YAMAHA
QS300
MUSIC PRODUCTION SYNTHESIZER

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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 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.

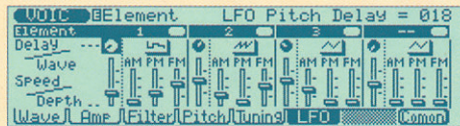## Studio Quality Stereo Multi-Effect Processing

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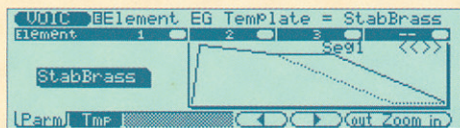
The processing flexibility of the effects extends to two routing methods for the Variation effects: System and Insertion. System applies the selected Variation effect to the Voices of all 16 tracks, while Insertion applies the effect to one specific track.

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.
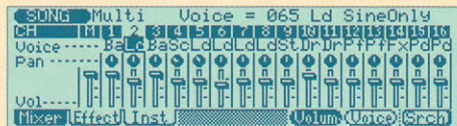

Synth soloists in particular will appreciate what the mono mode and portamento controls can do for their live sound. In addition to the powerful Preset Voices, there's internal memory space for saving up to 128 User Voices—not to mention

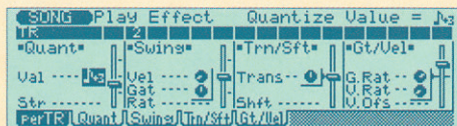unlimited storage capacity with the floppy disk drive.

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.
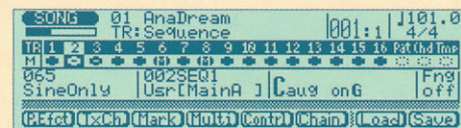

And if you need to change something you've recorded, there's a wealth of comprehensive and flexible editing controls that let you individually modify the timing, pitch (note), gate time (length) and velocity (loudness) of each recorded note. They also allow you to change the data values of other recorded 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 center-piece 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)
Normal Voices

No.	Bank 0	Var. 1–101	No.	Bank 0	Var. 1–101	No.	Bank 0	Var. 1–101	No.	Bank 0	Var. 1–101
1	GrandPno	4	33	Aco.Bass	2	65	SprnoSax	0	97	Rain	4
2	BritePno	1	34	FngrBass	6	66	Alto Sax	2	98	SoundTrk	2
3	E.Grand	4	35	PickBass	1	67	TenorSax	3	99	Crystal	16
4	HnkyTonk	1	36	Fretless	5	68	Bari.Sax	—	100	Atmosphr	7
5	E.Piano1	6	37	SlapBas1	2	69	Oboe	—	101	Bright	2
6	E.Piano2	8	38	SlapBas2	1	70	Eng.Horn	—	102	Goblins	8
7	Harpsi.	3	39	SynBass1	9	71	Bassoon	—	103	Echoes	8
8	Clavi.	4	40	SynBass2	8	72	Clarinet	—	104	Sci-Fi	1
9	Celesta	—	41	Violin	1	73	Piccolo	—	105	Sitar	4
10	Glocken	—	42	Viola	—	74	Flute	—	106	Banjo	4
11	MusicBox	1	43	Cello	—	75	Recorder	—	107	Shamisen	—
12	Vibes	2	44	Contrabs	—	76	PanFlute	—	108	Koto	2
13	Marimba	4	45	Trem.Str	2	77	Bottle	—	109	Kalimba	—
14	Xylophon	—	46	Pizz.Str	—	78	Shakhchi	—	110	Bagpipe	—
15	TubulBel	1	47	Harp	1	79	Whistle	—	111	Fiddle	—
16	Dulcimer	3	48	Timpani	—	80	Ocarina	—	112	Shanai	3
17	DrawOrgn	12	49	Strings1	8	81	SquareLd	7	113	TnklBell	6
18	PercOrgn	4	50	Strings2	6	82	Saw.Lead	11	114	Agogo	—
19	RockOrgn	3	51	Syn.Str1	3	83	CaliopLd	1	115	SteelDrm	2
20	ChrchOrg	5	52	Syn.Str2	—	84	Chiff Ld	1	116	WoodBlok	—
21	ReedOrgn	1	53	ChoirAah	4	85	CharanLd	2	117	TaikoDrm	1
22	Acordion	1	54	VoiceOoh	—	86	Voice Ld	2	118	MelodTom	—
23	Harmnica	1	55	SynVoice	3	87	Fifth Ld	1	119	Syn.Drum	2
24	TangoAcd	1	56	Orch.Hit	2	88	Bass &Ld	3	120	RevCymbl	—
25	NylonGtr	4	57	Trumpet	3	89	NewAgePd	1	121	FretNoiz	—
26	SteelGtr	5	58	Trombone	1	90	Warm Pad	5	122	BrthNoiz	—
27	Jazz Gtr	2	59	Tuba	1	91	PolySyPd	4	123	Seashore	—
28	CleanGtr	1	60	Mute.Trp	—	92	ChoirPad	3	124	Tweet	—
29	Mute.Gtr	1	61	Fr.Horn	3	93	BowedPad	2	125	Telphone	—
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	—

SFX Voices

CuttngNz	Telphon2
CttngNz2	CarEngin
Str Slap	Car Stop
Fl.KClik	Car Pass
Rain	CarCrash
Thunder	Siren
Wind	Train
Stream	Jetplane
Bubble	Starship
Feed	Burst
Dog	Coaster
Horse	SbMarine
Bird 2	Laughing
Ghost	Scream
Maou	Punch
Tel.Dial	Heart
DoorSqek	FootStep
Door Slam	MchinGun
Scratch	LaserGun
Scratch 2	Xplosion
WindChm	FireWork

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
1	CrystalLake	33	909 Kit	65	Glassy	97	DXorigin
2	Floyd	34	SubTformer	66	Purple	98	IceDX
3	CosmicRays	35	PowerSyn	67	PowerSyn	99	Suitcase
4	SoliPhase	36	Matrix	68	Steyrisch	100	Condenser
5	BigBellPad	37	Hit It	69	Acid Saw	101	Celesta EP
6	SpaceGlass	38	Tekk Brass	70	Dirty	102	Wah Clavi
7	Blue Water	39	P5Brass-AT	71	Chrystal	103	Vai
8	CS 01	40	Majesty	72	Bottlead	104	Steve
9	Punch Bass	41	Sir	73	MgSolo-AT	105	Grunge
10	Solid	42	40th Brass	74	Feed Lead	106	Feedback
11	Black	43	Brass Fall	75	Delylah	107	Dimenzion
12	Black2	44	Four	76	Mr. Duke	108	Velo Strat
13	Super Bass	45	Orch ff	77	Mega Hook	109	12Martin
14	Brut Bass	46	StabSectAT	78	Mega Hook	110	Legato
15	Sub Bass	47	House Hit1	79	Fluty	111	Arco
16	FormantBas	48	House Hit2	80	Sync It!	112	BackStrngs
17	Sine	49	Major Hit	81	Tekk Line	113	Quartet
18	Mogue	50	Tekk Hit	82	Reso Comp	114	Marcato
19	Kick Bass	51	Rez Set1	83	Power Comp	115	Wedding
20	Fng&Slap	52	Rez Set2	84	SeqQoir-MW	116	Afro Drum
21	MellowWood	53	Rez Set3	85	Noise Vox	117	Emperor
22	AutumnWnd	54	Das Boot	86	Tekk Chord	118	Kama Sutra
23	MotherErth	55	BeadsChoir	87	Pulse Stab	119	Bahama
24	Moonraker	56	Choir Wind	88	Acid Pulse	120	Foster
25	Mariana	57	Tape Spin	89	Saw Stab1	121	AnalgSplit
26	Jewel Box	58	Horror	90	Saw Stab2	122	Jazzy Club
27	SprinMorni	59	Harbour	91	Vel Choir	123	SectnSplit
28	FeatherVce	60	Factory	92	Cathedral	124	Wood Sect
29	Mont Blanc	61	Nightmare	93	Gregorian	125	Rock Set
30	Reso Drone	62	Harp Minor	94	Dance Pno1	126	Big Band
31	Coral	63	DanceOrgan	95	Jazzy Pno	127	Symphony
32	JungleRoad	64	Beat Org	96	Romantic	128	CandleLite

