

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.

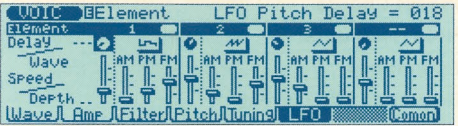
Studio Quality Stereo Multi-Effect Processing

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.

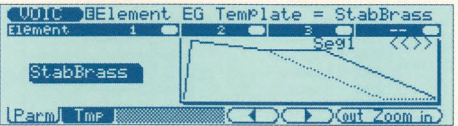
The processing flexibility of the effects extends to two routing methods for the Variation effects: System and Insertion. System applies the selected Variation effect to the Voices of all 16 tracks, while Insertion applies the effect to one specific track.

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.

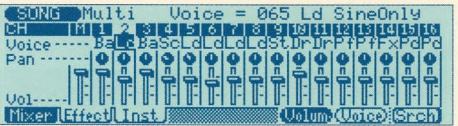


Synth soloists in particular will appreciate what the mono mode and portamento controls can do for their live sound. In addition to the powerful Preset Voices, there's internal memory space for saving up to 128 User Voices—not to mention

unlimited storage capacity with the floppy disk drive.

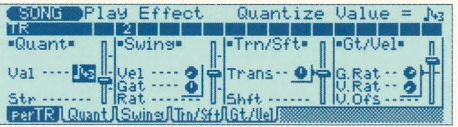
Putting Your Music Together—Song Recording and Playback in the Sequencer Section

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.



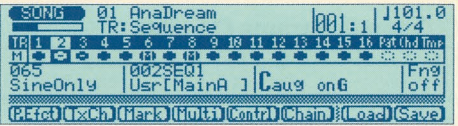
And if you need to change something you've recorded, there's a wealth of comprehensive and flexible editing controls that let you individually modify the timing, pitch (note), gate time (length) and velocity (loudness) of each recorded note. They also allow you to change the data values of other recorded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

Table with 12 columns: 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, No., Bank 0, Variations in Bank 1-101. Rows include various voice names like GrandPno, BritePno, E.Grand, HnkyTonk, etc.

XG Drum Programs (11 kits)

Table with 2 columns: Kit Name, Variations. Rows include 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

Table with 12 columns: No., Voice Name, No., Voice Name, No., Voice Name, No., Voice Name, No., Voice Name, No., Voice Name, No., Voice Name. Rows include CrystalLake, Floyd, CosmicRays, SoliPhase, BigBellPad, etc.

Preset Styles

Table with 16 columns: No., Style Name, No., Style Name, No., Style Name, No., Style Name, No., Style Name, No., Style Name, No., Style Name, No., Style Name. Rows include Rave 1, Rave 2, Eurobeat, Techno, House, DancePop, Casa, DnceShfl, GrndBeat, Acid 1, Acid 2, DscFunk1, DscFunk2, etc.

For details please contact:

Specifications

Table with 2 columns: Feature, Value. Rows include Tone Generator, Type, Maximum Polyphony, Multi-timbral Capacity, Voices, Sequencer, Tracks, Data Capacity, Preset Phrases, Preset Styles, Record Modes, Preset Chords, Note Resolution, Edit modes, Sequence File Format, General, Keyboard, Display, External Memory, Connectors, Power Requirements, Dimensions, Weight, Included Accessories.

Specifications and appearance subject to change without notice.

