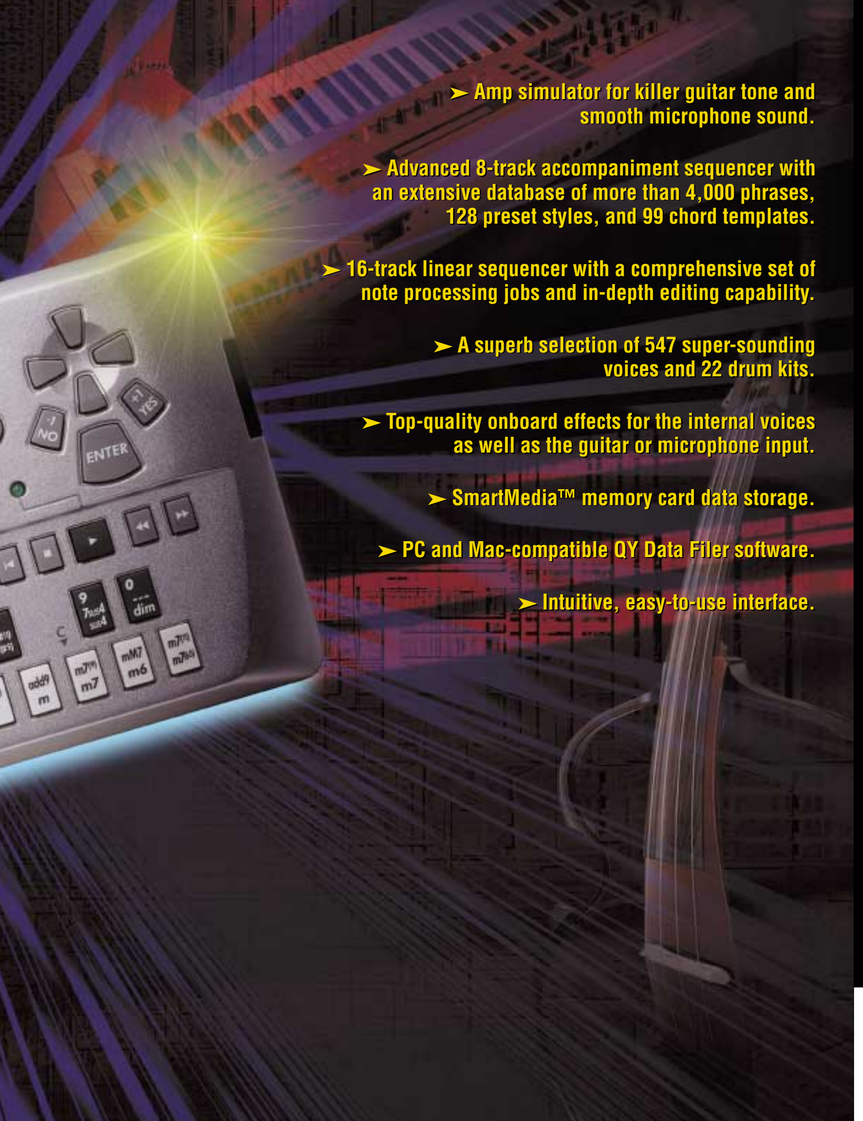


➤ Amp simulator for killer guitar tone and smooth microphone sound.

➤ Advanced 8-track accompaniment sequencer with an extensive database of more than 4,000 phrases, 128 preset styles, and 99 chord templates.

➤ 16-track linear sequencer with a comprehensive set of note processing jobs and in-depth editing capability.

➤ A superb selection of 547 super-sounding voices and 22 drum kits.

➤ Top-quality onboard effects for the internal voices as well as the guitar or microphone input.

➤ SmartMedia™ memory card data storage.

➤ PC and Mac-compatible QY Data Filer software.

➤ Intuitive, easy-to-use interface.

QY100 Rear Panel



QY100 Side Panels



QY100 Preset Style List

001: Hardcore Mixture / 002:80's Mixture Rock / 003:Hard Core Punk /004:Melodious Core / 005:Ska Core / 006:Rock Boogie / 007:Grunge Rock / 008:Mondo Rock / 009:80's Irish Rock / 010:British Rock / 011:80's Rock Shuffle / 012:College Rock / 013:Glam Rock / 014:70's Rock / 015:70's 8-beat Folk Rock / 016:70's Art Rock / 017:70's Punk Rock / 018:Pub Rock / 019:Funk Rock / 020:Latin Rock / 021:60's Hard Rock / 022:70's Hard Rock1 / 023:70's Hard Rock2 / 024:70's Hard Rock & Roll / 025:16-beat Hard Rock / 026:American Hard Rock1 / 027:American Hard Rock2 / 028:90's Progressive Hard / 029:Speed Metal / 030:Power Metal / 031:Thrash Metal / 032:Doom Metal / 033:Metal Boogie / 034:Hip Hop1 / 035:Hip Hop2 / 036:Pop Hip Hop / 037:Gangsta / 038:Rap / 039:Jazz Hip Hop / 040:Dance Swing / 041:House / 042:Garage House / 043:90's R&B Swing / 044:90's R&B Slow Jam / 045:90's Pop R&B / 046:90's R&B Smooth / 047:Pop Techno / 048:Euro Techno / 049:Eurobeat / 050:Electro Rock / 051:Bigbeat / 052:Digital Rock1 / 053:Digital Rock2 / 054:Industrial Rock / 055:Psychedelic Rock / 056:Light Pop / 057:A.O.R. Pop / 058:Latin Pop / 059:80's British Pop / 060:16-beat Pop / 061:24-beat Pop / 062:80's / Technical Fusion / 063:Detroit Pop Shuffle / 064:Med-tempo 8-beat Rock Pop / 065:Acoustic Pop / 066:R&B / 067:6/8 R&B / 068:Soul Shuffle / 069:Motown / 070:Slow Blues / 071:R&B Waltz / 072:Rock R&B / 073:Rockn' Roll / 074:Train Time / 075:Rockabilly / 076:Oldies /077:Liverpool Pop / 078:Surf Rock / 079:Disco Funk / 080:70's Disco / 081:FP Funk / 082:JB Funk / 083:Jazz Funk / 084:Combo Jazz / 085:Big Band Jazz / 086:Jazz Ballad / 087:Jazz Waltz / 088:Fast Bebop / 089:Cool Jazz / 090:Afro Jazz / 091:Organ Ballad / 092:Piano Ballad / 093:Arpeggio Ballad / 094:Latin Ballad / 095:6/8 Modern Ballad / 096:Hard Rock Ballad / 097:6/8 Hard Rock Ballad / 098:Country Rock / 099:Country Pop / 100:16-beat Country Rock / 101:Country Ballad / 102:Country Waltz / 103:Bluegrass / 104:Samba / 105:Mambo / 106:Rhumba / 107:Merengue / 108:Cha Cha / 109:Salsa / 110:Bossa Nova / 111:Beguin / 112:Tango / 113:Reggae / 114:Swing Reggae / 115:Dance Hall Reggae / 116:Lovers / Rock / 117:Ska / 118:Hawaian / 119:Soca / 120:Klezmer / 121:Enka / 122:Polka / 123:Dixieland / 124:Foxtrot / 125:Vienna Waltz / 126:Slow Waltz / 127:March / 128:6/8 March

QY100 Specifications

Sequencer block	
Data capacity	approximately 32,000 notes
Note resolution	480 clocks per quarter note
Polyphony	64 notes
Tempo	25-300
Modes	SONG mode (SONG, SONG VOICE, SONG EFFECT) PATTERN mode (PATTERN, PATTERN VOICE, PATTERN EFFECT)
Record modes	Realtime replace, Realtime overdub, Step, Multi
Tracks	Song: 16 sequencer tracks, pattern track(Pt), chord track(Cd), tempo track(Tm) Pattern: 8 pattern phrase tracks
Songs	20 songs + 3 demo songs
Patterns	768 preset patterns (128 preset styles × 6 sections) 384 user patterns (64 user styles × 6 sections) Sections: Intro, Main A, Main B, Fill AB, Fill BA, Ending
Phrases	4,285 preset phrases 48 user phrases per user style
Chord types	26 types (including "non-ABC" type)
Chord templates	99 preset chord templates 1 user chord progression per song
Play effect	Swing, Drum table remapping
Foot switch functions	Start/Stop, Section change
Tone generator block	
Type	AWM2 tone generator
Maximum Polyphony	32 notes
Multi-timbral capability	24 timbres (last note priority with element reserve, DVA)
Preset voices	547 normal voices, 22 drum voices
Effects	3 blocks (Reverb, Chorus, Variation) Reverb: 11 types Chorus: 11 types Variation 43: types
Amp Simulator	
Setups	23 setups (18 Guitar Setups and 5 Microphone Setups)
Blocks	Preamp Block (for Guitar) or Delay Block (for microphone) Chorus Block Reverb Block
Foot switch functions	Block On/Off

Memory Card	
Save	All/SONG/STYLE/SMF(Format 0)/SMF+XG(Format0)
Load	ALL/SONG/STYLE/SMF(Format 0)/SMF+XG(Format 0)
Controllers & display	
Micro keyboard	25 keys (2 octaves)
Octave buttons	[OCT DOWN], [OCT UP]
Cursor buttons	up, down, left, right
Sequencer buttons	[▶], [■], [●], [◀], [◀◀], [▶▶] [AMP SIMULATOR], [PARAMETER], [SONG], [PATTERN], [SHIFT], [EXIT], [CARD], [MENU], [–1(NO)], [+1(YES)], [ENTER], Function buttons
Volume control	
Contrast control	
Gain control	
HOST SELECT switch	
Display	128 × 64 dots graphic LCD
Connectors	
LINE OUT/PHONES	stereo mini jack × 1
GUITAR/MIC INPUT	standard monaural jack × 1
MIDI	IN x1, OUT × 1
TO HOST	
FOOT SW	standard jack × 1
CARD slot	3.3 V SmartMedia memory cards
DC IN	for PA-3B
Power supply	Optional PA-3B or equivalent AC adaptor
	Six 1.5v AA size (LR6) or equivalent alkaline batteries
Dimensions (W × D × H)	238 × 118 × 48 mm (9-3/8" × 4-5/8" × 1-7/8")
Weight	750g (1 lbs., 10 oz) without batteries
Included items	
	QY100 Data Filer for Win95™/98™/NT™/2000™/Me™, Mac™ (Mac™ OS 7.5 or later) CD-ROM × 1
Audio cable	Miniature stereo phone plug to dual RCA pin plugs
Owner's manual set	QY100 owner's manual, Data List, QY100 Data Filer Installation Guide
Rubber feet	

** Specifications and descriptions in this owner's manual are for information purposes only. Yamaha Corp. reserves the right to change or modify products or specifications at any time without prior notice. Since specifications, equipment or options may not be the same in every locale, please check with your Yamaha dealer.*
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For details please contact:

YAMAHA
YAMAHA CORPORATION
P.O.Box 1, Hamamatsu, Japan
www.yamahasynth.com

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QY100

MUSIC SEQUENCER



YAMAHA

The Complete, Portable Accompaniment & Music Production Tool

If you're a guitarist, singer, or other instrumentalist who wants an easy way to create great-sounding accompaniment for practice or performance, the QY100 is for you! If you're an artist who needs a versatile song-writing tool for sequencing and music production, the QY100 is perfect for you, too! The QY100 is compact and battery-powered so you can even pop it into your bag or backpack and create and play anywhere, anytime!



Actual size

The Amp Simulator — Inspiring Sound for Guitarists and Singers

Let's face it, great sound is what inspires performance and motivates you to practice. The QY100's built in Amp Simulator bring you the characteristics of a range of amplifiers — specifically guitar amplifiers and microphone preamplifiers — so you have total control over your own sound as well as your backing accompaniment. In addition to great amp sounds, the QY100 Amp Simulator includes a range of top-quality effects for use with guitar and microphone. The guitar setups, for example, feature overdrive/distortion, modulation (chorus, flange, etc.) and reverb. The microphone setups offer digital delays, modulation and reverb. The QY100 has 18 guitar setups and 5 microphone setups that you can customize to create the perfect sound for your music.



The Preset Guitar Setups

G01:	MultiDrive	A heavy driving sound that's ideal for power chords and soaring solos.
G02:	LightCrunch	A subtler "crunch" tone reminiscent of a slightly overdriven tube amplifier.
G03:	StudioLead	Heavy overdrive with a touch of chorus.
G04:	CleanLead	Clean, smooth, and spacious. Great for clean solo lines, and a good choice for comping, too.
G05:	HardBlues	Solid, raw distortion that can make those blues licks sing.
G06:	JetFlange	A pronounced flange effect that shimmers and shifts for lively backing and solos.
G07:	PopRhythm	A clean, well-defined sound with a slightly compressed feel.
G08:	HeavyRock	The name says it all - heavy and rockin'.
G09:	StackLead	A simulation of the awesome tone of a full stack.
G10:	FunkyCut	A slick, slinky sound for funky chord work.
G11:	TradBlues	Back to basics - tried-and-true tone for heartfelt blues pickin'.
G12:	StageLead	Big. Really big.
G13:	AirDrive	Light and airy - for those delicate musical moments.
G14:	CityLead	An "urban" tone that will be appreciated by fusion fans. But try it in any style.
G15:	PopChorus	Subtle but sincere. A clean tone that will blend well with most popular styles.
G16:	FuzzyMod	In-yer-face fuzz and modulation.
G17:	JazzyNight	Mellow, sophisticated - perfect for lamplight and cocktails.
G18:	Ghost	Every note invokes a ghostly glitter (?!).

The Preset Microphone Setups

M01:	PopVocal	Slap echo and a subtle touch of modulation.
M02:	RockVocal	A short delay and tight ambience.
M03:	DelayVocal	Multiple long delays for a super-spacious feel.
M04:	RoomVocal	Fairly straightforward room ambience.
M05:	Rap	Tight early reflections so the emphasis stays on the vocal rhythm.

Accompaniment Created in an Instant, or Finely Crafted for Your Music

The QY100 accompaniment tracks and functions make it simple to put complete songs together in a matter of minutes. The result is that you spend less time programming and more time creating and playing. Rather than recording individual notes or chords as on the linear "sequencer" tracks described below, accompaniments are produced by specifying a sequence of "patterns" to be played within a specified "style", and an appropriate chord progression.

Preset Styles & Patterns

The QY100 includes 128 preset accompaniment styles covering everything from hard-core through hip-hop to waltzes (check out the style list, below), each with 6 variation "patterns" (intro, A section, B section, A-to-B fill, B-to-A fill, and ending).

Create Your Own Styles and Patterns

The QY100 provides an extensive database of more than 4,000 phrases (drum phrases, bass phrases, keyboard phrases, etc.) that you can combine in the 8-track pattern sequencer to create original style patterns. If you really want to be original you can even record your own phrases from scratch. The QY100 has memory for up to 64 complete original styles — each with a complete set of 6 patterns.



Chord Templates

Of course, you can't have songs without chord changes. Once again, the QY100 makes life easy with 99 preset chord progressions that you can simply select and play. These "chord templates" include a wide range of standard progressions — some you might recognize from your favorite songs — commonly used in a wide range of musical genres, plus some innovative variations.

Recording Original Changes Is Easy, Too

Chord changes are recorded simply by entering the names of the chords at the appropriate times (you can do this via the micro-keyboard simply by pressing the appropriate key). You can specify the bass notes for the chords, as well as syncopated chord timing for maximum versatility in creating accompaniments for any type of music. The entire accompaniment is automatically re-harmonized to match the chords you specify.





16-Track Linear Sequencer for Embellishment or Full-blown Music Production

When you want to create songs linearly, it's time to take advantage of the extraordinary potential of the QY100's 16-track sequencer. You can individually assign any of the QY100's 547 normal voices or 22 drum kits to the sequencer tracks and record anything you like via the built-in micro-keyboard or an external MIDI keyboard — or any other type of MIDI controller connected to the MIDI IN connector. Whether you use all 16 tracks to create rich musical textures, or just a few tracks for simple arrangements or to add a few details to accompaniment tracks created using the QY100's accompaniment features, the sequencer offers the creative control and expressive power you need to get your musical message across.



A Choice of Modes for Maximum Recording Versatility

The sequencer tracks can be recorded in real time using the "replace" or "overdub" recording mode. In the "replace" mode anything you record will replace (overwrite) any material that was previously on the same section of the track being recorded. The "overdub" mode, on the other hand, lets you add new material to a previously-recorded track without erasing the previous data. This lets you build up a track bit by bit without having to play the entire part all at once. Another option is the "step" record mode in which you can enter notes one at a time to create extremely fast or complex passages that would be difficult to record in real time. The "step" mode is also useful for adding finishing touches to tracks recorded in real time. Finally, there's a "multi" record mode in which all 16 sequencer tracks can be recorded simultaneously — a great feature for transferring MIDI data to the QY100 from another sequencer.



Comprehensive "Jobs" and In-depth Editing

We're not kidding when we say that the QY100 sequencer offers total creative control. All of the features you'd expect in a full-blown sequencer are there … plus a few extras. The "jobs" available for processing sequencer tracks include everything from must-haves such as quantization, to innovative functions like automatic crescendos and chord sorting. And if you need to work on individual notes or events, the edit mode makes every detail available for precise adjustment.



A Superior Selection of Voices and Drum Kits with Editing Capability

The QY100's built-in tone generator is a high-performance sound module in its own right, with an expanded wave memory that has made it possible to dramatically improve the quality of all voices, and the drums in particular. It offers a range of 547 voices in a complete range of instrument categories (sound effects included), as well as 22 drum and percussion kits. The tone generator section is fully GM and XG compatible so you can actually use it as an independent sound module driven from an external sequencer or computer-based MIDI music system. There's even a range of editing controls for the voices and drum kits so you can customize the sounds to ideally complement your music.



Onboard Effects

Yamaha is famous for the quality of its reverb and other effects, and the QY100 is no exception. The built-in effect system provides top-quality reverb, chorus, and variation effects (including modulation and distortion) that you can use to refine and polish your sound. Each sequencer track has individual send controls for the reverb, chorus, and variation effect stages, so you can apply effects separately to each track as required.



SmartMedia™ Storage



Settings, sequences, and patterns can be saved to and loaded from standard memory cards for convenient, high-volume storage and portability. Memory cards are a great way to back up important data so it can't be accidentally erased or lost.

QY Data Filer Software Included



If you have a personal computer — PC or Macintosh — you can use the supplied QY DATA FILER software to transfer QY100 data to and from your computer for convenient management and storage.

Battery or AC Power

Inspiration can strike anywhere, and at any time. The QY100 will always be ready: use an AC adapter indoors, or create with battery power outdoors or on the road. 6 AA alkaline batteries will keep the QY100 running for about 3 hours of continuous use.

* Memory card access may not be possible when the batteries begin to run low.