

# YAMAHA

# QY70

## MUSIC SEQUENCER



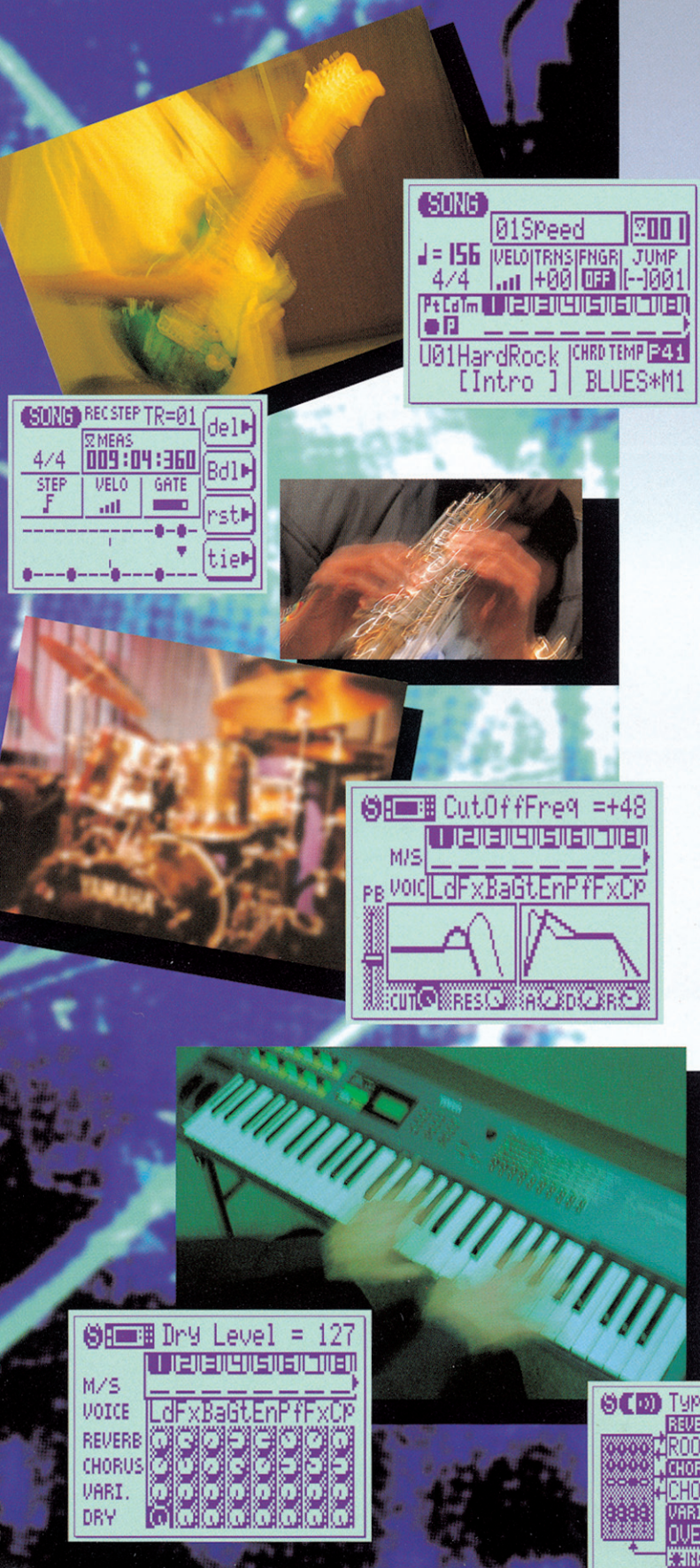
# Put the Power and Performance of a Full-Featured Music Sequencer in the Palm of Your Hand, and Take it Anywhere

The Yamaha QY70 Music Sequencer brings big sound and performance together in one small package that fits in the palm of your hand. Far from being just a simple combination MIDI tone generator/sequencer, the QY70 is an extremely powerful small-size version of Yamaha's top-of-the-line XG music powerhouse, the QY700.

A completely self-contained XG music workstation with full GM compatibility, the QY70 boasts high-quality instrument and drum kit voices, full voice editing functions, quick-sketch composing capabilities, a huge database of musical phrases and Styles, three digital multi-effects processors, and many more uncompromising features which give the QY70 the power to hold its own in the most demanding of musical situations.

Destined to set new standards for music production portability, flexibility and ease of use, professional musicians and composers—as well as serious students and music hobbyists—may find it the only all-around MIDI music making tool they'll ever need.

Specially designed to make high-quality music creation, production and performance accompaniment a breeze virtually anywhere, the QY70 is right at home in project and professional recording studios as well as on stage. It's also an ideal backup band and practice partner that need never leave your side.



**SONG** 01Speed 001

♩ = 156 VELO|TRANS|FNGR| JUMP  
4/4 .||| +00 OFF [-1001

PtCalm 1 2 3 4 5 6 7 8 9 10 11 12

U01HardRock | CHRD TEMP F41  
[Intro] | BLUES\*M1

**SONG** REC STEP TR=01

MEAS 009:04:360

4/4

STEP VELO GATE

F .|||

del ▶  
Bd1 ▶  
rst ▶  
tie ▶

☉ CutOffFreq =+48

M/S

PB VOIC LdFxBaGtEnPffxCP

WAVEFORMS

CUT RES QRA QD QRR

☉ Dry Level = 127

M/S

VOICE LdFxBaGtEnPffxCP

REVERB

CHORUS

VARI.

DRY

☉ Type=OVERDRIVE

REVERB ROOM 2

CHORUS CHORUS 2 TO REV

VARIATION OVERDRIVE

INSERION SYSTEM

**SONG** 010:32 Swing

M/S

FX THRU

GROOVE 10101010101010

TEMPLT

TIMING

VELOC

# All-featured XG Format MIDI Workstation Anywhere Your Music Leads.

## Graphic and Intuitive User Interface

The layout of the QY70 has been specifically designed for fast and intuitive operation. With both dedicated and multi-function control buttons, clear indicators and cursor keys, you'll find it quick and easy to navigate your way around the QY70's many graphical screens, displayed on a large 128 x 64 dot LCD.

Rear and side panels feature master volume and LCD contrast controls, MIDI IN/OUT terminals, and a stereo mini-jack for connecting headphones or an externally amplified monitor system. The TO HOST connector and HOST SELECT switch allow the convenience of direct connection to a computer without the need for a separate interface.

## Built-in Music Database and Phrase-based Composing

The QY70 has a powerful 20-song (approx. 32,000 notes), high-resolution (480-clocks per quarter note) sequencer with 8 tracks for phrase-based Style construction and 16 linear tracks designed to let you sketch out a song quickly and easily. Full editing features, including extensive song, measure, track and event editing functions, let you edit your arrangement to your heart's content until it's just the way you want it.

A built-in music database of 4167 preset phrases include professionally programmed musical performances. These include drum and percussion loops, bass lines, guitar, keyboard and a whole range of other instrument riffs and chords, representing virtually every type of music.

Each Style includes special matching Sections, or various Intro, Fill-in and Ending variations which can be easily added to create a variety of smooth and natural transitions throughout the song. There are 128 preset Styles (each with 6 Sections) ready for use at any time, as well as 64 user Styles (each with 6 user-programmed Sections) that you can create yourself.

The advanced ABC (Auto Bass Chord) accompaniment system automatically reharmonizes the patterns according to the chord type you choose. Moreover, "Preset Chord Templates" are available to let you apply standard chord progressions from a range of musical genres, including Pops, Ballard, Blues, and more.

Versatile to the core, the QY70 permits Real Time, Step and Multi (multiple track) recording, plus nondestructive "Groove Templates" which let you apply a more human feel to the playback through prepro-

grammed timing parameters. These include special quantize, clock shift, swing and velocity values, to completely change the groove, but without altering the original data.

## XG Voices and Multi-effects

As an XG format MIDI device, the QY70 features powerful expanded voice and multi-effects capabilities. There are 519 voices and 20 drum kits available to provide you with virtually every type of musical instrument voice you could ever want, all generated by Yamaha's high-quality AWM2 tone generation process. You can edit various characteristics of the voices—such as cutoff frequency (brightness), resonance (harmonic content), attack time and more—using the panel controls, to create your own customized sound.

The three digital multi-effects processors let you polish your mix with reverb, delay, chorus and many other effects. In all, there are 11 Reverb, 11 Chorus, and 43 "Variation" type effects which include various reverb, delay, modulation, distortion, EQ and other effects, all of which can be edited to suit your song.

## Data Filer Utility Software for PC/ Mac

QY Data Filer software is available to let you save QY70 data to a computer for storage on a floppy disk, as well as transmit saved data from a computer back to the QY70.

It also provides maximum data compatibility by letting you load SMF data files from a computer to the QY70 for playback and editing, or transmit song files created on the QY70 to a computer as SMF song files. In addition, the software lets you use a computer to clear data files in the QY70.



## REAR PANEL



## Specifications

### Sequencer block

<b>Data capacity</b>	approximately 32,000 notes
<b>Note resolution</b>	480 clocks per quarter note
<b>Polyphony</b>	64 notes
<b>Tempo</b>	25-300
<b>Modes</b>	SONG mode (SONG, SONG VOICE, SONG EFFECT) PATTERN mode (PATTERN, PATTERN VOICE, PATTERN EFFECT)
<b>Record modes</b>	Realtime replace, Realtime overdub, Step, Multi
<b>Tracks</b>	Song: 16 sequencer tracks, pattern track(Pt), chord track(Cd), tempo track(Tm) Pattern: 8 pattern phrase tracks
<b>Songs</b>	20 songs
<b>Patterns</b>	768 preset patterns (128 preset styles x 6 sections) 384 user patterns (64 user styles x 6 sections) Sections: Intro, Main A, Main B, Fill AB, Fill BA, Ending
<b>Phrases</b>	4,167 preset phrases 48 user phrases per user style
<b>Chord types</b>	26 types
<b>Chord templates</b>	99 preset chord templates 1 user chord progression per song
<b>Play effect</b>	Groove quantization, Drum table remapping

### Tone generator block

<b>Type</b>	AWM2
<b>Maximum Polyphony</b>	32 notes
<b>Multi-timbral capability</b>	24 timbres (last note priority with element reserve, DVA)
<b>Preset voices</b>	519 normal voices, 20 drum kit voices
<b>Effects</b>	3 blocks (Reverb, Chorus, Variation) Reverb: 11 types Chorus: 11 types Variation: 43 types

### Controllers & display

[SONG], [PATT], [SHIFT], [EXIT], [MENU], [-1(NO)], [+1(YES)], [ENTER]	
<b>Micro keyboard</b>	25 keys (2 octaves)
<b>Octave keys</b>	[OCT DOWN], [OCT UP]
<b>Cursor keys</b>	up, down, left, right
<b>Sequencer keys</b>	[▶], [■], [●], [◀], [◀◀], [▶▶]
<b>Function keys</b>	
<b>Volume control</b>	
<b>Contrast control</b>	
<b>HOST SELECT switch</b>	
<b>Display</b>	128 x 64 dots graphic LCD

### Connectors

<b>LINE OUT/PHONES</b>	stereo mini jack x 1
<b>MIDI</b>	IN x1, OUT x1
<b>TO HOST</b>	
<b>DC IN</b>	

### Power supply

Optional PA-3B or equivalent AC adaptor, or six 1.5V AA size (SUM-3 or R6P) alkaline batteries

### Dimensions

<b>(W x D x H)</b>	188 x 104 x 43 mm (7-3/8" x 4-1/8" x 1-11/16")
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### Weight

520g (1 lbs., 2 oz) without batteries

### Included items

<b>QY Data Filer</b>	2HD floppy disk x 2
<b>Audio cable</b>	miniature stereo phone plug to dual RCA pin plugs

Specifications are subject to change without notice.

For details please contact: