shami
21	AutumnWind	53	Rez Set3	85	Noise Vox	117	Emperor	21	Sanctuary	53	Jan	85	Cry-MW	117	Santur2
22	MellowWind	54	Das Boot	86	Tekk Chord	118	Kama Sutra	22	Eerie	54	Thick	86	FunkWah-MW	118	Zither
23	MotherEarth	55	BeadsChoir	87	Pulse Stab	119	Bahama	23	Slow Morph	55	Saw Horn	87	ChrusStrat	119	Hack Brett
24	Moonraker	56	Choir Wind	88	Acid Pulse	120	Foster	24	Heli Drone	56	Plucky	88	Classic	120	Scott Pipe
25	Mariana	57	Tape Spin	89	Saw Stab1	121	AnalSpli	25	Ambient-AT	57	Pure Sine	89	Sevilla	121	Xylopad
26	Jewel Box	58	Horror	90	Saw Stab2	122	Jazzy Club	26	Sub Oscitr	58	Pure Tri	90	Benson	122	Strymx&Pno
27	SprimMorni	59	Harbour	91	Vel Choir	123	SectnSplit	27	Obie Soft	59	Scat Line	91	Hawai DoA	123	Fairy
28	FeatherVce	60	Factory	92	Cathedral	124	Wood Sect	28	Dance Saw	60	Glass Cut	92	MarcStrngs	124	EP&Strings
29	Mont Blanc	61	Nightmare	93	Gregorian	125	Rock Set	29	Brother	61	Syn Clavi	93	Ana Strngs	125	70th Crime
30	Reso Drone	62	Harp Minor	94	Dance Pno1	126	Big Band	30	Sforzando	62	SeqQoirVel	94	Chamber	126	Funk Split
31	Coral	63	DanceOrgan	95	Jazzy Pno	127	Symphony	31	HrnSect ff	63	Vocoder	95	SizTremolo	127	Haendel
32	JungleRoad	64	Beat Org	96	Romantic	128	CandleLite	32	Big Ens	64	Reso Choir	96	Oct	128	Zamphir

Preset Styles

No.	Style Name	No.	Style Name	No.	Style Name	No.	Style Name	No.	Style Name	No.	Style Name	No.	Style Name	No.	Style Name
001	Rave 1	014	DiscoSoul	027	Sw.Waltz	040	24BtShfl	053	6/8Gospl	066	Rkabilly	079	SlwBoss	092	C&W Shfl
002	Rave 2	015	Rap 1	028	FolkRock	041	Ethno	054	FastGosp	067	Swing	080	PopBoss	093	C&W Bld
003	Eurobeat	016	Rap 2	029	8BtLite	042	Passion	055	PopRock1	068	BeBop	081	R.Latin	094	C&W Wltz
004	Techno	017	8BtDnce1	030	8BtPop1	043	R&B	056	PopRock2	069	JazzBld	082	Rumba	095	M.March
005	House	018	8BtDnce2	031	8BtPop2	044	Soul 1	057	16BtR&R	070	B.B.Bld	083	Espagnol	096	6/8March
006	DancePop	019	SYBoogie	032	Detroit	045	Soul 2	058	HrdRock1	071	Ragtime	084	Bomba	097	Polka
007	Casa	020	PianoBld	033	Amb.Pop	046	Funk 1	059	HrdRock2	072	Dixie	085	Guanco	098	Slowfox
008	DnceShfl	021	PopBld1	034	Travels	047	Funk 2	060	RockShfl	073	J.Waltz	086	Reggae1	099	Foxtro
009	GrndBeat	022	PopBld2	035	Seq.Pop	048	R&B Bld	061	RockBgy.	074	Fusion	087	Reggae2	099	TangoArg
010	Acid 1	023	E.Ballad	036	PowerPop	049	BlusShfl	062	HR Shfl	075	Fsn.Shfl	088	Ska	100	V.Waltz
011	Acid 2	024	16BtBld	037	N.Y.	050	6/8Blues	063	Rock&Roll	076	Mambo	089	Calypto		
012	DscFunk1	025	New Age	038	J-Pop	051	Ptn Name	064	Boogie	077	Samba	090	BluGrass		
013	DscFunk2	026	6/8 Bld	039	16BtPop	052	SlwBlues	065	Twist	078	J.Samba	091	C&W Rock		

For details please contact:

Specifications

Tone Generator

Type	AWM2 (Advanced Wave Memory 2)
Maximum Polyphony	32 notes
Multi-timbral Capacity	Song mode: 24 (16 sequencer tracks + 8 Pattern tracks) Pattern mode: 8
Voices	XG: 480, and 11 drum kits TG300B: 579, and 10 drum kits Preset: 128 User: 128, and 1 drum kit
Sequencer	
Tracks	Song mode: 19 (Tracks 1 –16, Pattern, Chord, Tempo) Pattern mode: 8 (Tracks 1 – 8) Phrase mode: 1
Data Capacity	Approx. 86,000 notes 10 Songs 100 User Styles x 8 Sections (800 Patterns) 100 User Phrases
Preset Phrases	3093
Preset Styles	100 Styles x 8 Sections (800 Patterns)
Record Modes	Realtime, Step, Punch-in, Edit Insert
Preset Chords	28 (including "Thru")
Note Resolution	96 clocks/quarter note
Edit modes	Song Edit, Phrase Edit
Sequence File Format	LOAD:SMF (Standard MIDI File Format 0 and 1), ESEQ SAVE: SMF (Standard MIDI File Format 0), ESEQ
General	
Keyboard	61 keys, with initial touch and after touch
Display	240 x 64 dot graphic liquid crystal display (backlit, with contrast control)
External Memory	3.5" 2DD/2HD-type floppy disk drive
Connectors	PHONES, OUTPUT (L/MONO, R), FOOT VOLUME, FOOT CONTROLLER, SUSTAIN, MIDI IN/OUT/THRU, AC INLET
Power Requirements	US Canadian models: 120V, 20W General model: 220-240V, 20W
Dimensions (W x D x H)	1067 x 371 x 121 mm (42" x 14-5/8" x 4-3/4")
Weight	13.0 kg (28 lbs., 10 oz.)
Included Accessories	Factory Set and Demonstration Disk

Specifications and appearance subject to change without notice.