User Voices

No.	Voice Name	No.	Voice Name	No.	Voice Name	No.	Voice Name
1	Aurora	33	Tijuana	65	Tron Choir	97	StereoPizz
2	Tri Pad	34	Miles Away	66	HybriChoir	98	LoFi Str
3	Expander	35	Back Horns	67	Dance Pno2	99	ViennaWltz
4	DancePulse	36	Shining	68	CheapDance	100	DarkStrngs
5	Rezzy	37	Robo Chat	69	Hard	101	Grapelli
6	Pulse Wmod	38	Dance SE	70	Wire Piano	102	Hand Bell
7	Seq Saw1	39	S&H303	71	Rock	103	Jazz Vibes
8	Seq Saw2	40	Devil Bell	72	CP80Chorus	104	White Bell
9	Seq Pulse	41	Rez Set4	73	CP80 Heavy	105	Bluez-MW
10	Seq+Sin-MW	42	Compact	74	Jazzy CP70	106	Toots
11	Pulse25	43	PhaseOrgan	75	Wurlitzer	107	Alto
12	Amped	44	Door	76	PanWurlitz	108	Solo Oboe
13	Crawl	45	Principal	77	Digi Roads	109	PicoRecrdr
14	These Days	46	Theatr Org	78	PhaseRoads	110	Picco Solo
15	HvyWeather	47	Sixties	79	Panning EP	111	PercuFlute
16	Harmo Lead	48	DistHamOrg	80	Noisy Clav	112	Ravi
17	Opus	49	Click Jazz	81	70thClavnt	113	Shaku
18	Light&Body	50	Gospel	82	Cembalo	114	Rich Koto
19	Sprite	51	Tango	83	Woman	115	Bali
20	Sanctuary	52	Musette	84	Half Drive	116	Shami
21	Eerie	53	Jan	85	Cry-MW	117	Santur2
22	Slow Morph	54	Thick	86	FunkWah-MW	118	Zither
23	Heli Drone	55	Saw Horn	87	ChrusStrat	119	Hack Brett
24	Ambient-AT	56	Plucky	88	Classic	120	Scott Pipe
25	Sub Oscltr	57	Pure Sine	89	Sevilla	121	Xylopad
26	Obie Soft	58	Pure Tri	90	Hawai DoA	122	Strynx&Pno
27	Dance Saw	59	Scat Line	91	MarcStrngs	123	Fairy
28	Brother	60	Glass Cut	92	Ana Strngs	124	EP&Strings
29	Sforzando	61	Syn Clavi	93	Chamber	125	70th Crime
30	HrnSect ff	62	SeqQoirVel	94	SfzTremolo	126	Funk Split
31	Big Ens	63	Vocoder	95	Oct	127	Haendel
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	DscoSoul	027	Sw.Waltz	040	24BtShfl	053	6/8Gospl	066	Rkabilly	079	SlwBossa	092	C&W Shfl
002	Rave 2	015	Rap 1	028	FolkRock	041	Ethno	054	FastGosp	067	Swing	080	PopBossa	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	Foxtrot
009	GrndBeat	022	PopBld2	035	Seq.Pop	048	R&B Bld	061	RockBgy.	074	Fusion	087	Reggae2	100	V.Waltz
010	Acid 1	023	E.Ballad	036	PowerPop	049	BlusShfl	062	HR Shfl	075	Fsn.Shfl	088	Ska		
011	Acid 2	024	16BtBld	037	N.Y.	050	6/8Blues	063	Rck&Roll	076	Mambo	089	Calypso		
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		

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 × 8 Sections (800 Patterns)
100 User Phrases

Preset Phrases 3093

Preset Styles
100 Styles × 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 × 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 × D × H)
1067 × 371 × 121 mm (42" × 14-5/8" × 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.

For details please contact: